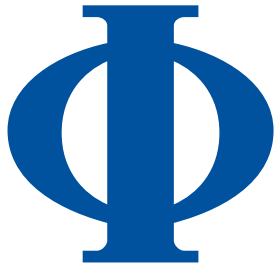
Deutsche Physikalische Gesellschaft DPG

80. Jahrestagung
(Annual Conference)
and
DPG-Frühjahrstagung 2016
(Spring Meeting)
of the
Condensed Matter Section (SKM)
together with
further Divisions and Working Groups

Short Programme

University of Regensburg
March 6 – 11, 2016



Impressum:

Deutsche Physikalische Gesellschaft e. V.
Hauptstraße 5
53604 Bad Honnef
Tel.: 02224 / 9232-0
Fax: 02224 / 9232-50
dpg@dpg-physik.de
www.dpg-physik.de
Gerichtsstand: Königswinter

Eingetragen in das Vereinsregister (VR 90474) des Amtsgerichtes Siegburg. Die DPG fördert wissenschaftliche Zwecke. Sie ist nach § 5 Abs. 1 Nr. 9 KStG von der Körperschaftsteuer befreit, weil sie ausschließlich und unmittelbar steuerbegünstigten gemeinnützigen Zwecken i. S. der §§ 51 ff. AO dient.

Verantwortlich für den Inhalt:
Dr. Bernhard Nunner (Hauptgeschäftsführer)

PFEIFFER VACUUM

HIPACE® M

Magnetically levitated turbopumps

- Advanced rotor design – highest compression ratio for light gases
- Patented, pulsed venting – safe operation and long life time
- Innovative bearing system – extremely low vibrations and low dynamic magnetic stray field

Are you looking for a perfect vacuum solution?
Please contact us:
Pfeiffer Vacuum GmbH · Berliner Strasse 43 · 35614 Asslar
T +49 6441 802 0 · F +49 6441 802 1202
info@pfeiffer-vacuum.de · www.pfeiffer-vacuum.com

Table of Content

CRYOFREE TOOLS

Glimpse tomorrow's technology...

Research tools for quantum technology and physical science

Don't miss out on the newest Triton developments!

See us at
DPG 2016
Booth No 67

nanoscience@oxinst.com
www.oxford-instruments.com/nanoscience

OXFORD INSTRUMENTS
The Business of Science®

Greeting

It is a great pleasure for me to welcome all participants at the Universität Regensburg to the 80th Annual Conference of DPG and "DPG-Frühjahrstagung" (Spring Meeting) of the Condensed Matter Section (SKM) with the divisions and working groups. DPG Spring Meetings with their outstanding scientific programme have been very successful for many years and are visited by thousands of physicists – from students to Nobel Laureates. In 2015, more than 10,000 persons took part in the overall four DPG Spring Meetings, and the number of participants continues to grow. In addition, an exhibition of industrial equipment and literature will take place in Regensburg with more than 120 national and international exhibitors.

A highlight of the Annual Conference will be the DPG Prize Ceremony with the awarding of the two gold medals of DPG, the Max-Planck-Medal and Stern-Gerlach-Medal, and the Medal for Natural Science Publishing. The keynote lecture will be held by Daan Frenkel, University of Cambridge. Another highlight is the new DPG Technology Transfer Forum (TT-Forum) that will be introduced at this conference with the awarding of the new DPG Prize for Technology Transfer. The DPG Spring Meeting in Regensburg will send a signal from DPG to decision makers in our scientific institutes, in politics and industry that science, scientific dialogue combined with knowledge and technology transfer are our way to make a strong contribution to our society. We also want to stress that the fostering of physics at school and of young scientists is of central importance. The future of Germany and Europe depends on high tech talents. This conference makes an important contribution to this point: By far the most scientific contributions are submitted by young researchers who report on results of their doctoral or master's theses. SKM also honours young scientists with a prize for the best dissertation.

The promotion of physics and natural sciences is a societal challenge. It is gaining even more importance through the arrival of many young migrants in Germany. As a first step to integration, the DPG has launched

in December 2015 a project for refugees “Physics for all” in collaboration with the University of Göttingen and the Federal Ministry of Education and Research (BMBF). With this project, the DPG provides children and young people in 20 refugee facilities (so called “Landeserstaufnahmeeinrichtungen”) in Germany instructive and exciting entertainment with small physics experiments. In order to perform such experiments there is no need for a special language, religion or a particular place – natural laws are the same all over the world. More than 1,000 volunteers nation-wide already support DPG in this project. The programme will be continued in 2016 in a similar form. We would be pleased, if you supported the DPG with a donation for “Physics for all”.

A conference like in Regensburg is only feasible thanks to the great effort of everyone involved. Firstly I would like to thank the Universität Regensburg for being our host and for its assistance as well as the Wilhelm and Else Heraeus Foundation once again for their generous financial support for all DPG Spring Meetings. Many thanks also to the speakers of the Condensed Matter Section and the Divisions and Workings Groups involved for their successful work. My very special thanks go to the local conference organiser, Professor Dieter Weiss, Institut für experimentelle und angewandte Physik, and his team, for organising this conference. Furthermore, I am particularly grateful to the DPG Head Office for the support it provides for all DPG Spring Meetings.

Prof. Dr. Edward G. Krubasik

President of the
Deutsche Physikalische Gesellschaft

Organisation

Organiser
Deutsche Physikalische Gesellschaft e. V.
Hauptstraße 5, 53604 Bad Honnef
Phone +49 (0) 2224 9232-0
Fax +49 (0) 2224 9232-50
Email dpg@dpg-physik.de
Website www.dpg-physik.de

Local Organiser
Prof. Dr. Dieter Weiss
Universität Regensburg
Universitätsstr. 31, 93040 Regensburg
Phone +49 (0) 941 943-3197
Email dieter.weiss@physik.uni-regensburg.de

Local Secretary
Cordula Böll M.A.
Universität Regensburg
Universitätsstr. 31, 93040 Regensburg
Phone +49 (0) 941 943-2924
Email DPG-Tagung2016@uni-regensburg.de

Scientific Organisation

Chair of the Condensed Matter Section (SKM)
Prof. Dr. Martin Aeschlimann
Fachbereich Physik
Universität Kaiserslautern
Erwin-Schrödinger-Straße 46, 67663 Kaiserslautern
Phone +49 (0)631 2052322
Email ma@physik.uni-kl.de

Chairs of the Participating Divisions
(BP) Biological Physics
– Prof. Dr. Helmut Grubmüller
(hgrubmu@gwdg.de)
(CPP) Chemical and Polymer Physics
– Prof. Dr. Dieter Neher
(neher@uni-potsdam.de)

(DF) Dielectric Solids
– PD Dr. Elisabeth Soergel
(soergel@uni-bonn.de)

(DS) Thin Films
– Prof. Dr. Norbert Esser
(norbert.esser@isas.de)

(DY) Dynamics and Statistical Physics
– Prof. Dr. Walter Zimmermann
(walter.zimmermann@uni-bayreuth.de)

(HL) Semiconductor Physics
– Prof. Dr. Christoph Lienau
(christoph.lienau@uni-oldenburg.de)

(KR) Crystallography
– Dr. Leonore Wiehl
(wiehl@materials.tu-darmstadt.de)

(MA) Magnetism
– Prof. Dr. Michael Farle
(fv-magnetismus-farle@uni-due.de)

(MM) Metal and Material Physics
– Prof. Dr. Mathias Göken
(mathias.goeken@ww.uni-erlangen.de)

(MI) Microprobes
– Dr. Enrico Langer
(langer@physik.tu-dresden.de)

(O) Surface Science
– Prof. Dr. Martin Wolf
(wolf@fhi-berlin.mpg.de)

(SOE) Physics of Socio-economic Systems
– Priv.-Doz. Dr. Jens C. Claussen
(j.claussen@jacobs-university.de)

(TT) Low Temperature Physics
– Prof. Dr. Reinhold Kleiner
(reinhold.kleiner@uni-tuebingen.de)

(UP) Environmental Physics
– Prof. Dr. Justus Notholt
(jnotholt@iup.physik.uni-bremen.de)

(VA) Vacuum Science and Technology
– Dipl.-Ing. Thomas Giegerich
(thomas.giegerich@kit.edu)

Chairs of the Participating Working Groups

(AGA) Physics and Disarmament
– Prof. Dr. Götz Neuneck
(neuneck@ifsh.de)

(AGI) Information
– Dr. Uwe Kahlert
(uwe@physik.rwth-aachen.de)

(AGjDPG) Young DPG
– Georg Winner
(winner@jdpg.de)

(AKC) Equal Opportunities
– Dipl.-Phys. Susanne Kränkl
(susanne.kraenkl@googlemail.com)

(AKE) Energy
– Prof. Dr. Hardo Bruhns
(ake@bruhns.info)

(AIW) Industry and Business
– Dr. Susanne Friebel
(Susanne.Friebel@phoneon.eu)

Symposia

SYAD – Anomalous Diffusion in Complex Environments
SYCE – Caloric Effects in Ferroic Materials
SYCS – Chimera States: Coherence-Incoherence Patterns in Complex Networks
SYES – Frontiers of Electronic-Structure Theory: Focus on Topology and Transport
SYHP – Fundamentals of Hybrid and Perovskite Photovoltaics
SYSD – SKM Dissertation Prize
SYSM – Scientometric Maps and Dynamic Models of Science and Scientific Collaboration Networks
SYTI – Topological Insulators: Status Quo and Future Directions
SYQS – Quantum Signatures in Magnetism

Organisation of the
Exhibition of Scientific Instruments and Literature

DPG-Kongress-, Ausstellungs- und
Verwaltungsgesellschaft mbH
Hauptstraße 5, 53604 Bad Honnef
Phone +49 (0)2224 9232-0
Fax +49 (0)2224 9232-50
Email dpg@dpg-physik.de
Website www.dpg-gmbh.de

Programme

The scientific programme consists of 4.575 contributions:

12	Plenary talks
3	Evening talks
9	Prize talks
6	Special talks
57	Topical talks
18	Tutorials
307	Invited talks
2.673	Contributed talks
1.489	Posters
1	Discussion

Information for Participants

The conference will be held March 6 – 11, 2016.

Conference Information

Conference Venue
University of Regensburg
Universitätsstraße 31
93053 Regensburg

The central activities like registration etc. will take place in the Main Lecture Hall (Audimax) of the University of Regensburg (Universitätsstraße 31). For a detailed map of the campus and the buildings please see the end of this booklet.

Conference Office – Information Desk
The conference office and the information desk are located in the foyer of the Main Lecture Hall (Audimax). The opening hours are the following:

		Registration	**Information Desk** (Phone No. +49 (0)941 2530)
Sunday	March 6	15:00 – 19:00	15:00 – 19:00
Monday	March 7	07:30 – 18:00	07:30 – 18:00
Tuesday	March 8	08:00 – 16:00	08:00 – 18:00
Wednesday	March 9	08:00 – 16:00	08:00 – 18:00
Thursday	March 10	08:00 – 16:00	08:00 – 18:00
Friday	March 11	08:00 – 12:00	08:00 – 15:00
Saturday	March 12	closed	08:00 – 14:00

Direct Express Check-in for Pre-registered Participants at Regensburg Central Station

Sunday	March 6	15:00 – 22:00
Monday	March 7	07:30 – 18:00

You will receive the printed short programme and your name tag at the conference office. The name tag must be worn visibly during the entire conference. With your name tag you will receive a receipt for your conference fee, a conference ticket and the login-password for using WLAN. Your name tag in combination with the

conference ticket will authorize you to use all buses (RVV) in Regensburg from March 6 – 11. The conference ticket is printed on the name tag. A map of public transport system in Regensburg is printed in this booklet.
The organisers, staff of the conference desk, and the student assistants will be identifiable by coloured name tags and Φ-T-shirts. Please contact them if you have any questions. Do not hesitate to inquire about all necessary information concerning the conference, orientation in Regensburg, accommodation, restaurants, going out, and cultural events at the information desk located in the foyer of the Main Lecture Hall.

Allocation of the Lecture Halls

Plenary talks, joint symposia	H1 (Audimax)
Prize ceremony, Evening talks	H1 (Audimax)
Job Market	Kunsthalle (Foyer Audimax, 1st floor)
Registration desk	Foyer Audimax
Information desk	Foyer Audimax
EinsteinSlam	H1 (Audimax)

With DPG-App through the Spring Meetings!
The updated DPG-App is ready-to-use and contains additional functions/features: In addition to the option of target groups, the programme booklets for DPG Conferences (VERHANDLUNGEN) are accessible and it is possible to compile a "favorite list" regarding events one wants to attend. Just download the DPG-App for Android or iOS now and utilize the supplemental offerings. You will find more information under
https://www.dpg-physik.de/service/dpg-app.html.

Communication / Internet Access
The University of Regensburg is member of the eduroam-network. Users from eduroam institutions, who have registered for eduroam, can use WLAN at the University of Regensburg without local registration in Regensburg. Please ask the computer center / network administration of your home institution for eduroam-registration. Eduroam in Regensburg is possible with WLAN SSID eduroam.

In addition to eduroam a WLAN (WPA2 secured) with the SSID conference is offered without prior registration:
SSID: conference
Password: unirconf
Please refer to wlan.uni-regensburg.de for a list of available access points and a comprehensive guide (in German) to WLAN-usage at the university.

Furthermore access to the internet will be available in every public computer room (see Campus Map) daily from 8:00 to 20:00.
Login-name: tag45
(or tag45.tagung.extern.uni-regensburg.de)
Password: dpg-2016

Transportation
Regensburg offers a very good transportation infrastructure (see public transport map at the end of this booklet). Your name tag in combination with the conference ticket will authorize you to use all buses of the public transport system (RVV) in Regensburg from March 6 – 10. A map of public transport system in Regensburg is printed in this booklet and available at the information desk.

Lost and Found Property
You can bring finds to the information desk in the foyer of the Audimax. There you can also get your lost property back.

Cloakroom
Participants are asked to look carefully after their wardrobe, valuables, laptops, and other belongings for which the organisers are not liable. You will find cloakrooms in the basement of the Main Lecture Hall (Audimax) and in the Ostbayerische Techn. Hochschule Regensburg (OTH; 1st floor). The opening hours will be announced. Please note that there is no possibility to store luggage.

Message Board
All alterations in the scientific programme and other important information for participants will be an-

nounced on a message board near the information desk and via the website http://regensburg16.dpg-tagungen.de/index.html.

Presentation
Scientific presentations will be held either orally or by poster. Presentations with a German abstract will be given in German.

Oral Presentation
Lecturers are requested to provide their presentations electronically. All lecture rooms are equipped with projectors ("beamers"), and a majority offers radio microphone amplifiers. OHPs are not available.

Laptops must be provided by the speakers. Furthermore, the presentation should be recorded onto an USB flash drive as back-up in PDF and power point format.

Short lectures should take 12 minutes with 3 minutes for discussions; the main lectures (without discussion) must not exceed 45 minutes.

All lecture rooms will be opened, at the latest, 45 minutes prior to the lecture. Speakers are requested to be in the lecture room at least 25 minutes prior to the start of the session, to report to the chairperson of the session as well as the technical staff to ensure that laptops handshake with projectors and to receive a brief introduction to the equipment in the lecture room.

Poster Presentation
Sites for poster sessions are named and located as follows:

Poster A	Wirtschaft und Recht (Law and Economics)
Poster B1	Physik (Physics)
Poster B2+B3	Vorklinikum (Pre-Clinical Medicine)
Poster C	Chemie (Chemistry and Pharmacy)
Poster D	Zentralbibliothek (Central Library)
Poster E	Vielberth-Gebäude (Vielberth-Building)

The poster boards will be marked with the number according to the scientific programme. Authors are asked to mount their poster 2 – 3 hours before their session's start. Each poster should display the number according to the scientific programme. Each poster should be no larger than 85 cm x 120 cm. (A0 portrait format).

For the mounting of posters please use the prepared "power strip" at the poster frame or contact the available student staff. Please make sure to use only power strips for mounting the poster (residue-free removing).

The presenting authors should be at hand for discussion at their poster during at least half of the poster session and should note this time at the poster.

The posters have to be removed after the session. Any posters remaining on display walls will be removed and disposed without requesting your permission. The conference management accepts no liability for the posters.

WE Heraeus Communication Programme
Important notes for participants who apply for a grant of the Wilhelm and Else Heraeus Foundation:
At the beginning of the conference you will receive an identification form at the conference office. The participation in the conference must be certified by the conference desk. You have the possibility to leave this certificate with the staff members of DPG (recommended!) in the conference office or to submit it to the DPG Head Office (DPG-Geschäftsstelle, Hauptstr. 5, 53604 Bad Honnef, Germany) by April 1, 2016 at the latest.

For more detailed information refer to
http://regensburg16.dpg-tagungen.de

Deutsche Physikalische Gesellschaft thanks Wilhelm and Else Heraeus Foundation for the generous financial support of young academic talents. We hope that young physicists will continue to seize the offered opportunity for active scientific communication at

scientific conferences. A total of about 27,850 young academics were supported by this programme so far.

Catering

Coffee
You can get coffee, tea, refreshments and snacks at the cafeterias in the Buildings Chemistry, Physics, Philosophy, and Law. In addition, free coffee will also be provided at 10 coffee corners, in all exhibition areas and near poster areas. All locations are displayed in the campus map at the end of this booklet.

Lunch
Lunch will be supplied in the Mensa of the University and the Ostbayerische Techn. Hochschule Regensburg (OTH) with two to three different meals:
Location: please refer to the map
Open: 11:00 – 14:15
Prices: price per meal:
about 8,00 €, which includes the meal, one drink and one dessert

Food Trucks
Unfortunately, the Uni-Pizzeria is closed in 2016. Instead there will be two Food Trucks in front of H36 (outside): "Green Liner" offers currys, pasta, fresh salads and also vegetarian and vegan food, "Tommy's Mutzbraten" offers Bavarian food and sausages to go. There will be a small dining room inside the Physics Building (PHY 5.0.21; warm, self-service).

Annual General Meeting
of Deutsche Physikalische Gesellschaft 2016
Date: Monday, March 7, 18:00, Room: Kunsthalle
The Annual General Meeting of Deutsche Physikalische Gesellschaft will take place on Monday evening. Members of DPG are kindly requested to attend the meeting. Please bring your membership card.

Annual General Meetings
of the DPG Divisions and Working Groups

Division	**Date**	**Time and Allocation**
Biological Physics	Wednesday, March 9	19:00-20:00, H43
Chemical and Polymer Physics	Thursday, March 10	19:00-19:30, H51
Dielectric Solids	Thursday, March 10	17:30-18:00, H25
Thin Films	Monday, March 7	19:00-20:00, H8
Environmental Physics	Wednesday, March 9	12:45-14:15, H41
Dynamics and Statistical Physics	Thursday, March 10	19:00-20:00, H47
Semiconductor Physics	Thursday, March 10	18:00-19:00, H13
Magnetism	Thursday, March 10	18:30-19:30, H32
Metal and Material Physics	Wednesday, March 9	19:45-20:45, H38
Microprobes	Thursday, March 10	18:00-19:00, H5
Surface Science	Thursday, March 10	19:00-19:30, H1 Audimax
Physics of Socio-Economic Systems	Wednesday, March 9	18:15-19:00, H36
Low Temperature Physics	Thursday, March 10	18:45-19:15, H19
Crystallography	Thursday, March 10	17:20-18:00, H26
Vacuum Science and Technology	Monday, March 7	16:00-16:30, H25
Working Groups		
Physics and Disarmament	Thursday, March 10	18:00-19:00, H3
Information	Monday, March 7	12:30-13:30, H5

Electron Beam Technology

New

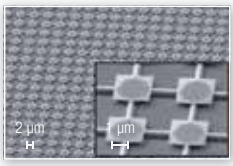
PIONEER Two

Best of both worlds: Direct write and direct view

The ideal Nanolithography-SEM hybrid at an affordable price

- The world´s smallest beam size in a professional electron beam lithography system
- Sub 10 nm lithography guarantee
- Analytical capabilities (SEM, EDX, material contrast…)

www.raith.com



MULTI TECHNIQUE ELECTRON BEAM LITHOGRAPHY

RAITH
NANOFABRICATION

Special Events

Tutorials
On Sunday, March 6, 16:00 – 18:30, there will be tutorial workshops on current scientific topics for interested conference participants, in particular for students and young scientists. All conference participants are welcome.

Topics:
- Correlations in Integrable Quantum Many-Body Systems
- Hybrid and Perovskite Photovoltaics
- Evolutionary Dynamics
- Spin Hall Effect and Spin-Orbit Torques
- Plasmonik

Welcome Evening
Date: Sunday, March 6, 19:00
On Sunday evening, a Bavarian Welcome Evening will be held in the Mensa of the University of Regensburg to which all registered participants are kindly invited. Snacks and drinks will be served. "De Verkeadn" (Bavarian brass music) will entertain you with music.

Do not miss the opportunity to register (15:00 to 19:00) prior to the conference's official beginning and to meet people in an informal atmosphere. When registering for the conference you receive your badge as well as food and drink vouchers for the Welcome Evening.
The wardrobe in the Mensa's basement is open from 18:30 till 23:00. Please note that the cloakroom in the lecture hall basement closes on Sunday at 19:00.

Special Plenary Session with Prize Ceremony (in German language)
Am Dienstag, den 8. März um 16:00 Uhr findet im H1 (Audimax) die Festsitzung mit Preisverleihung und anschließendem Festvortrag statt:

Musik

Begrüßung
durch den Örtlichen Tagungsleiter
Prof. Dr. Dieter Weiss, Universität Regensburg

Grußwort
des Parlamentarischen Staatssekretärs
Dieter Müller

Grußwort
des Präsidenten der Universität Regensburg
Prof. Dr. Udo Hebel

Ansprache
des Präsidenten der
Deutschen Physikalischen Gesellschaft
Prof. Dr. Edward G. Krubasik

Musik

Festakt

Deutsche Physikalische Gesellschaft

Preisverleihung

Max-Planck-Medaille 2016
Prof. Dr. Herbert Wagner, Ludwig-Maximilians-Universität München

Stern-Gerlach-Medaille 2016
Prof. Dr. Werner Hofmann, Max-Planck-Institut für Kernphysik Heidelberg

DPG-Ehrenmitgliedschaft 2016
Prof. Dr. Hermann Haken, Universität Stuttgart

Gustav-Magnus-Medaille 2016
Prof. Dr. Wolfgang Frühwald, Ludwig-Maximilians-Universität München

Medaille für Naturwissenschaftliche Publizistik 2015
Dr. Stefan Jorda, Physik Journal (bis 9/2015)

Walter-Schottky-Preis 2016
Prof. Dr. Ermin Malic, Technische Hochschule Chalmers Göteborg, Schweden

Dissertationspreis der Sektion Kondensierte Materie

Festvortrag

„The Puzzle of Self-Assembly and the Self-Assembly of Puzzles"
Prof. Dr. Daan Frenkel, University of Cambridge

Weitere Informationen auf Seite 14 in diesem Buch.

Dienstag, 8. März 2016, 16:00 – 18:30 Uhr
Audimax (H1)

Deutsche Physikalische Gesellschaft DPG

Preisverleihung

Vergabe der Max-Planck-Medaille 2016
an Prof. Dr. Herbert Wagner, Ludwig-Maximilians-Universität München

Vergabe der Stern-Gerlach-Medaille 2016
an Prof. Dr. Werner Hofmann, Max-Planck-Institut für Kernphysik, Heidelberg

Vergabe der DPG-Ehrenmitgliedschaft
an Prof. Dr. Hermann Haken, Sindelfingen

Vergabe der Gustav-Magnus-Medaille
an Prof. Dr. Wolfgang Frühwald, Augsburg

Vergabe der Medaille für Naturwissenschaftliche Publizistik
an Dr. Stefan Jorda, Physik Journal (bis 9/2015)

Vergabe des Walter-Schottky-Preises 2016
an Prof. Dr. Ermin Malic, Chalmers University of Technology Gothenburg, Schweden

Vergabe des Dissertationspreises der Sektion Kondensierte Materie (SKM)
(Der Preisträger wird nach dem SKM-Dissertationspreissymposium ernannt)

Musik

Festvortrag
Prof. Dr. Daan Frenkel, University of Cambridge
"The Puzzle of Self-Assembly and the Self-Assembly of Puzzles"

The laureates of Deutsche Physikalische Gesellschaft 2016 are:

Max-Planck-Medal
Prof. Dr. Herbert Wagner, Ludwig-Maximilians-Universität München
Prize talk: Thursday, March 10, 13:15 – 13:45, Audimax
Title: „Morphometrie materieller Strukturen"

Stern-Gerlach-Medal
Prof. Dr. Werner Hofmann, Max-Planck-Institut für Kernphysik, Heidelberg
Prize talk: Has been held during the DPG Spring Meeting in Hamburg (February 29 – March 4, 2016).

Walter-Schottky-Prize
Prof. Dr. Ermin Malic, Chalmers University of Technology Gothenburg, Sweden
Prize talk: Thursday, March 10, 13:15 – 13:45, H15
Title: „Microscopic view on ultrafast carrier dynamics in graphene"

Gustav-Hertz-Prize
Dr. Peter Keim, Universität Konstanz
Prize talk: Wednesday, March 9, 13:15 – 13:45, H15
Title: „Spontaneous symmetry breaking out of equilibrium: Kibble-Zurek mechanism in colloidal monolayers"

Robert-Wichard-Pohl-Prize
Prof. Dr. Christoph Buchal, Forschungszentrum Jülich
Prize talk: Tuesday, March 8, 13:15 – 13:45, H3
Title: „Energie und Klima: Cool Facts for a Hot Debate?"

Georg-Simon-Ohm-Prize
Lars Lötgering, Hochschule Koblenz, RheinAhr Campus Remagen
Prize talk: Monday, March 7, 13:15 – 13:45, Audimax
Title: „Diffractive imaging from multiple near-field diffraction intensities"

Georg-Kerschensteiner-Prize
Nina and Ingo Wentz, Gesamtschule Hennef Meiersheide
Prize talks: Have been held during the DPG Spring

Meeting in Hannover (February 29 – March 4, 2016).

DPG-Technologietransferpreis
(Technology Transfer Prize)
Will be awarded during the DPG-Technologietransfer-forum Symposium. The Laureate was not chosen by the print deadline (see page 26).

Max-Born-Prize
Prof. Dr. Christian Pfleiderer, Technical University, München
Combined award with the Institute of Physics – will be awarded in London in autumn 2016
Prize talk: Wed. March 9, 13:15 – 13:45, Audimax
Title: „Topological Spin Textures in Chiral Magnets"

Gentner-Kastler-Prize
Prof. Dr. Astrid Lambrecht, Laboratoire Kastler Brossel, CNRS, UPMC, ENS, Collège de France
Combined award with Société Française de Physique
Prize talk: Tuesday, March 8, 13:15 – 13:45, Audimax
Title: „Quantum Optics in Vacuum: The Casimir Effect"

Herbert-Walther-Prize
Prof. Dr. Peter Zoller, Universität Innsbruck, Österreichische Akademie der Wissenschaften
Combined award with Optical Society of America (OSA) – has been awarded at the DPG Spring Meeting in Hannover (February 29 – March 4, 2016)

Schülerinnen- und Schülerpreis
46. Internationale PhysikOlympiade 2015
Georg Berger, Leverkusen
Vincent Grande, Leipzig
Friedrich Hübner, Ruttersdorf-Lotschen
Sven Jandura, Dresden
Arne Wolf, Markkleeberg

Schülerinnen- und Schülerpreis
28th International Young Physicists' Tournament (IYPT 2015)
Sina Hartung, Ulm
Carina Kanitz, Dormitz
Jonas Landgraf, Weiden

Ann-Kathrin Raab, Rosenheim
Dominika Stronczek, Hamburg

Young Academic Awards of the Sections and Divisions of DPG:

SKM Dissertation Prize 2016
Date Monday, March 7
Time 10:30 – 12:35
Room H2
Talks by the five finalists will be given.
The laureate will be chosen after the SKM Dissertation Prize Symposium and announced during the ceremonial session, Tuesday March 8, 16:00 in the Audimax.

Young Scientist Award for Socio- and Econophysics 2016 (Division SOE)
Date Monday, March 7
Time 17:00
Room H36
Laureate Prof. Mason Porter, University of Oxford, United Kingdom
Title: „Community Structure in Social and Financial Networks"

Thyssen-Krupp Electrical Steel Dissertation Prize 2016 (Division MA)
Date Monday, March 7
Time 15:00 – 17:00
Room H32
Four candidates will compete for the prize.The laureate will be chosen after the session MA 10; the prize will be awarded subsequently to the session.

Gerhard Ertl Young Investigator Award 2016 (Division O)
Date Thursday, March 10
Time 10:30 – 13:00
Room S051
The laureate will be chosen after the session O 77; the prize will be awarded subsequently to the session.

Gaede-Prize 2016
(Award of Deutsche Vakuumgesellschaft)
Date Tuesday, March 8

Time 14:00 – 14:30
Room H11
Laureate Dr. Julia Stähler, Fritz-Haber-Institut der Max-Planck-Gesellschaft, Berlin
Title „Ultrafast dynamics of many-body effects in solids and at interfaces: Polarons, excitons and correlated electrons"

Max-von-Laue-Lecture
Wednesday, March 9, 18:00 to 19:00, Audimax
Prof. Dr. Allison MacFarlane from the Georg Washington University, Washington (USA) will speak about: „Nuclear Energy: Practical Realities and Significant Challenges"

Public Evening Talk
Wednesday, March 9, 20:00 to 21:00, Audimax
Prof. Dr. Jochem Marotzke from the Max-Planck-Institut für Meterologie Hamburg will speak about: „Vorhersagen sind schwierig... Möglichkeiten und Grenzen von Klimamodellen"

Lise-Meitner-Lecture
Thursday, March 10, 17:30, Audimax
Prof. Dr. Petra Schwille from the Max-Planck-Institut für Biochemie, Martinsried will speak about:
„Ist Leben konstruierbar?"

The Public Evening Talk, Max-von-Laue, and Lise-Meitner-Lecture talks are open for all conference participants and the interested public. The entrance is free.

EinsteinSlam
Date: Monday, March 7, 20:00, Audimax (H1)
EinsteinSlam is the competitive art of making complex science accessible to a broad audience. There are just 10 minutes for every attendee to present his / her self-made performance. The event will finish with a public poll in order to evaluate if a particular contribution was either instructive and amusing or rather should have never been performed. All presentations will be given in German. For more information please see page 65 in this booklet (www.einstein-slam.de).

Job Market
During the conference various companies and organisations will present their working fields and career opportunities to all interested participants. The presentations will take place in the Kunsthalle (FA, 1st floor). They will last for about 30 minutes plus discussion. For additional information refer to the information board close to the conference office.

Programme

Tuesday, March 8

12:30 – 13:30 Basycon Unternehmensberatung GmbH
"Hypothesen, Modelle, Experimente – Was Forschung und Unternehmensberatung gemeinsam haben"

13:45 – 14:45 Osram Opto Semiconductors GmbH
Karrieremöglichkeiten bei Osram Opto Semiconductors GmbH

Wednesday, March 9

12:00 – 13:00 Scienta Omicron GmbH
"Arbeiten bei Scienta Omicron GmbH"

13:15 – 14:15 Forschungszentrum Jülich GmbH
"Karrieremöglichkeiten im Forschungszentrum Jülich – Physik und mehr…"

Thursday, March 10

12:00 – 13:00 d-fine
"Als Physiker (m/w) in der Risikomanagementberatung"

13:15 – 14:15 Senacor Technologies AG
"Karrieremöglichkeiten bei Senacor Technologies AG"

14:30 – 15:30 McKinsey
"Karrieremöglichkeiten bei McKinsey"

Friday, March 11

13:15 – 14:15 The Boston Consulting Group
„Als Naturwissenschaftler in die Strategieberatung"

DPG-Technologietransferforum

mit

Preisverleihung „Bestes TT Projekt“

Am Montag, den 7. März 2016, findet von 9:00 bis ca. 17:00 Uhr im „Theater“ das erste DPG-Technologietransferforum statt. Junge Gründer, etablierte Forscher, Vertreter von Unternehmen und Technologietransferstellen stellen Best-Practice-Beispiele im Bereich des Technologietransfers vor.

Begrüßung
Hon. Prof. Dr. h.c. Rolf Pfrengle
Schatzmeister der Deutschen Physikalischen Gesellschaft

Impulsvortrag
Prof. Dr. Edward Georg Krubasik
Präsident der Deutschen Physikalischen Gesellschaft

Best Practice: Berichte aus dem TT / Erfolgsgeschichten
Firma Ascenion und Helmholtz Zentrum Dresden

Best Practice: Von der Erfindung zur erfolgreichen Innovation
Technologietransfer bei großen deutschen Industrieunternehmen

Best Practice: Erfolgreiche deutsche Gründer
Firma NanoTemper Technologies GmbH und Fraunhofer-Gesellschaft

Warum Deutschland ohne effektiven Technologietransfer nicht bestehen kann.
Prof. Dr. Günther Tränkle, Leibniz-Institut für Höchstfrequenztechnik

Preisverleihung „Bestes TT Projekt“ an Forschungsinstitut, Transferstelle und Unternehmen

Vorstellung „Bestes TT-Projekt“

Bier und Brez'n

Deutsche Physikalische Gesellschaft DPG

DPG-Technologietransferforum
Date: Monday, March 7, 9:00 – 17:00, Theater
Topic: From science to innovation (see above)

AIW-Day of Industry 2016 (AIW-Industrietag)
Date: Wednesday, March 9, 9:30 – 17:30, Theater
Topic: „Schutz von Innovationen”
(see page 148)

The Day of Industry is organised by the working group Industry and Business (AIW) in particular by Dr. Michael Schramm, 2s-ip Schramm Schneider Patentanwälte, Rechtsanwälte, München.
All presentations will be given in German.
Der Industrietag bietet interessante und aktuelle Einblicke in einen Themenbereich, der zunehmend an Bedeutung gewinnt: Schutz von Innovationen. Nach einem Überblick über die generellen Schutzmöglichkeiten geben hochrangige Vertreter der Wirtschaft Auskunft über die Bedeutung geistigen Eigentums in ihren Unternehmen und wie diese damit umgehen. Dabei wird auch deutlich werden, welche beruflichen Perspektiven sich für Physiker in diesem Bereich ergeben.

Companions' Programme
Excursions to the city, the institutions and industrial sites in the area. Please note that only a very limited number of participants (25 – 35) can take part in each of the excursions.

Tuesday, March 8, 16:00 – 17:30

City tour "Regensburg – Experience a Historic City." (English)
Stadtführung "Regensburg – Eine historische Stadt erleben." (deutsch)
Costs: 5,00 EUR
Meeting point: in front of the Tourist Information located in the Old Town Hall of Regensburg.
Please register and pay for the city tour at the Information Desk located in the Main Lecture Hall Foyer by Tuesday 12:00 at the latest.

Wednesday, March 9, 08:30 – 12:15

"Osram Opto Semiconductors GmbH insight: R & D and Production" (English)
Registration is free of charge.
Please register for this tour at the Information Desk located in the Main Lecture Hall Foyer by Tuesday 12:00 at the latest.
Meeting point: Bus stop "Universität" outside the university.
Please sign up with your guide there. The stated times are the times of departure and return.

Wednesday, March 9, 18:15 – 20:45

"Physics in the Universe: Regensburg's Observatory. A guided tour by and for physicists" (English)
Costs: 5,00 EUR
Meeting point: in front of the Tourist Information located in the Old Town Hall of Regensburg
Please register and pay for this tour at the Information Desk located in the Main Lecture Hall Foyer by Wednesday 12:00 at the latest.

Thursday, March 10, 09:30 – 11:45

"Innovations at Continental" (English and German)
Registration is free of charge.
Please register for this tour at the Information Desk located in the Main Lecture Hall Foyer by Monday 18:00 at the latest.
Meeting point: Bus stop "Universität" outside the university
Please sign up with your guide there. The stated times are the times of departure and return.

Thursday, March 10, 12:30 – 16:15

"Osram Opto Semiconductors GmbH insight: R & D and Production" (English)
Registration is free of charge.
Please register for this tour at the Information Desk located in the Main Lecture Hall Foyer by Wednesday 12:00 at the latest.
Meeting point: Bus stop "Universität" outside the university
Please sign up with your guide there. The stated times are the times of departure and return.

Friday, March 11, 9:40-13:00

"Infineon Innovation Site Regensburg" (English and German)
Registration is free of charge.
Please register for this tour at the Information Desk located in the Main Lecture Hall Foyer by Thursday 12:00 at the latest.
Meeting point: Bus stop "Universität" outside the university
Please sign up with your guide there. The stated times

are the times of departure and return.

“Physik hautnah”
Date: March 9 to March 12
Time: from 10:00-19:00
Location: On the large exhibition area within the “Donaueinkaufszentrum”, 2nd floor in front of the candy shop "Hornung".
Exciting experiments and technological highlights will be presented for the interested public in the "DEZ" shopping center. Already in 2002, 2004, 2007, 2010 and 2013 this show was a great success. People of all ages experienced the lively world of physics and materials science within an everyday life environment.

Exhibition of Scientific Instruments and Literature
Tuesday, March 8, to Thursday, March 10
Opening hours: 09:00 – 17:00
Exhibition of scientific instruments and literature in the Main Lecture Hall Foyer (Audimax), Law and Economics Building (“Wirtschaft und Recht”), H6 area and

the exhibition tent (outside nearby the main entrance of the Main Lecture Hall Building), where you will also find a catering area. More than 100 companies (see list of exhibitors at the end of this booklet) will present their products. All conference participants are welcome to attend the exhibition. The entrance is free.

“Role models”-Exhibition
Monday, March 7, to Friday, March 11
Exhibition of 20 posters presenting biographies of "role model" female physicists. It is titled "Lise Meitners Töchter – Physikerinnen stellen sich vor" and aims to encourage women to choose a profession within the field of natural sciences. The exhibition is located in the foyer of the Central Library. It is permanently open to the general public from Monday to Friday, 9:00 – 19:00 (on Friday, 9:00 – 14:00). The “Role models”-Exhibition is free of charge.

Places & Spaces
Monday, March 7, to Friday, March 11
Exhibition of scientific posters. The Places & Spaces: Mapping Science exhibit aims to introduce science mapping techniques to the general public and to experts across diverse disciplines for educational, scientific, and practical purposes. It is meant to inspire cross-disciplinary discussion on how to best track and communicate scholarly activity and scientific progress on a global scale. The exhibition is located in the foyer of the Central Library. It is permanently open to the general public from Monday to Friday, 9:00 – 19:00 (on Friday, 9:00 – 14:00). The Exhibition is free of charge.

DPG-Teachers’ Days (Lehrertage der DPG)
Date: March 11 and March 12, 09:00 – 16:00
The DPG's traditional "Teachers’ Days" are addressed to teachers and student teachers, and will take place within the context of the DPG Spring Meeting. Participation at the Teachers’ Days is free. All presentations of the DPG-Teachers’ Days will be in German.
You will find the programme in this booklet (abbreviation: LT) and on the local server http://regensburg16.dpg-tagungen.de/veranstaltung/lehrertage.html.

Organisation:
Dr. Michael Sinzinger
Goethe Gymnasium
Goethestr. 1
93049 Regensburg

Acknowledgement
The organisers and the local secretary want to thank

- Wilhelm and Else Heraeus Foundation, Hanau
- University of Regensburg
- all industrial sponsors (see page 176 in this booklet)

for supporting the conference and all staff who make this conference possible.

Disclaimer of liability
All participants are asked to take care of their wardrobe and valuables. We assume no liability.

Synopsis of the Daily Programme

Sunday, March 6, 2016

Tutorials (TUT)

Sessions

TUT 1 16:00 — 18:30 H15
Tutorial: Plasmonics (HL with O)

TUT 2 16:00 — 18:30 H16
Tutorial: Evolutionary Dynamics and Applications to Biology, Social and Economic Systems (SOE with DY, BP, AGjDPG)

TUT 3 16:00 — 18:30 H17
Tutorial: Spin Hall Effect and Spin-Orbit Torques (MA)

TUT 4 16:00 — 18:30 H18
Tutorial: Hybrid and Perovskite Photovoltaics (CPP with DF, DS, HL)

TUT 5 16:00 — 18:30 H20
Tutorial: Correlations in Integrable Quantum Many-Body Systems (TT)

Biological Physics Division (BP)

Session

BP 1 16:00 — 18:30 H16
Tutorial: Evolutionary Dynamics and Applications to Biology, Social and Economic Systems (SOE/DY/BP/jDPG)

Chemical and Polymer Physics Division (CPP)

Tutorials

CPP 1.1 16:00 — 16:50 H18
Perovskite photovoltaics: Synthesis, structure and device architecture
•*Pablo Docampo*

Vacuum Technology

For fundamental research: Experimental chamber with rotary feedthroughs DN 800/850 COF and DN 160 CF.

Please visit us at Audimax Foyer, Booth-No.: 50

Innovative and Intelligent. Precise and Productive. Flexible and Future-oriented.

PINK is the leading producer of special plants and custom-made systems based on vacuum technology. The extensive product range covers UHV accelerator systems, ion beam therapy systems, high-precise coating systems, leak testing units, high-vacuum soldering systems and much more.

Leading technology companies throughout the world, from chemical and pharmaceutical industries, automotive and component suppliers, semi-conductor industry, aerospace industry and science as well as research institutes trust in PINK's innovative products.

PINK®

PINK GmbH Vakuumtechnik
Gyula-Horn-Str. 20 · 97877 Wertheim · Germany
T (0 93 42) 872-0 · F (0 93 42) 872-111
info@pink-vak.de · www.pink-vak.de

CPP 1.2 16:50 — 17:40 H18
Charge Carrier Generation and Recombination in Organic and Perovskite Solar Cells
•*Andreas Baumann*

CPP 1.3 17:40 — 18:30 H18
The electronic structure in hybrid perovskite layers and devices
•*Selina Olthof*

Session

CPP 1 16:00 — 18:30 H18
Tutorial: Hybrid and Perovskite Photovoltaics (CPP/DF/DS/HL, organised by CPP)

Dielectric Solids Division (DF)

Session

DF 1 16:00 — 18:30 H18
Tutorial: Hybrid and Perovskite Photovoltaics (CPP with DS, DF, HL)

Thin Films Division (DS)

Session

DS 1 16:00 — 18:30 H18
Tutorial: Hybrid and Perovskite Photovoltaics (Joint Session of CPP, DF, DS and HL, organised by CPP)

Dynamics and Statistical Physics Division (DY)

Session

DY 1 16:00 — 18:30 H16
Tutorial: Evolutionary Dynamics and Applications to Biology, Social and Economic Systems (SOE / DY / BP / jDPG)

Semiconductor Physics Division (HL)

Tutorials

HL 1.1 16:00 — 16:45 H15
Graphene and Metal Plasmonics for Mid-IR Biosensing
•*Hatice Altug*

HL 1.2 16:45 — 17:15 H15
Active 3D plasmonics
•*Na Liu*

HL 1.3 17:30 — 18:00 H15
Infrared nanoscopy and nano-FTIR spectroscopy by elastic light scattering from a scanning probe tip
•*Rainer Hillenbrand*

HL 1.4 18:00 — 18:30 H15
Complex functional plasmonics: Ultrafast hybrid nonlinear plasmonics
•*Harald Giessen*

Sessions

HL 1 16:00 — 18:30 H15
Tutorial: Plasmonics

HL 2 16:00 — 18:30 H18
Tutorial: Hybrid and Perovskite Photovoltaics (Joint Session of CPP, DF, DS and HL, organised by CPP)

Magnetism Division (MA)

Tutorials

MA 1.1 16:00 — 16:45 H17
Introduction to Spin Hall Effect
•*Christian Back*

MA 1.2 17:00 — 17:45 H17
Magnetisation of ferromagnetic nanostructures manipulated by spin-orbit torques
•*Stefania Pizzini*

MA 1.3 17:45 — 18:30 H17
Spin Hall effect and spin-orbit torque from material-specific theory
•*Yuriy Mokrousov*

Session

MA 1 16:00 — 18:30 H17
Tutorial: Spin Hall Effect and Spin-Orbit Torques

Physics of Socio-economic Systems Division (SOE)

Tutorials

SOE 1.1 16:00 — 16:50 H16
Predicting evolution: statistical mechanics and biophysics far from equilibrium
•*Michael Lässig*

SOE 1.2 16:50 — 17:40 H16
Voter models of social opinion formation.
•*Katarzyna Sznajd-Weron*

SOE 1.3 17:40 — 18:30 H16
Maximum-entropy methods for network reconstruction, systemic risk estimation, and early-warning signals
•*Diego Garlaschelli*

Session

SOE 1 16:00 — 18:30 H16
Tutorial: Evolutionary Dynamics and Applications to Biology, Social and Economic Systems (SOE / DY / BP / jDPG)

Low Temperature Physics Division (TT)

Tutorials

TT 1.1 16:00 — 16:45 H20
Correlation functions of integrable models
•*Frank Göhmann*

TT 1.2 16:45 — 17:30 H20
Non-Abelian anyons
•*Holger Frahm*

TT 1.3 17:45 — 18:30 H20
Quantum quenches and equilibration of lattice and continuum systems
•*Michael Brockmann*

Session

TT 1 16:00 — 18:30 H20
Tutorial: Correlations in Integrable Quantum Many-Body Systems

Working Group "Young DPG“ (AGjDPG)

Session

AGjDPG 1 16:00 — 18:30 H16
Tutorial: Evolutionary Dynamics and Applications to Biology, Social and Economic Systems

Welcome Evening (for registered participants only)

19:00 Mensa

Monday, March 7, 2016

Plenary Talks, Prize Talk, Special Talk

PV I 08:30 — 09:15 H1
Merging light with nanoparticles: artificial molecules, photocatalysis, cancer therapy, and solar steam
•Naomi J. Halas

PV II 13:15 — 13:45 H15
Diffractive imaging from multiple near-field diffraction intensities
•Lars Lötgering
(Laureate of the Georg-Simon-Ohm-Prize)

PV III 13:15 — 13:45 H2
Perspectives in Scientific Communication: Publishing in Transition
•Alexander Grossmann

PV IV 14:00 — 14:45 H1
Recent Advances and Opportunities in Electron Microscopy of Materials
•Ulrich Dahmen

PV V 14:00 — 14:45 H15
From patterns to function in living systems: dryland ecosystems as a case study
•Ehud Meron

Symposium SKM Dissertation Prize 2016 (SYSD)

Invited Talks

SYSD 1.1 10:30 — 10:55 H2
Parallel pumping: Novel means of spin-wave manipulation on the micro-scale
•Thomas Brächer

SYSD 1.2 10:55 — 11:20 H2
Self-referenced quantized current source
•Lukas Fricke

SYSD 1.3 11:20 — 11:45 H2
Signatures of Majorana states in magnetic adatom chains
•Falko Pientka

SYSD 1.4 11:45 — 12:10 H2
Imaging Spin Textures on Curved Magnetic Surfaces
•Robert Streubel, Peter Fischer, Florian Kronast, Oliver G. Schmidt, Denys Makarov

SYSD 1.5 12:10 — 12:35 H2
Observing Electron Dynamics in Two Dimensions
•Sören Ulstrup

Session

SYSD 1 10:30 — 12:35 H2
SKM Dissertation Prize 2016

Symposium Caloric Effects in Ferroic Materials (SYCE)

Invited Talks

SYCE 1.1 15:00 — 15:30 H1
Multicaloric effects in metamagnetic Heusler materials
•Antoni Planes

SYCE 1.2 15:30 — 16:00 H1
Multicaloric effect in biological systems: a case of nerve action
•Matjaz Valant, Lawrence J. Dunne, Anna-Karin Axelsson, Florian Le Goupil, George Manos

SYCE 1.3 16:00 — 16:30 H1
Optimizing the electrocaloric effect by first-principles simulations: The role of strain and defects
•Anna Grünebohm

SYCE 1.4 16:45 — 17:15 H1
Giant inverse barocaloric effects in ferrielectric ammonium sulphate
Pol Lloveras, Enric Stern-Taulats, Maria Barrio, Josep Lluis Tamarit, Sam Crossley, Wei Li, Vladimir Pomjakushin, Antoni Planes, Lluis Mañosa, Neil Mathur, •Xavier Moya

SYCE 1.5 17:15 — 17:45 H1
TiNiCu-based thin films for elastocaloric cooling
•Eckhard Quandt, Christoph Chluba

Session

SYCE 1 15:00 — 17:45 H1
Caloric effects in ferroic materials

Symposium Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES)

Session

SYES 2 15:45 — 17:45 H51
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

Symposium Fundamentals of Hybrid and Perovskite Photovoltaics (SYHP)

Invited Talks

SYHP 1.1 09:30 — 10:00 H1
Perovskite Semiconductors: Opportunities and Challenges for Photovoltaic Materials Design
•David B. Mitzi

SYHP 1.2 10:00 — 10:30 H1
Perovskite Solar Cells: A new Paradigm in Photovoltaics
•Mohammad Nazeeruddin

SYHP 1.3 10:30 — 11:00 H1
Charge-Carrier Diffusion and Radiative Efficiencies in Hybrid Metal Halide Perovskites
•Laura Herz

SYHP 1.4 11:15 — 11:45 H1
Photovoltage losses in perovskite solar cells
•Kristofer Tvingsted

SYHP 1.5 11:45 — 12:15 H1
Computational screening of perovskite solar energy materials
•Karsten W. Jacobsen

Session

SYHP 1 09:30 — 12:15 H1
Fundamentals of Hybrid and Perovskite Photovoltaics

Biological Physics Division (BP)

Invited Talks

BP 2.1 09:30 — 10:00 H43
Multicellular Streaming in Solid Tumours
•Josef Käs, Franziska Wetzel, Anatol Fritsch, Steve Pawlizak, Linda Oswald, Steffen Grosser, Lisa Manning, Cristina Marchetti, Michael Höckel, John Condeelis

BP 3.1 09:30 — 10:00 H44
Structural Dynamics of Single G-protein Coupled Receptors
•Emmanuel Margeat

BP 7.1 11:15 — 11:45 H45
Relating biological networks to gene expression patterns
•Marc-Thorsten Hütt

BP 8.1 11:30 — 12:00 H43
Prospects of super-resolution optical microscopy for studying membrane bioactivity
•Christian Eggeling, Marco Fritzsche, Erdinc Sezgin

BP 11.4 16:00 — 16:30 H43
Chromophore Photophysics in Fluorescent Proteins of the GFP family
•Gerd Ulrich Nienhaus

BP 12.1 15:00 — 15:30 H45
Imaging of G-protein coupled receptors while quantifying their ligand-binding free energy landscape to mutiple ligands
•Daniel J. Müller, David Alsteens, Moritz Pfreundschuh, Patrizia M. Spoerri, Shaun R. Coughlin, Cheng Zhang, Brian K. Kobilka

Sessions

BP 2 09:30 — 11:00 H43
Physics of Cancer

BP 3 09:30 — 12:15 H44
Protein Structure and Dynamics

BP 4 09:30 — 11:00 H45
Colloids and Complex Fluids I (Joint Session BP/CPP/DY)

BP 5 09:30 — 13:00 H51
Colloids and Complex Fluids II (Joint Session CPP/DY/BP)

BP 6 10:00 — 11:30 H36
Networks: From Topology to Dynamics I (Joint Session SOE/DY/BP)

BP 7 11:15 — 13:00 H45
Coupled Problems in Biological Systems (Focus Session)

BP 8 11:30 — 12:45 H43
Bioimaging and Spectroscopy I

BP 9 12:15 — 13:15 H36
Evolutionary Game Theory (Joint Session SOE/DY/BP)

BP 10 15:00 — 18:00 H42
Colloids and Complex Fluids III (Joint Session CPP/DY/BP)

BP 11 15:00 — 17:15 H43
Bioimaging and Spectroscopy II

BP 12 15:00 — 17:15 H45
Single Molecule Biophysics

BP 13 17:30 — 19:30 Poster C
Posters – Anomalous Diffusion in Complex Environments

BP 14 17:30 — 19:30 Poster C
Posters – Biotechnology and Bioengineering

BP 15 17:30 — 19:30 Poster C
Posters – Complex Fluids and Soft Matter

BP 16 17:30 — 19:30 Poster C
Posters – Computational Biophysics

BP 17 17:30 — 19:30 Poster C
Posters – Coupled Problems in Biological Systems: Model Identification, Analysis and Predictions

BP 18 17:30 — 19:30 Poster C
Posters – DNA, RNA and Related Enzymes

BP 19 17:30 — 19:30 Poster C
Posters – Membranes and Vesicles

BP 20 17:30 — 19:30 Poster C
Posters – Molecular Dynamics

BP 21 17:30 — 19:30 Poster C
Posters – Nanoparticles, Nanocrystals and Composites

BP 22 17:30 — 19:30 Poster C
Posters – Neurosciences

BP 23 17:30 — 19:30 Poster C
Posters – Protein Structure and Dynamics

BP 24 17:30 — 19:30 Poster C
Posters – Single Molecule Biophysics

BP 25 17:30 — 19:30 Poster C
Posters – Systems Biology

Chemical and Polymer Physics Division (CPP)

Invited Talks

CPP 3.1 09:30 — 10:00 H40
Orientation effects in polymer networks
•*Vladimir Toshchevikov*

CPP 6.1 09:30 — 10:00 H51
Dynamics of thermosensitive core-shell dumbbells as analyzed by rheo-SANS
•*Matthias Ballauff*

CPP 6.8 11:45 — 12:15 H51
Percolation in colloidal model systems
•Tanja Schilling, Hugues Meyer, Mohit Dixit, Mark Miller, Paul van der Schoot

CPP 8.1 15:00 — 15:30 H40
The role of nonlinearities and kinetics at phase transitions in stimuli-responsive polymer solutions and hydrogels
•Martine Philipp, Winfried Petry, Peter Müller-Buschbaum

Sessions

CPP 2 09:30 — 12:15 H1
Symposium SYHP. Fundamentals of Hybrid and Perovskite Photovoltaics (CPP/DS/DF/HL, organised by CPP)

CPP 3 09:30 — 12:15 H40
Polymer Networks and Elastomers

CPP 4 09:30 — 12:15 H41
Nanoparticles, Nanocrystals and Composites I

CPP 5 09:30 — 11:00 H45
Colloids and Complex Fluids I (Joint Session BP/CPP/DY, organised by BP)

CPP 6 09:30 — 13:00 H51
Colloids and Complex Fluids II (Joint Session BP/CPP/DY, organised by CPP)

CPP 7 15:00 — 17:30 H38
Hybrid and Perovskite Photovoltaics I (Joint Session CPP/DF/DS/HL, organised by CPP)

CPP 8 15:00 — 17:45 H40
Hydrogels and Microgels

CPP 9 15:00 — 16:30 H41
Nanoparticles, Nanocrystals and Composites II

CPP 10 15:00 — 18:00 H42
Colloids and Complex Fluids III (Joint Session BP/CPP/DY, organised by CPP)

CPP 11 18:15 — 21:00 Poster B2
Poster: Hybrid and Perovskite Photovoltaics

CPP 12 18:15 — 21:00 Poster B2
Poster: Colloids and Complex Fluids

CPP 13 18:15 — 21:00 Poster B2
Poster: Nanoparticles, Nanocrystals and Composites

CPP 14 18:15 — 21:00 Poster B2
Poster: Polymer Networks and Elastomers, Hydrogels, Soft Robotics

CPP 15 18:15 — 21:00 Poster B2
Poster: Functional Polymer Hybrids

Dielectric Solids Division (DF)

Topical Talks

DF 6.1 15:00 — 15:30 H26
CVD diamond for nuclear fusion experiments
•Eckhard Wörner, Christoph Wild

DF 6.2 15:30 — 16:00 H26
Torus Diamond Window for the ITER ECRH Upper launcher
•Sabine Schreck, Gaetano Aiello, Giovanni Grossetti, Francesco Mazzocchi, Andreas Meier, Peter Spaeh, Dirk Strauss, Alessandro Vaccaro, Theo Scherer

DF 6.4 16:20 — 16:50 H26
Double-disc Diamond Windows for Fusion Applications
•Alessandro Vaccaro, Gaetano Aiello, Giovanni Grossetti, Francesco Mazzocchi, Andreas Meier, Theo Scherer, Sabine Schreck, Peter Spaeh, Dirk Strauss

DF 6.5 17:10 — 17:40 H26
Dielectric Characterization for Industrial Microwave Applications
•Sergey Soldatov, Vasileios Ramopoulos, Guido Link, John Jelonnek

Sessions

DF 2 09:30 — 12:15 H1
SYHP: Fundamentals of Hybrid and Perovskite Photovoltaics (CPP with DS, DF, HL)

DF 3 09:30 — 12:10 H26
Optical and nonlinear optical properties, photonic

DF 4 14:45 — 18:30 H2
Photovoltaics (HL with DF)

DF 5 15:00 — 17:45 H1
SYCE: Caloric effects in ferroic materials (MM with MA, DF)

DF 6 15:00 — 18:40 H26
Focus Session: Applications of Dielectric Materials in Microwave Technology

Thin Films Division (DS)

Invited Talks

DS 4.1 09:30 — 10:00 H11
Controlling and tailoring molecular thin film growth
•*Stefan Kowarik*

DS 8.1 15:00 — 15:30 H8
Materials characterization at the nanoscale by X-ray spectrometry
•*Burkhard Beckhoff*

Sessions

DS 2 09:30 — 12:15 H1
Fundamentals of Hybrid and Perovskite Photovoltaics (Joint symposium of CPP, DF, DS and HL, organised by CPP)

DS 3 09:30 — 13:15 H8
Phase Change / Resistive Switching

DS 4 09:30 — 12:45 H11
Organic Thin Films I

DS 5 09:30 — 13:00 H16
Two-dimensional Materials (Joint Session of DS and HL, organised by HL)

DS 6 09:30 — 12:30 H17
Graphene: Theory (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

DS 7 14:45 — 17:45 H17
Graphene: Transport (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

DS 8 15:00 — 16:30 H8
Thin Film Characterisation: Structure Analysis and Composition I

DS 9 15:00 — 16:45 H11
Organic Thin Films II

DS 10 15:00 — 17:45 H18
Transport: Topological Insulators – 2D (Joint Session of DS, HL, MA, O and TT, organised by TT)

DS 11 15:00 — 17:30 H38
Hybrid and Perovskite Photovoltaics I (Joint Session of CPP, DS and HL, organised by CPP)

DS 12 17:00 — 19:00 Poster A
Postersession DS

DS 13 17:45 — 18:45 H17
Graphene: Fabrication (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

DS 14 19:00 — 20:00 H8
Annual General Meeting
of the Thin Films Division

Dynamics and Statistical Physics Division (DY)

Invited Talks

DY 3.1 09:30 — 10:00 H46
History and Structure of Granular Sediments
•Thorsten Pöschel

DY 11.1 15:00 — 15:30 H44
Large deviation functionals in stochastic thermodynamics
•Andreas Engel, Johannes Hoppenau, Daniel Nickelsen

DY 11.2 15:30 — 16:00 H44
Thermodynamics with Continuous Information Flow
•Massimiliano Esposito

DY 11.3 16:00 — 16:30 H44
Measuring energy and information one molecule at a time
•Felix Ritort

DY 11.4 16:45 — 17:15 H44
Information reservoirs, bipartite systems, and the minimal energetic cost of uncertainty in biomolecular reactions
•Andre C Barato

DY 11.5 17:15 — 17:45 H44
Feedback control of transport in nanostructures.
•Tobias Brandes

Sessions

DY 2 09:30 — 11:00 H45
Colloids and Complex Fluids I (Joint Session BP/CPP/DY, organised by BP)

DY 3 09:30 — 12:45 H46
Granular Matter

DY 4 09:30 — 12:45 H47
Dynamics in many-body systems: Equilibriation and localization (Joint Session DY/TT)

DY 5 09:30 — 13:00 H51
Colloids and Complex Fluids II (Joint Session CPP/BP/DY)

DY 6 10:00 — 11:30 H36
Networks: From Topology to Dynamics I (Joint Session SOE / DY / BP)

DY 7 10:30 — 12:35 H2
SKM Dissertation-Prize 2016

DY 8 12:15 — 13:15 H36
Evolutionary Game Theory (Joint Session SOE / BP / DY)

DY 9 14:00 — 14:45 H15
Plenary Talk: Ehud Meron

DY 10 15:00 — 18:00 H42
Colloids and Complex Fluids III (Joint Session CPP/BP/DY)

DY 11 15:00 — 17:45 H44
Focus Session: Stochastic thermodynamics and information processing (Joint Session DY/BP)

DY 12 15:00 — 16:00 H47
Energy systems

DY 13 15:00 — 17:15 H48
Statistical Physics (general)

DY 14 16:15 — 17:45 H47
Complex Systems

Semiconductor Physics Division (HL)

Invited Talks

HL 5.1 09:30 — 10:00 H15
Quantum optics with quantum dots in photonic wires
•*Jean-Michel Gerard*

HL 6.6 11:15 — 11:45 H16
Epitaxial paradigms of van der Waals bonded chalcogenide materials
•*Raffaella Calarco*

HL 11.1 11:30 — 12:00 H10
A clean single electron source using voltage pulses generating levitons.
•*Christian Glattli*

HL 11.4 12:30 — 13:00 H10
(De)coherence of single electron wavepackets in quantum Hall edge channels
•*Erwann Bocquillon, Arthur Marguerite, Vincent Freulon, Jean-Marc Berroir, Bernard Plaçais, Antonella Cavanna, Yong Jin, Gwendal Fève*

HL 12.1 14:45 — 15:15 H2
Surface chemistry of colloidal semiconductor nanocrystals
•*Zeger Hens*

HL 13.1 14:45 — 15:15 H10
Energy- and time-resolved detection of hot single-electron wave packets
•*Masaya Kataoka*

HL 13.3 15:30 — 16:00 H10
The reabsorption effect with single-electron sources
•Géraldine Haack, Michael Moskalets

HL 13.5 16:45 — 17:15 H10
Electronic states in a driven quantum contact
•Mihajlo Vanevic, Julien Gabelli, Wolfgang Belzig, Bertrand Reulet

HL 13.10 18:15 — 18:45 H10
Clocked single-electron transfer: quantized currents and electron pair partitioning
•Frank Hohls

HL 15.7 16:15 — 16:45 H16
Mechanical Control of Excitonic States in Quantum Dots
Rinaldo Trotta, Javier Martín-Sánchez, •Armando Rastelli

HL 16.1 14:45 — 15:15 H17
Advances in Raman Spectroscopy of Graphene and Layered Materials
•Andrea C. Ferrari

HL 16.5 16:15 — 16:45 H17
Thermodynamic picture of ultrafast conduction in graphene
•Dmitry Turchinovich, Zoltan Mics, Klaas-Jan Tielrooij, Ivan Ivanov, Xinliang Feng, Klaus Müllen, Mischa Bonn

Sessions

HL 3 09:30 — 12:15 H1
Symposium SYHP. Fundamentals of Hybrid and Perovskite Photovoltaics (Joint Session of CPP, DF, DS and HL, organised by CPP)

HL 4 09:30 — 13:00 H13
Spintronics: Nanostructures and Optics

HL 5 09:30 — 12:15 H15
Quantum Dots and Wires: Single Photon Sources

HL 6 09:30 — 13:00 H16
Two-dimensional Materials (Joint Session of HL, DS and O, organised by HL)

HL 7 09:30 — 12:30 H17
Graphene: Theory (Joint Session of DS, HL and TT, organised by HL)

HL 8 09:45 — 13:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Experiment (Joint Session of HL, MA and TT, organised by TT)

HL 9 10:30 — 13:30 H24
Graphene I: Structure and Dynamics

HL 10 10:30 — 13:15 S054
Plasmonics and Nanooptics: Light-Matter Interaction

HL 11 11:30 — 13:00 H10
Focus Session: Single Particle Sources for Electronic Devices I (Joint Session of HL and TT, organised by HL)

HL 12 14:45 — 18:30 H2
Photovoltaics (Joint Session of HL and DF, organised by HL)

HL 13 14:45 — 18:45 H10
Focus Session: Single Particle Sources for Electronic Devices II (Joint Session of HL and TT, organised by HL)

HL 14 14:45 — 17:45 H13
Spintronics: Transport and Theory

HL 15 14:45 — 18:45 H16
Quantum Dots and Wires: Fabrication and Devices

HL 16 14:45 — 17:45 H17
Graphene: Transport (Joint Session of DS, HL and TT, organised by HL)

HL 17 15:00 — 17:45 H18
Transport: Topological Insulators – 2D (Joint Session of DS, HL, MA, O and TT, organised by TT)

HL 18 15:00 — 18:00 S054
Plasmonics and Nanooptics I: Microscopy

HL 19 15:00 — 17:30 H38
Hybrid and Perovskite Photovoltaics I (Joint Session of CPP, DS and HL, organised by CPP)

HL 20 15:45 — 17:45 H51
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

HL 21 17:45 — 18:45 H17
Graphene: Fabrication (Joint Session of DS, HL and TT, organised by HL)

Magnetism Division (MA)

Invited Talk

MA 5.1 09:30 — 10:00 H34
Néel-type skyrmions in a type-I multiferroic compound
•*Istvan Kezsmarki, Sandor Bordacs, Peter Milde, Jonathan White, Vladimir Tsurkan, Alois Loidl*

Sessions

MA 2 09:30 — 11:00 H31
Magnetic Materials I

MA 3 09:30 — 12:00 H32
Micro- and nanostructured Materials

MA 4 09:30 — 12:00 H33
Bio- und molekularer Magnetismus

MA 5 09:30 — 13:30 H34
Spin Textures and magnetic Phase Transitions

MA 6 09:45 — 13:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Experiment (Joint Session of HL, MA and TT organised by TT)

MA 7 15:00 — 17:45 H18
Transport: Topological Insulators – 2D (Joint Session of DS, HL, MA, O and TT organised by TT)

MA 8 15:00 — 17:30 S052
Magnetic Surface Excitations

MA 9 15:00 — 18:15 H31
Spincaloric Transport (jointly with TT)

MA 10 15:00 — 17:00 H32
Thyssen-Krupp Electrical Steel Ph. D. Thesis Award (Dissertationspreis)

MA 11 15:00 — 17:45 H33
Magnetic Thin Films I

Metal and Material Physics Division (MM)

Topical Talks

MM 1.1 09:30 — 10:00 H38
Computational Materials Design: From Genome to Flight
•Greg Olson

MM 2.1 10:15 — 10:45 H38
High-Throughput Computational Search for Precipitation Hardened Alloy Systems
•Chris Wolverton

MM 8.1 11:45 — 12:15 H38
Modern materials design from first-principles: Recent progress and future prospects
•Blazej Grabowski

MM 11.1 15:45 — 16:15 H39
Search for substitutes of magnetic materials containing critical elements by high-throughput screening and multi-scale modeling
•Christian Elsässer, Wolfgang Körner, Georg Krugel, Matous Mrovec, Daniel F. Urban, Peter Gumbsch

Sessions

MM 1 09:30 — 10:00 H38
Invited talk Olson

MM 2 10:15 — 11:45 H38
Topical session: Integrated computational materials engineering for design of new materials I

MM 3 10:15 — 11:45 H39
Interfaces I: Mechanical properties

MM 4 10:15 — 11:30 H52
Liquid and Amorphous Metals I: Glassy dynamics

MM 5 10:15 — 11:30 H53
Nanomaterials I: Mechanics

MM 6 11:30 — 13:00 H52
Liquid and Amorphous Metals II: Shear bands

MM 7 11:30 — 12:45 H53
Transport I: Electronic and thermal transport

MM 8 11:45 — 13:15 H38
Topical session:
Integrated computational materials engineering for design of new materials II

MM 9 11:45 — 12:45 H39
Interfaces II: Segregation and embrittlement

MM 10 15:00 — 17:45 H1
SYCE: Caloric effects in ferroic materials

MM 11 15:45 — 18:00 H39
Topical session:
Integrated computational materials engineering for design of new materials III

MM 12 15:45 — 17:45 H51
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

MM 13 15:45 — 17:30 H52
Liquid and Amorphous Metals III: Mechanical properties

MM 14 15:45 — 17:30 H53
Transport II: Atomic and ionic transport

MM 15 18:00 — 20:00 Poster B3
Poster session I

Surface Science Division (O)

Invited Talks, Topical Talks

O 1.1 09:30 — 10:15 S054
From surfaces and molecules to interfaces and hybrid materials: Theoretical spectroscopy of low-dimensional systems
•*Claudia Draxl*

O 2.1 10:30 — 11:00 S054
Hybrid plasmonic-photonic resonances for emitter control
•*Femius Koenderink*

O 3.1 10:30 — 11:00 S051
On growth and interaction phenomena of heteromolecular adsorbates on metal surfaces
•*Christian Kumpf*

O 3.2 11:00 — 11:30 S051
Surface Morphology from First-Principles: Thermodynamics and Kinetics
•*Karsten Reuter*

O 3.3 11:30 — 12:00 S051
Simulations of Surfaces and Interfaces Using High-Dimensional Neural Network Potentials
•*Jörg Behler*

O 3.4 12:00 — 12:30 S051
Morphology and growth of organic molecules at structured surfaces
•*Sabine H.L. Klapp, Nicola Kleppmann*

O 3.5 12:30 — 13:00 S051
Interaction of alcohols and water with carbonate surfaces
•*Angelika Kühnle, Christoph Marutschke, Felix Kling, Dirk Lautner, Ralf Bechstein, Peter Spijker, John Tracey, Ville Loukonen, Adam Foster*

O 6.1 12:00 — 12:30 S053
The surface science of friction: How molecular films affect sliding and plowing
•*Roland Bennewitz*

O 7.5 11:30 — 12:00 H24
Direct view on non-equilibrium carriers in graphene with time-resolved ARPES
•*Isabella Gierz*

O 8.3 11:00 — 11:30 H4
Momentum Microscopy with Time-of-Flight Analysis and Spin Filtering: Direct Imaging of k-Space Objects and Spin Textures
•*Gerd Schönhense*

O 11.1 15:00 — 15:30 S054
Principles of plasmonic imaging
•*Angela Demetriadou, Alexei Kornyshev*

O 13.1 15:00 — 15:30 S052
Excitations and dynamics of non-collinear magnetization states in tailored adatom arrays
•*Jens Wiebe*

O 14.6 16:15 — 16:45 S053
In-situ Studies of the Reactivity of Pt Model Catalysts: from Flat Surfaces to Nanoparticles
•*Christian Papp*

O 15.4 15:45 — 16:15 H24
Exploring chemical properties of surfaces by means of Atomic Force Microscopy
•*Pavel Jelinek*

Sessions

O 1 09:30 — 10:15 S054
Overview Talk: Claudia Draxl

O 2 10:30 — 13:15 S054
Plasmonics and Nanooptics I: Light-Matter Interaction

O 3 10:30 — 13:00 S051
Focus Session: Morphology Prediction at Interfaces

O 4 10:30 — 12:30 S052
Surface Magnetism: Atoms and Molecules

O 5 10:30 — 12:00 S053
Dynamics of Molecules on Surfaces

O 6	12:00 — 13:15	S053
	Tribology	
O 7	10:30 — 13:30	H24
	Graphene I: Structure and Dynamics	
O 8	10:30 — 13:00	H4
	Surface State Spectroscopy I	
O 9	10:30 — 12:45	H6
	Nanostructures at Surfaces I	
O 10	09:30 — 13:00	H16
	Two-dimensional Materials	
O 11	15:00 — 18:00	S054
	Plasmonics and Nanooptics II: Microscopy	
O 12	15:00 — 18:30	S051
	Morphology Prediction at Interfaces	
O 13	15:00 — 17:30	S052
	Magnetic Surface Excitations	
O 14	15:00 — 18:00	S053
	Surface Chemical Dynamics	
O 15	15:00 — 18:30	H24
	STM/AFM: New Approaches	
O 16	15:00 — 18:00	H4
	Surface State Spectroscopy II	
O 17	15:00 — 18:15	H6
	Adsorption on Metal Surfaces	
O 18	17:00 — 19:30	Poster A
	Metallic Nanowires on Semiconductor Surfaces	
O 19	17:00 — 19:30	Poster A
	Semiconductor Substrates: Structure, Adsorption and Growth	
O 20	17:00 — 19:30	Poster A
	Tribology: Surfaces and Nanostructures	
O 21	18:15 — 20:30	Poster E
	Morphology Prediction at Interfaces: Theory meets Experiment	

O 22 18:15 — 20:30 Poster E
Organic-Inorganic Hybrid Systems and Organic Films

O 23 18:15 — 20:30 Poster E
Plasmonics and Nanooptics: Light-Matter Interaction, Spectroscopy

O 24 18:15 — 20:30 Poster E
Plasmonics and Nanooptics: Fabrication, Characterization and Applications

O 25 18:15 — 20:30 Poster E
Oxide and Insulator Surfaces: Structure and Growth

O 26 18:15 — 20:30 Poster E
Oxides and Insulator Surfaces: Adsorption

Physics of Socio-economic Systems Division (SOE)

Prize Talk, Invited Talk, Topical Talk

SOE 2.1 09:30 — 10:00 H36
Structure and Dynamics of Multilayer Networks
•*Ginestra Bianconi*

SOE 6.1 16:00 — 16:45 H36
De gustibus est disputandum – The Emerging Science of Preference Formation
•*Ernst Fehr*

SOE 6.2 17:00 — 17:45 H36
Community Structure in Social and Financial Networks
•*Mason Porter (Laureate of the Young Scientist Award for Socio- and Econophysics)*

Sessions

SOE 2 09:30 — 10:00 H36
Structural Models of Social and Economic Networks (Topical Talk Ginestra Bianconi)

SOE 3 10:00 — 11:30 H36
Networks: From Topology to Dynamics I (Joint Session SOE / DY / BP)

SOE 4 11:30 — 12:15 H36
Traffic, Urban and Regional Systems

SOE 5 12:15 — 13:15 H36
Evolutionary Game Theory (Joint Session SOE / BP / DY)

SOE 6 16:00 — 17:45 H36
Young Scientist Award for Socio- and Econophysics (YSA) – Award Ceremony

SOE 7 18:00 — 20:00 Poster B1
Poster

Low Temperature Physics Division (TT)

Invited Talks

TT 5.7 11:30 — 12:00 H22
Coherent Suppression of Quasiparticle Dissipation in a Superconducting Artificial Atom
•*Ioan Pop*

TT 14.7 16:45 — 17:15 H19
Spectroscopic signatures of collective modes in superconductors
•*Lara Benfatto*

TT 15.1 15:00 — 15:30 H20
Thermodynamics of Fractional Quantum Spin Liquids
•*Yukitoshi Motome*

TT 15.2 15:30 — 16:00 H20
Proximate Kitaev quantum spin liquid behavior in α-$RuCl_3$
•*Stephen Nagler*

TT 15.3 16:00 — 16:30 H20
Kagome chiral spin liquid and symmetry protected topological phases
•*Yin-Chen He*

TT 15.4 16:45 — 17:15 H20
Three-dimensional Kitaev spin liquids
•*Maria Hermanns, Kevin O'Brien, Achim Rosch, Simon Trebst*

TT 15.5 17:15 — 17:45 H20
Landau levels of Majorana fermions in a spin liquid
•*Matthias Vojta*

Sessions

TT 2 09:30 — 12:30 H17
Graphene: Theory (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

TT 3 09:30 — 13:00 H20
Correlated Electrons: Frustrated Magnets – Pyrochlore Systems and Iridates

TT 4 09:30 — 12:45 H47
Dynamics in many-body systems: Equilibriation and localization (Joint Session of DY and TT organised by DY)

TT 5 09:45 — 13:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Experiment (Joint Session of HL, MA and TT organised by TT)

TT 6 10:00 — 13:00 H19
Superconductivity: Properties and Electronic Structure

TT 7 10:15 — 13:00 H18
Cold Atomic Gases

TT 8 10:15 — 13:00 H21
Correlated Electrons: Quantum Impurities, Kondo Physics

TT 9 10:30 — 13:30 H24
Graphene: Structure and Dynamics (Joint Session of DS, DY, HL, MA, O and TT organised by O)

TT 10 11:30 — 13:00 H10
Focus Session: Single Particle Sources for Electronic Devices I (Joint Session of HL and TT organised by HL)

TT 11 14:45 — 18:45 H10
Focus Session: Single Particle Sources for Electronic Devices II (Joint Session of HL and TT organised by HL)

TT 12 14:45 — 17:45 H17
Graphene: Transport (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

TT 13 15:00 — 17:45 H18
Transport: Topological Insulators – 2D (Joint Session of DS, HL, MA, O and TT organised by TT)

TT 14 15:00 — 18:00 H19
Superconductivity: (General) Theory

TT 15 15:00 — 17:45 H20
Focus Session: Spectroscopy of Quantum Spin Liquids

TT 16 15:00 — 17:45 H21
Transport: Quantum Dots, Quantum Wires, Point Contacts

TT 17 15:00 — 17:15 H22
Low-Dimensional Systems: Oxide Hetero-Interfaces

TT 18 15:00 — 18:15 H31
Spincaloric Transport (Joint Session of MA and TT organised by MA)

TT 19 15:00 — 18:00 Poster D
Superconductivity: Poster Session

TT 20 15:00 — 18:00 Poster D
Cryotechnique & Measuring Devices: Poster Session

TT 21 15:45 — 17:45 H51
Frontiers of Electronic Structure Theory: Focus on Topology and Transport (Joint Session of DS, HL, MA, MM, O and TT organised by MM)

TT 22 17:45 — 18:45 H17
Graphene: Fabrication (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

Vacuum Science and Technology Division (VA)

Invited Talks

VA 1.1 09:00 — 09:45 H25
The stellarator Wendelstein 7-X: vacuum technology, vacuum leak search, system commissioning
•*Juergen Baldzuhn, Hans-Stephan Bosch, Heinz Grote, Olaf Volzke, Lutz Wegener*

VA 2.1 10:30 — 11:15 H25
Novel routes in vacuum metrology at PTB and beyond
•*Stephan Putzke, Karl Jousten*

VA 3.1 14:00 — 14:45 H25
Development of an Absolute Valve for ITERs Neutral Beam Injection
•*Martin Greuter, Verena Saissrainer*

Sessions

VA 1 09:00 — 10:15 H25
Large Vacuum Systems

VA 2 10:30 — 11:45 H25
Vacuum Physics

VA 3 14:00 — 15:45 H25
Vacuum Generation & Measurement

16:00 — 16:30 H25
Annual General Meeting of the Vacuum Science and Technology Division

Working Group on Energy (AKE)

Invited Talks

AKE 1.1 09:30 — 10:00 H3
Processes for Advanced Fuel Production from Biomass
•*Jörg Sauer*

AKE 1.2 10:00 — 10:30 H3
Combined CO_2-storage and geothermal energy extraction: potential and options
•*Martin O. Saar*

AKE 2.1 10:30 — 11:00 H3
Wärmepumpe oder KWK – was passt zur Wärmewende
•Gerhard Luther

AKE 3.1 11:30 — 12:00 H3
Trends und Innovationen im Energiesektor
•Klaus Willnow

AKE 4.1 12:00 — 12:30 H3
Antriebs- und Kraftstoffstrategien für die zukünftige Mobilität
•Stefan Schmerbeck

AKE 5.1 15:00 — 15:30 H3
Die Defizite der Energiewende
•Manuel Frondel

AKE 6.1 15:30 — 16:00 H3
Perspektiven und Limitierungen (elektro-)chemischer Energiespeicher – von der Batterie bis zu Power-to-X
•Rüdiger-A. Eichel

AKE 7.1 16:00 — 16:30 H3
Methodische Aspekte der Systemanalyse zur Energiewende
•Detlef Stolten, Martin Robinius, Thomas Grube, Sebastian Schiebahn

Sessions

AKE 1 09:30 — 10:30 H3
Renewable Energy – Biomass, Geothermal Energy and CO_2-Sequestration

AKE 2 10:30 — 11:15 H3
Heat Pumps and Combined Heat and Power

AKE 3 11:30 — 12:00 H3
Trends and Innovations in the Energy Sector

AKE 4 12:00 — 12:30 H3
Strategies for Future Mobility

AKE 5 15:00 — 15:30 H3
Economic Aspects of the German Energy Turn

AKE 6 15:30 — 16:00 H3
Chemical Energy Storage for Electricity

AKE 7 16:00 — 17:00 H3
System Analysis and Hydrogen Economy

AKE 8 17:15 — 18:00 H3
CO_2 Electro-Reduction

Working Group on Information (AGI)

Topical Talk

AGI 1.1 10:00 — 10:45 H5
„Open Data“ und Forschungsdatenmanagement in Physik und Astronomie: Warum, wozu und wie?
•*Joachim Wambsganß*

Sessions

AGI 1 10:00 — 11:45 H5
Forschungsdatenmanagement: Von der Idee zur Umsetzung (mit jDPG)

AGI 2 11:45 — 12:15 H5
Open Access

12:30 — 13:30 H5
Annual General Meeting of the Working Group on Information

Working Group „Young DPG“ (AGjDPG)

Sessions

AGjDPG 2 10:00 — 11:45 H5
Forschungsdatenmanagement: Von der Idee zur Umsetzung (mit jDPG)

“Role models“-Exhibition

09:00 — 19:00 Foyer Central Library

"Places & Spaces“-Exhibition

09:00 — 19:00 Foyer Central Library

DPG Technology Transfer Forum

9:00 — 17:00 Theater

EinsteinSlam

AGjDPG 3 20:00 — 22:00 H1

Tuesday, March 8, 2016

Plenary Talks, Prize Talks, Special Talk

PV VI 08:30 — 09:15 H1
Linking Individual to Collective Behavior in Complex Adaptive Networks
•*Jorge M. Pacheco*

PV VII 13:15 — 13:45 H1
Quantum Optics in Vacuum: The Casimir Effect
•*Astrid Lambrecht*
(Laureate of the Gentner-Kastler-Prize)

PV VIII 13:15 — 13:45 H3
Energie und Klima: Cool Facts for a Hot Debate ?
•*Christoph Buchal*
(Laureate of the Robert-Wichard-Pohl-Prize)

PV IX 13:15 — 13:45 H2
The German Research Foundation – a short overview
•*Cosima Schuster, Michael Mößle*

Special Plenary Session with Prize Ceremony

16:00 — 17:45 H1

PV X 17:45 — 18:30 H1
The Puzzle of Self-Assembly and the Self-Assembly of Puzzles
•*Daan Frenkel (Ceremonial Lecturer)*

Symposium Anomalous Diffusion in Complex Environments (SYAD)

Session

SYAD 2 14:00 — 15:30 H47
Anomalous Diffusion (Joint Session with DY)

Symposium Chimera States: Coherence-Incoherence Patterns in Complex Networks (SYCS)

Invited Talks

SYCS 1.1 09:30 — 10:00 H1
Theory far from infinity: chimera states without the thermodynamic limit
•*Daniel Abrams*

SYCS 1.2 10:00 — 10:30 H1
Chimera patterns: Influence of topology, noise, and delay
•*Eckehard Schöll*

SYCS 1.3 10:30 — 11:00 H1
Chimera states in quantum mechanics
•*Victor Manuel Bastidas Valencia*

SYCS 1.4 11:15 — 11:45 H1
Synchronization in Populations of Chemical Oscillators: Phase Clusters and Chimeras
•*Kenneth Showalter*

SYCS 1.5 11:45 — 12:15 H1
Epileptic seizures: chimeras in brain dynamics
•*Klaus Lehnertz*

Session

SYCS 1 09:30 — 12:15 H1
Chimera States: Coherence-Incoherence Patterns in Complex Networks

Symposium Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES)

Session

SYES 3 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I

Biological Physics Division (BP)

Invited Talks

BP 27.1 09:30 — 10:00 H43
Membrane proteins under voltage: simulations of ion channels and receptors at work
•*Ulrich Zachariae*

BP 28.1 09:30 — 10:00 H44
Molecular Bioimaging of Genome Transcription
•*Patrick Cramer*

BP 28.5 11:15 — 11:45 H44
The biosynthetic basis of budding yeast cell size control
•*Kurt M. Schmoller, Jonathan J Turner, Mardo Koivomägi, Devon Chandler-Brown, Jan M. Skotheim*

BP 29.1 09:30 — 10:00 H45
Cell Migration in Confined Geometries
•*Joachim O. Rädler, Felix J. Segerer, Anna-Kristina Marel, Matthias L. Zorn, Christoph Schreiber, Peter Röttgermann, Alexandra Fink, Florian Thüroff, Erwin Frey*

Sessions

BP 26 09:30 — 12:15 H1
Symposium – Chimera States: Coherence-Incoherence Patterns in Complex Networks (SYCS)

BP 27 09:30 — 11:45 H43
Computational Biophysics

BP 28 09:30 — 12:30 H44
Systems Biology & Gene Expression and Signalling

BP 29 09:30 — 12:45 H45
Multicellular Systems

BP 30 09:30 — 13:00 H47
Microswimmers I (Joint Session with DY)

BP 31 12:00 — 13:00 H43
Statistical Physics of Biological Systems I (Joint Session with DY)

BP 32 14:00 — 15:00 H36
Chimera State: Symmetry breaking in dynamical networks (Joint Session SOE/DY/BP)

BP 33 14:00 — 15:15 H46
Colloids and Complex Fluids IV (Joint Session DY/BP/CPP)

BP 34 14:00 — 15:30 H47
Anomalous Diffusion (Joint Session with DY)

BP 35 15:00 — 15:45 H36
Networks: From Topology to Dynamics II (Joint Session SOE/DY/BP)

Chemical and Polymer Physics Division (CPP)

Invited Talks

CPP 17.1 09:30 — 10:00 H40
Molecular Dynamics Simulations of Compacted Polyelectrolyte Complexes
•Diddo Diddens, Jörg Baschnagel, Albert Johner

CPP 20.1 09:30 — 10:00 H51
Photoinduced Surface Patterning in Azo-Polymers: How Can Supramolecular Functionalization Strategies Serve Us?
•Arri Priimägi

CPP 20.6 11:15 — 11:45 H51
Plasmon coupling in self-assembled colloidal monolayers
•Matthias Karg

CPP 23.2 14:15 — 14:45 H40
Challenges and opportunities of nanostructured block copolymer membranes for lithium-ion batteries
•Ezzeldin Metwalli, Majid Rasool, Simon Brunner, Peter Müller-Buschbaum

CPP 25.1 14:00 — 14:30 H51
Plasmonic heating brings dynamic control of microgel shape and locomotion
•Ahmed Mourran, Hang Zhang, Martin Moeller

Sessions

CPP 16 09:30 — 10:30 H3
High Efficiency Photovoltaics (Joint Session AKE/CPP, organised by AKE)

CPP 17 09:30 — 12:30 H40
Polyelectrolytes

CPP 18 09:30 — 12:45 H42
Molecular Electronics and Photonics

CPP 19 09:30 — 13:00 H47
Microswimmers (Joint Session BP/CPP/DY, organised by DY)

CPP 20 09:30 — 12:45 H51
Focus: Functional Polymer Hybrids I

CPP 21 10:45 — 13:00 H37
Hybrid and Perovskite Photovoltaics II (Joint Session CPP/DF/DS/HL, organised by CPP)

CPP 22 14:00 — 15:30 H37
Organic Electronics and Photovoltaics I (CPP/DS/HL/O, organised by CPP)

CPP 23 14:00 — 15:30 H40
Charged Soft Matter

CPP 24 14:00 — 15:15 H46
Complex Fluids and Colloids IV (Joint Session BP/CPP/DY, organised by DY)

CPP 25 14:00 — 16:00 H51
Focus: Functional Polymer Hybrids II

CPP 26 18:15 — 21:00 Poster B2
Poster: Charged Soft Matter, Polyelectrolytes, Ionic Liquids

CPP 27 18:15 — 21:00 Poster B2
Poster: Soft Matter Dynamics / Glasses

CPP 28 18:15 — 21:00 Poster B2
Poster: Computational Physics of Soft Matter

CPP 29 18:15 — 21:00 Poster B2
Poster:
Crystallization, Nucleation, Self Assembly

CPP 30 18:15 — 21:00 Poster B2
Poster: Organic Electronics and Photovoltaics

Dielectric Solids Division (DF)

Invited Talk, Topical Talks

DF 7.1 09:30 — 10:10 H25
Spin and charge transport in multiferroic domain walls
•*Ramamoorthy Ramesh*

DF 7.5 11:30 — 12:00 H25
Conduction and Diode Behaviour in Charged Domain Walls
•*Michael Campbell*

DF 8.1 14:00 — 14:30 H25
Microscopic order parameters coupling at domain walls and its effect on macroscopic properties
•*Saeedeh Farokhipoor*

Sessions

DF 7 09:30 — 13:00 H25
Focus Session: Ferroic Domain Walls I

DF 8 14:00 — 16:00 H25
Focus Session: Ferroic Domain Walls II

Thin Films Division (DS)

Prize Talk, Special Talks, Invited Talk

DS 15.1 09:30 — 10:00 H8
Heterostructures with Targeted Nanoarchitecture and Tunable Properties
•*David Johnson*

DS 21.1 13:30 — 14:00 H11
Wolfgang Gaede – Wegbereiter der modernen Vakuum-Technik
•*Gerhard Voss*

DS 21.2 14:00 — 14:30 H11
Ultrafast dynamics of many-body effects in solids and at interfaces: Polarons, excitons and correlated electrons
•*Julia Stähler*
(Laureate of the Gaede-Prize)

DS 21.3 14:30 — 15:00 H11
Ion beam modification of magnetic materials – revisited
•*Jürgen Fassbender*

DS 21.4 15:00 — 15:30 H11
Large-scale reconstruction of metal-organic interfaces induced by chemisorption and surface stress change
•*Eberhard Umbach, Florian Pollinger, Stefan Schmitt, Thomas Schmidt, Helder Marchetto, Achim Schöll*

Sessions

DS 15 09:30 — 12:15 H8
Thermoelectric Materials

DS 16 09:30 — 13:00 H11
Layer Properties: Electrical, Optical, and Mechanical

DS 17 10:30 — 13:00 H24
2D Materials: Structure and Electronic Properties (Joint Session of DS and O, organised by O)

DS 18 10:30 — 13:15 S052
1D Metal Wires on Semiconductors I (Joint Session of DS and O, organised by O)

DS 19 10:45 — 13:00 H37
Hybrid and Perovskite Photovoltaics II (Joint Session of CPP, DS and HL, organised by CPP)

DS 20 12:30 — 13:00 H8
Topological Insulators: Status Quo and Future Directions (Joint Session of DS, O and TT, organised by DS)

DS 21 13:30 — 15:30 H11
Gaede Prize Symposium (Joint Session of DS and O, organised by DS)

DS 22 14:00 — 15:45 H18
Transport: Topological Insulators 3D (Joint Session of DS, HL, MA, O and TT, organised by TT)

DS 23 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I (Joint Session of DS and O, organised by O)

DS 24 14:00 — 16:00 S052
1D Metal Wires on Semiconductors II (Joint Session of DS and O, organised by O)

DS 25 14:00 — 15:30 H37
Organic Electronics and Photovoltaics I (Joint Session of CPP, DS, HL and O, organised by CPP)

Dynamics and Statistical Physics Division (DY)

Invited Talk

DY 16.1 09:30 — 10:00 H47
Amoeboid swimming
•Chaouqi Misbah

Sessions

DY 15 09:30 — 12:15 H1
Chimera State: Coherence-Incoherence Patterns in Complex Networks (joint symposium DY/SOE/BP)

DY 16 09:30 — 13:00 H47
Microswimmers I (Joint Session DY/BP)

DY 17 10:00 — 13:15 H48
Statistical Physics far from Thermal Equilibrium

DY 18 12:00 — 13:00 H43
Statistical Physics of Biological Systems I (Joint Session with DY)

DY 19 14:00 — 15:45 H23
Transport: Fluctuation and Noise (Joint Session of DY and TT organised by TT)

DY 20 14:00 — 15:00 H36
Chimera State: Symmetry breaking in dynamical networks (Joint Session DY/SOE accompanying symposium SYCS)

DY 21 14:00 — 15:15 H46
Complex Fluids and Colloids IV (Joint Session DY/BP/CPP)

DY 22 14:00 — 15:30 H47
Anomalous Diffusion (Joint Session DY/BP)

DY 23 14:00 — 15:15 H48
Quantum Dynamics, Decoherence and Quanten Information

DY 24 15:00 — 15:45 H36
Networks: From Topology to Dynamics II (Joint Session SOE / DY / BP)

DY 25 18:15 — 21:00 Poster B2
Poster – Soft Matter Dynamics / Glasses

DY 26 18:15 — 21:00 Poster C
Poster – Quanten Systems

DY 27 18:15 — 21:00 Poster C
Poster – Statistical Physics, Critical Phenomena, Brownian motion

DY 28 18:15 — 21:00 Poster C
Poster – Complex Fluids, Granular Matter, Glasses

DY 29 18:15 — 21:00 Poster C
Poster – Active Matter, Microswimmers and -fluidics, Statistical Physics Biosystems

DY 30 18:15 — 21:00 Poster C
Poster – Complex nonlinear systems

DY 31 18:15 — 21:00 Poster C
Poster – Pattern Formation

DY 32 18:15 — 21:00 Poster C
Poster – Turbulence

Invited Talks

HL 22.8 11:45 — 12:15 H10
Coherent Quantum Dynamics of Excitons in Atomically Thin Semiconductors
•*Xiaoqin Li*

HL 26.1 09:30 — 10:00 H16
Exploring spin quantum state decoherence in optically active quantum dots
•*Jonathan Finley*

HL 30.1 11:00 — 11:30 H16
On-chip quantum photonics with integrated quantum dot emitters
•*Mark Fox*

HL 30.2 11:30 — 12:00 H16
Quantum photonics with quantum dot single photons in silicon oxynitride waveguide circuits
•*Anthony Bennett, James Lee, David Ellis, Eoin Murray, Frederik Floether, Jonathon Griffiths, Thomas Meany, Ian Farrer, David Ritchie, Andrew Shields*

HL 30.3 12:15 — 12:45 H16
GaAs integrated quantum photonics
•*S. Höfling, C. P. Dietrich, A. Fiore, M. Thompson, M. Kamp*

HL 30.4 12:45 — 13:15 H16
Photonic integrated circuits with on-chip single-photon emitters based on III-V semiconductors
•*Mario Schwartz, Ulrich Rengstl, Thomas Herzog, Matthias Paul, Jan Kettler, Simone Luca Portalupi, Michael Jetter, Peter Michler*

HL 37.4 15:30 — 16:00 H10
Blasting semiconductor electrons with terahertz fields
•*Mackillo Kira*

HL 40.1 14:45 — 15:15 H16
On-chip generation, routing and detection of nonclassical light
•Kai Müller, Kevin A. Fischer, Constantin Dory, Günther Reithmaier, Fabian Flassig, Konstantin G. Lagoudakis, Tomas Sarmiento, Michael Kaniber, Jonathan J. Finley, Jelena Vuckovic

HL 40.2 15:15 — 15:45 H16
On-chip quantum optics using quantum dot microcavities and waveguide structures
Pierce Munnelly, Matthias Karow, Arsenty Kaganskiy, Jan-Hindrik Schulze, Andre Strittmatter, Martin Kamp, Sven Rodt, Sven Höfling, Tobias Heindel, Christian Schneider, •Stephan Reitzenstein

HL 41.1 14:45 — 15:15 H17
Ultrafast carrier dynamics in monolayer graphene
•Daniele Brida

Sessions

HL 22 09:30 — 13:15 H10
Ultrafast Phenomena I (Joint Session of HL and O, organised by HL)

HL 23 09:30 — 13:00 H13
Oxide Semiconductors I

HL 24 09:30 — 12:00 H14
Carbon-based Nanostructures

HL 25 09:30 — 12:30 H15
Quantum Information Systems (Joint Session of HL and TT, organised by HL)

HL 26 09:30 — 11:00 H16
Quantum Dots and Wires: Quantum Optics I

HL 27 09:30 — 13:00 H17
Zinc Oxide and Zinc Selenide

HL 28 09:30 — 12:45 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 1 (Joint Session of HL, MA and TT, organised by TT)

HL 29 10:45 — 13:00 H37
Hybrid and Perovskite Photovoltaics II (Joint Session of CPP, DS and HL, organised by CPP)

HL 30 11:00 — 13:15 H16
Focus Session: On-Chip Quantum Photonics I

HL 31 12:15 — 13:00 H14
Silicon-based Semiconductors I

HL 32 14:00 — 15:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 2 (Joint Session of HL, MA and TT, organised by TT)

HL 33 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I

HL 34 14:00 — 15:15 H31
Magnetic Semiconductors I (Joint Session of HL and MA, organised by MA)

HL 35 15:00 — 19:00 Poster A
Poster I

HL 36 15:00 — 19:00 Poster A
Poster Ib

HL 37 14:45 — 16:00 H10
Ultrafast Phenomena II

HL 38 14:45 — 15:45 H13
Oxide Semiconductors II

HL 39 14:45 — 15:45 H14
Silicon-based Semiconductors II

HL 40 14:45 — 16:00 H16
On-Chip Quantum Photonics II

HL 41 14:45 — 15:45 H17
Graphene: Optics (Joint Session of HL and TT, organised by HL)

HL 42 14:00 — 15:30 H37
Organic Electronics and Photovoltaics I (Joint Session of CPP, DS, HL and O, organised by CPP)

Magnetism Division (MA)

Invited Talks

MA 14.1 09:30 — 10:00 H32
Breakthrough neutron spectroscopy for quantum magnetism
•Andrey Zheludev

MA 14.2 10:00 — 10:30 H32
Topological magnetism as seen by neutrons
•Roderich Moessner

MA 14.3 10:45 — 11:15 H32
Magnetism at heterostructures and interfaces
Jochen Mannhart, •Hans Boschker

MA 14.4 11:15 — 11:45 H32
Vortex matter: from superconductivity to skyrmions
•Sebastian Mühlbauer

MA 14.5 11:45 — 12:15 H32
Neutron spectroscopy – Collective excitations in (un)conventional superconductors
•Jitae Park

Sessions

MA 12 09:30 — 12:45 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 1 (Joint Session of HL, MA and TT organised by TT)

MA 13 09:30 — 11:15 H31
Magnetic Materials II

MA 14 09:30 — 12:15 H32
Focus: Magnetism as seen by neutrons

MA 15 09:30 — 12:00 H33
Magnetic Thin Films II

MA 16 09:30 — 12:30 H34
Magnetization and Demagnetization Dynamics I

MA 17 09:30 — 12:30 Poster B1
Poster Session I

MA 18 10:15 — 11:45 H53
Topical session: Caloric Effects in ferroic materials I - Magnetocalorics

MA 19 11:30 — 13:15 H31
Magnetic Materials III

MA 20 14:00 — 15:45 H18
Transport: Topological Insulators – 3D (Joint Session of DS, HL, MA, O and TT organised by TT)

MA 21 14:00 — 15:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 2 (Joint Session of HL, MA and TT organised by TT)

MA 22 14:00 — 15:15 H31
Magnetic Semiconductors (jointly with HL)

MA 23 14:00 — 15:30 H32
Magnetic Materials and Caloric Effects

MA 24 18:15 — 20:30 Poster E
Electronic Structure: Surface Magnetism and Spin Phenomena

Microprobes Division (MI)

Invited Talks, Topical Talk

MI 1.1 09:30 — 10:15 H5
Extending the frontiers of high-resolved measurements with a Field Emission Microprobe
Silvia Richter, •Philippe Pinard

MI 1.3 10:30 — 11:00 H5
Quantitative Röntgenmikroanalyse von alten indischen Goldmünzen
•Peter-Michael Wilde

MI 2.1 11:15 — 12:00 H5
Nanocharacterisation of the structural and luminescence properties of materials in the scanning electron microscope
•Carol Trager-Cowan, G. Naresh-Kumar, N. Allehiani, S. Kraeusel, B. Hourahine, S. Vespucci, D. Thomson, E. Pascal, R. Johnston, M. Morrison, A. Alasmari, J. Bruckbauer, G. Kusch, P. R. Edwards, R. W. Martin, A. P. Day, A. Winkelmann, A. Vilalta-Clemente, A. J. Wilkinson, P. J. Parbrook, D. Maneuski, V. O'Shea, K. P. Mingard

MI 2.2 12:00 — 12:45 H5
Highly spatially resolved cathodoluminescence of III-Nitride based nanostructures directly performed in a Scanning Transmission Electron Microscope at liquid He temperatures
•Juergen Christen, Gordon Schmidt, Frank Bertram, Marcus Mueller, Peter Veit

Sessions

MI 1 09:30 — 11:00 H5
Electron Probe Microanalysis

MI 2 11:15 — 13:15 H5
Analytical Electron Microscopy: SEM and TEM-based Material Analysis

Metal and Material Physics Division (MM)

Invited Talk, Topical Talks

MM 16.1 09:30 — 10:00 H38
Critical stresses in intermittent plasticity and the transition to macroscopic yield
•Peter Derlet, Robert Maass

MM 17.2 10:45 — 11:15 H38
Forces at the nanoscale: Sliding nanoparticles and pushing molecules
•Andre Schirmeisen

MM 18.1 10:15 — 10:45 H39
Robust crystal-structure prediction with structure maps
•Thomas Hammerschmidt

Sessions

MM 16 09:30 — 10:00 H38
Invited talk Derlet

MM 17 10:15 — 11:45 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science I

MM 18 10:15 — 11:45 H39
Topical session: Integrated computational materials engineering for design of new materials IV

MM 19 10:15 — 11:45 H52
Mechanical Properties I

MM 20 10:15 — 11:45 H53
Topical session: Caloric Effects in ferroic materials I - Magnetocalorics

MM 21 11:45 — 13:15 H38
Microstructure and Phase Transformations I

MM 22 11:45 — 13:30 H39
Topical session: Integrated computational materials engineering for design of new materials V

MM 23 11:45 — 13:15 H52
Mechanical Properties II

MM 24 11:45 — 13:15 H53
Topical session: Caloric Effects in ferroic materials II - Methods and Applications

MM 25 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I

MM 26 18:30 — 20:30 Poster B3
Poster session II

Surface Science Division (O)

Invited Talks, Topical Talk

O 27.1 09:30 — 10:15 S054
The Emergence of Covalent On-Surface Polymerization
•*Leonhard Grill*

O 28.1 10:30 — 11:00 S054
Unravelling the structural and electronic properties of organic/metal interfaces with photoemission tomography
•*Peter Puschnig*

O 29.1 10:30 — 11:00 S051
Toward single atom qubits on a surface: Pump-probe spectroscopy and electrically-driven spin resonance
•*William Paul*

O 30.3 11:00 — 11:30 S052
Taking Nanoscience to the Edge – The Different Appearances of One-Dimensional Physics
•*Jörg Schäfer*

O 37.1 14:00 — 14:30 S054
Metal Complexation of Sulfur on Coinage Metal Surfaces
•*Patricia Thiel, Holly Walen, Yousoo Kim, Junepyo Oh, Hyun Jin Yang, Da-Jiang Liu*

O 41.1 14:00 — 14:30 H24
Topological semimetals and chiral transport in inversion asymmetric systems
•*Shuichi Murakami*

Sessions

O 27 09:30 — 10:15 S054
Overview Talk: Leonhard Grill

O 28 10:30 — 13:00 S054
Organic-Inorganic Systems I: PTCDA

O 29 10:30 — 13:30 S051
Topology- and Symmetry-Protected Materials

O 30 10:30 — 13:15 S052
1D Metal Wires on Semiconductors I

O 31 10:30 — 13:00 S053
Heterogeneous Catalysis: Theory

O 32 10:30 — 13:00 H24
2D Materials I: Structure and Electronic Properties

O 33 10:30 — 13:30 H4
Photonics and Nanooptics I: Infrared Spectroscopy

O 34 10:30 — 12:30 H6
Nanostructures at Surfaces II

O 35 09:30 — 13:15 H10
Ultrafast Phenomena I

O 36 13:30 — 15:30 H11
Gaede Prize Talks

O 37 14:00 — 16:00 S054
Nanostructures at Surfaces III

O 38 14:00 — 16:00 S051
Spintronics

O 39 14:00 — 16:00 S052
1D Metal Wires on Semiconductors II

O 40 14:00 — 16:00 S053
Heterogeneous Catalysis: Experiment

O 41 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I

O 42 14:00 — 16:00 H4
Plasmonics and Nanooptics III: Infrared Microscopy

O 43 14:00 — 16:00 H6
Oxides and Insulators: Adsorption I

O 44 18:15 — 20:30 Poster E
Graphene: Electronic Properties, Structure and Substrate Interaction

O 45 18:15 — 20:30 Poster E
Graphene: Adsorption, Intercalation and Doping

O 46 18:15 — 20:30 Poster E
2D Materials beyond Graphene: TMDCs, Silicene and Relatives

O 47 18:15 — 20:30 Poster E
Electronic Structure of Surfaces: Spectroscopy, Surface States

O 48 18:15 — 20:30 Poster E
Electronic Structure: Surface Magnetism and Spin Phenomena

O 49 18:15 — 20:30 Poster E
Metal Substrates: Structure, Adsorption and Growth

Physics of Socio-economic Systems Division (SOE)

Sessions

SOE 8 08:30 — 09:15 H1
Plenary talk Jorge Pacheco

SOE 9 09:30 — 12:15 H1
Chimera States: Coherence-Incoherence Patterns in Complex Networks (SYCS, joint symposium DY / SOE / BP)

SOE 10 14:00 — 15:00 H36
Chimera State: Symmetry breaking in dynamical networks (session accompanying symposium SYCS)

SOE 11 15:00 — 15:45 H36
Networks: From Topology to Dynamics II (Joint Session SOE / DY / BP)

Low Temperature Physics Division (TT)

Invited Talks

TT 24.1 09:30 — 10:00 H18
Detecting Weyl fermions in condensed matter
•*Titus Neupert*

TT 26.1 09:30 — 10:00 H20
Classical and quantum correlation induced bias asymmetries in coupled spin systems
•*Markus Ternes*

TT 26.2 10:00 — 10:30 H20
Magnetic anisotropy goes spintronic
•*Maarten R. Wegewijs, Maciej Misiorny, Michael Hell*

TT 26.3 10:30 — 11:00 H20
Engineering the Kondo Effect in clean Carbon Nanotubes
•*Christoph Strunk*

TT 26.4 11:15 — 11:45 H20
Majorana Fermions in Atomic Chains
•*Ali Yazdani*

TT 26.5 11:45 — 12:15 H20
Magnetic adatoms on superconductors – a new venue for Majorana bound states?
•*Felix von Oppen*

TT 30.1 11:00 — 11:30 H19
Selective correlations and heavy-fermionic behaviour in Iron-based superconductors
•*Luca de' Medici*

TT 32.1 14:00 — 14:30 H18
Coupled-wire constructions: New insights into the physics of interacting topological systems in two and three dimension (and beyond)
•*Tobias Meng, Eran Sela, Titus Neupert, Martin Greiter, Ronny Thomale, Adolfo G. Grushin, Jens H. Bardarson, Kirill Stengel*

TT 37.5 15:00 — 15:30 H23
Dynamical Coulomb Blockade theory of resonantly enhanced light emission from a tunnel junction
•*Wolfgang Belzig, Fei Xu, Cecilia Holmqvist*

Sessions

TT 23 09:30 — 12:30 H15
Quantum Information Systems (Joint Session of HL, MA, O and TT organised by HL)

TT 24 09:30 — 13:00 H18
Transport: Weyl Semimetals

TT 25 09:30 — 10:45 H19
Superconductivity: Fe-based Superconductors – 1111 & 111

TT 26 09:30 — 12:15 H20
Focus Session: Engineered Magnetic Impurities: Interaction and Superconductivity

TT 27 09:30 — 12:45 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 1 (Joint Session of HL, MA and TT organised by TT)

TT 28 10:00 — 13:00 H21
Correlated Electrons: Quantum-Critical Phenomena Experiment

TT 29 10:30 — 13:30 S051
Topology- and Symmetry-Protected Materials (Joint Session of DS, HL, MA, O and TT organised by O)

TT 30 11:00 — 13:00 H19
Superconductivity: Fe-based Superconductors – Theory

TT 31 12:30 — 13:00 H8
Topological Insulators: Status Quo and Future Directions (Joint Session of DS, MA, HL, O and TT organised by DS)

TT 32 14:00 — 15:45 H18
Transport: Topological Insulators – 3D (Joint Session of DS, HL, MA, O and TT organised by TT)

TT 33 14:00 — 15:30 H19
Superconductivity: Cryodedetectors & Cryotechnique

TT 34 14:00 — 16:00 H20
Correlated Electrons: Frustrated Magnets – Chiral Magnets & $RuCl_3$

TT 35 14:00 — 15:45 H21
Correlated Electrons: Quantum-Critical Phenomena – Theory

TT 36 14:00 — 15:00 H22
Transport: Quantum Coherence and Quantum Information Systems – Theory 2 (Joint Session of HL, MA and TT organised by TT)

TT 37 14:00 — 15:45 H23
Transport: Fluctuation and Noise (Joint Session of DY and TT organised by TT)

TT 38 14:00 — 16:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport I (Joint Session of DS, HL, MA, MM, O and TT organised by O)

TT 39 14:00 — 16:00 S051
Spintronics (Joint Session of DS, HL, MA, O and TT organised by O)

TT 40 14:45 — 15:45 H17
Graphene: Optics (Joint Session of DS, DY, HL, MA, O and TT organised by HL)

Environmental Physics Division (UP)

Invited Talks

UP 1.1 10:15 — 10:45 H41
Observations of tropospheric NO2 at different scales
•Andreas Richter, Andreas Hilboll, Andreas C. Meier, Anja Schönhardt, Stefan F. Schreier, Enno Peters, Folkard Wittrock, John P. Burrows

UP 3.1 14:00 — 14:30 H41
Nucleation, life cycle and climate impact of contrail cirrus – new insights
•Christiane Voigt

Sessions

UP 1 10:05 — 13:15 H41
Atmosphere – Trace Gases

UP 2 13:15 — 13:45 H3
Preisträgervortrag von Prof. Buchal

UP 3 14:00 — 15:45 H41
Atmosphere – Aerosols

UP 4 16:00 — 17:30 Foyer H41
Poster Session

Working Group on Equal Opportunities (AKC)

Session

AKC 1 14:00 — 16:00 Theater
Vortragsreihe mit Physikerinnen und Physikern aus Industrie und Wirtschaft

Working Group on Energy (AKE)

Invited Talks, Topical Talk

AKE 9.1 09:30 — 10:00 H3
Multi junction concepts for photovoltaics and artificial photosynthesis: Critical points of current and future high-performance solar energy conversion
•Thomas Hannappel

AKE 9.2 10:00 — 10:30 H3
Monolithic perovskite/silicon-heterojunction tandem solar cells processed at low temperature
•Steve Albrecht, M. Saliba, J.P. Correa Baena, F. Lang, L. Korte, R. Schlatmann, M. K. Nazeeruddin, A. Hagfeldt, M. Grätzel, B. Rech

AKE 11.1 14:00 — 14:30 H3
Der Reaktorunfall von Fukushima – Ursachen, Ablauf und Folgen des Unfalls sowie Maßnahmen zur Bewältigung der Unfallfolgen
•Walter Tromm, Martin Brandauer, Robert Stieglitz

AKE 11.2 14:30 — 15:00 H3
Der Reaktorunfall von Fukushima Dai-ichi: die radiologischen Konsequenzen für die Bevölkerung
•Rolf Michel

AKE 12.1 15:00 — 15:30 H3
Energiegewinnung durch Nanostrukturierte Thermoelektrika: Von Thomas Seebeck zum thermoelektrischen Generator
•Kornelius Nielsch

Sessions

AKE 9 09:30 — 10:30 H3
High-Efficiency Photovoltaics (with CPP)

AKE 10 10:45 — 12:15 H3
Modelling of Energy Systems and Climate

AKE 11 14:00 — 15:00 H3
Fukushima – Five Years later

AKE 12 15:00 — 15:30 H3
Energy Applications of Thermoelectric Materials

Exhibition of Scientific Instruments and Literature

09:00 — 17:00 Foyer Audimax, Bldg. Wirtschaft/Recht, H6, Tent

“Role models“-Exhibition

09:00 — 19:00 Foyer Central Library

“Places & Spaces“-Exhibition

09:00 — 19:00 Foyer Central Library

Job Market

12:30 — 13:30 Kunsthalle
Basycon Unternehmensberatung GmbH:
„Hypothesen, Modell, Experimente – Was Forschung und Unternehmensberatung gemeinsam haben“

13:45 — 14:45 Kunsthalle
Osram Opto Semiconductors GmbH:
"Karrieremöglichkeiten bei Osram Opto Semiconductors GmbH"

Wednesday, March 9, 2016

Plenary Talks, Prize Talks, Discussion

PV XI 08:30 — 09:15 H1
Topological Physics in HgTe-based Quantum Devices
•Laurens W. Molenkamp

PV XII 13:15 — 13:45 H1
Topological Spin Textures in Chiral Magnets
•Christian Pfleiderer
(Laureate of the Max-Born-Prize)

PV XIII 13:15 — 13:45 H15
Spontaneous symmetry breaking out of equilibrium: Kibble-Zurek mechanism in colloidal monolayers
•Peter Keim
(Laureate of the Gustav-Hertz-Preis),
Sven Deutschländer, Georg Maret, Patrick Dillmann

PV XIV 13:15 — 13:45 H2
A career in science: Should I stay or should I go?
•Martin Wolf

PV XV 14:00 — 14:45 H1
Taming Molecules in Hybrid Nanosystems
•Jürgen P. Rabe

PV XVI 14:00 — 14:45 H15
Antiferromagnetic spintronics
•Tomas Jungwirth

Symposium Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES)

Sessions

SYES 4 10:30 — 13:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport II

SYES 5 15:00 — 18:30 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport III

SYES 8 18:15 — 20:30 Poster A
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

Symposium Quantum Signatures in Magnetism (SYQS)

Invited Talks

SYQS 1.1 15:00 — 15:30 H1
Magnonic macroscopic quantum states and supercurrents
•Burkard Hillebrands, Dmytro A. Bozhko, Alexander A. Serga

SYQS 1.2 15:30 — 16:00 H1
Elementary excitations of magnetic insulators and its heterostructures with metals
•Gerrit Bauer

SYQS 1.3 16:00 — 16:30 H1
Cavity Spintronics
•Can-Ming Hu

SYQS 1.4 16:45 — 17:15 H1
Hybrid Quantum Systems - Coupling Color Centers to Superconducting Cavities
•Johannes Majer

SYQS 1.5 17:15 — 17:45 H1
Quantum enhanced sensing with single spins in diamond
•Fedor Jelezko

Session

SYQS 1 15:00 — 17:45 H1
Quantum Signatures in Magnetism

Symposium Topological Insulators: Status Quo and Future Directions (SYTI)

Invited Talks

SYTI 1.1 09:30 — 10:10 H1
Topological insulators and topological superconductors
•Shoucheng Zhang

SYTI 1.2 10:10 — 10:50 H1
Three-dimensional topological insulators and superconductors
•*Yoichi Ando*

SYTI 1.3 10:50 — 11:30 H1
Interplay of magnetic and electronic states in pyrochlore iridates
•*Leon Balents*

SYTI 1.4 11:40 — 12:20 H1
Magnetic imaging of edge states
•*Kathryn Moler*

SYTI 1.5 12:20 — 13:00 H1
Sub-nm wide edge states at the dark side of a weak topological insulator
•*Markus Morgenstern*

Session

SYTI 1 09:30 — 13:00 H1
Topological Insulators: Status Quo and Future Directions

Biological Physics Division (BP)

Invited Talks

BP 36.1 09:30 — 10:00 H43
Molecular simulation of protein dynamics and function
•*Gerhard Hummer*

BP 37.1 09:30 — 10:00 H44
Reconstituting basic mitotic spindles in artificial confinement
•*Marileen Dogterom*

BP 38.1 09:30 — 10:00 H45
Optogenetics: Basics, Applications and Chances
•*Ernst Bamberg*

BP 38.2 10:00 — 10:30 H45
The mechanical control of CNS development and functioning
•*Kristian Franze*

BP 43.1 15:00 — 15:30 H43
Cellular Mechanosensing
•Rudolf Merkel

BP 44.1 15:00 — 15:30 H45
Physics for the Origins of Life
•Dieter Braun

Sessions

BP 36 09:30 — 11:00 H43
Molecular Dynamics (Focus Session)

BP 37 09:30 — 12:45 H44
Cell Mechanics and Migration

BP 38 09:30 — 11:15 H45
Neurosciences

BP 39 09:30 — 12:45 H46
Active Matter (Joint Session with DY)

BP 40 11:30 — 12:30 H43
Statistical Physics of Biological Systems II (Joint Session with DY)

BP 41 11:30 — 13:00 H45
Microswimmers II (Joint Session with DY)

BP 42 15:00 — 18:15 H40
Biomaterials and Biopolymers I (Joint Session CPP/MM/BP)

BP 43 15:00 — 17:00 H43
Cell Adhesion

BP 44 15:00 — 16:45 H45
Biotechnology & Bioengineering

BP 45 15:30 — 16:15 H46
Statistical Physics in Biological Systems III (Joint Session with DY)

BP 46 17:00 — 19:00 Poster C
Posters – Biomaterials and Biopolymers

BP 47 17:00 — 19:00 Poster C
Posters – Active Matter

BP 48 17:00 — 19:00 Poster C
Posters – Bioimaging and Spectroscopy

BP 49 17:00 — 19:00 Poster C
Posters – Cell Mechanics and Migration \& Physics of Cancer

BP 50 17:00 — 19:00 Poster C
Posters – Cell Adhesion

BP 51 17:00 — 19:00 Poster C
Posters – Cytosceletal Filaments

BP 52 17:00 — 19:00 Poster C
Posters – Multi-Cellular Systems

BP 53 17:00 — 19:00 Poster C
Posters – Statistical Physics of Biological Systems

BP 54 19:00 — 20:00 H43
Annual General Meeting of the Biological Physics Division

Chemical and Polymer Physics Division (CPP)

Invited Talks

CPP 32.1 09:30 — 10:00 H37
Towards 100% efficient OLEDs using thermally activated delayed fluorescence; how does the spin conversion work
•Andrew Monkman, Marc Etherington, Paul Klein, David Graves, Przemyslaw Data, Paloma dos Santos Lays, Roberto Nobuyasu, Youhei Tacked, Fernando Dias

CPP 32.6 11:15 — 11:45 H37
Effects of charge and exciton diffusion on triplet-polaron quenching and triplet-triplet annihilation in disordered organic semiconductors
•Reinder Coehoorn, Harm van Eersel, Le Zhang, Peter Bobbert, Rene Janssen

CPP 33.3 10:00 — 10:30 H40
Quasi-elastic neutron scattering study of an ionic liquid confined in nanoporous carbon
Mark Busch, Tommy Hofmann, Boris Dyatkin, Yuri Gogotsi, Alexei Kornyshev, Jan Embs, Bernhard Frick, •Patrick Huber

CPP 34.1 09:30 — 10:00 H42
Polymer crystallization and nucleation: New insights from fast scanning calorimetry
•Christoph Schick, Evgeny Zhuravlev, René Androsch

CPP 35.6 11:00 — 11:30 H51
The extraordinary mechanical properties of spider silk and it's molecular foundation
•Friedrich Kremer, Markus Anton, Periklis Papadopoulos, Roxana Figuli, Wilhelm Kossack

CPP 39.1 15:00 — 15:30 H37
The Nature of the `Triplet Pair State' in Singlet Exciton Fission.
•Jenny Clark, Andrew Musser, Chaw Keong Yong, Daniel Polak

CPP 40.3 15:30 — 16:00 H40
Competing oligonucleotide macromolecules: binding preferences instead of a ménage a trois
•Albrecht Ott

CPP 41.1 16:00 — 16:30 H42
From holes to drops to toroids: Transcription of surface patterns into 3D-morphologies by dewetting
•Günter Reiter, Samer Al Akhrass, Laurant Vonna

CPP 42.5 16:00 — 16:30 H51
A coarse-grained model for DNA: dynamics of self-assembling biological systems and nanostructures.
•Ard Louis

CPP 42.8 17:15 — 17:45 H51
Principle of Maximum Caliber and its application in biology
•Kingshuk Ghosh

CPP 42.9 17:45 — 18:15 H51
Coarse-graining of conservative and non-conservative interactions in molecular liquids
•Nico van der Vegt

Sessions

CPP 31	09:30 — 11:45	H11
	Hybrid and Perovskite Photovoltaics III (Joint Session CPP/DF/DS/HL, organised by DS)	
CPP 32	09:30 — 12:45	H37
	Focus: Triplet States in Organic Optoelectronics I	
CPP 33	09:30 — 12:45	H40
	Ionic Liquids and Water	
CPP 34	09:30 — 12:15	H42
	Crystallization, Nucleation, Self Assembly I (Joint Session CPP/DY, organised by CPP)	
CPP 35	09:30 — 13:00	H51
	Activated and Glassy Dynamics of Soft Matter (Joint Session CPP/DY, organised by CPP)	
CPP 36	10:00 — 13:00	H47
	Complex Fluids and Colloids V (Joint Session BP/CPP/DY, organised by DY)	
CPP 37	10:30 — 13:00	S054
	Organic-Inorganic Systems II: Energy Level Alignment (organised by O)	
CPP 38	14:45 — 18:30	H2
	Organic Photovoltaics and Electronics (Joint Session CPP/HL, organised by HL)	
CPP 39	15:00 — 16:30	H37
	Focus: Triplet States in Organic Optoelectronics II	
CPP 40	15:00 — 18:15	H40
	Biomaterials and Biopolymers I (Joint Session BP/CPP/MM, organised by CPP)	
CPP 41	16:00 — 18:30	H42
	Crystallization, Nucleation, Self Assembly II (Joint Session CPP/DY, organised by CPP)	
CPP 42	15:00 — 18:15	H51
	Focus: Multiscale Simulations for Soft Matter: The Challenge of Dynamics (Joint Session CPP/DY, organised by CPP)	
CPP 43	18:15 — 21:00	Poster B2
	Poster: The Physics of Water Interactions with Biological Matter	

CPP 44 18:15 — 21:00 Poster B2
Poster: Biomaterials and Biopolymers

CPP 45 18:15 — 21:00 Poster B2
Poster: Two Dimensional Functional Materials

CPP 46 18:15 — 21:00 Poster B2
Poster: Wetting, Nano- and Microfluidics

CPP 47 18:15 — 21:00 Poster B2
Poster: Interfaces and Thin Films

Dielectric Solids Division (DF)

Topical Talks

DF 9.1 09:30 — 10:00 H25
Functional domain walls in multiferroics
•Dennis Meier

DF 9.3 10:20 — 10:50 H25
Neutron scattering study of the cycloidal and Néel-type skyrmion lattice phases of GaV_4S_8
•Sándor Bordács, Jonathan S White, Nicole Reynolds, Charles D Dewhurst, Henrik M Rønnow, Vladimir Tsurkan, Alois Loidl, István Kézsmárki

DF 9.5 11:30 — 12:00 H25
Collective spin excitations at GHz frequencies in Skyrmion-hosting bulk materials
•Dirk Grundler

DF 9.7 12:20 — 12:50 H25
Skyrmionic states in ferroelectric nanocomposites
Yousra Nahas, •Sergei Prokhorenko, Lydie Louis, Zhigang Gui, Igor Kornev, Laurent Bellaiche

DF 10.1 15:00 — 15:30 H25
Controlling domain wall motion as a route towards new functionalities in $Pb(Zr,Ti)O_3$ ferroelectric thin films
•Leo McGilly, Ludwig Feigl, Petr Yudin, Tomas Sluka, Alexander Tagantsev, Nava Setter

DF 10.7 17:30 — 18:00 H25
Domain Glass
•Ekhard Salje

Sessions

DF 9 09:30 — 12:50 H25
Focus Session: Skyrmions meet Multiferroicity

DF 10 15:00 — 18:00 H25
Focus Session: Ferroic Domain Walls III

DF 11 18:00 — 20:00 Poster E
Poster

Thin Films Division (DS)

Invited Talk, Topical Talks

DS 28.1 09:30 — 10:00 H8
Surface analytics with electron spectroscopy on coated steel sheets
•David Stifter

DS 36.1 15:00 — 15:30 H11
Single site-controlled InGaAs quantum dots grown on patterned GaAs nanoholes
•S. Höfling, S. Maier, S. Unsleber, M. Kamp, C. Schneider

DS 36.2 15:30 — 16:00 H11
Nanometer scale correlation of structural and optical properties of individual GaAs/AlGaAs nanorodsby Scanning Transmission Electron Microscope Cathodoluminescence
•Frank Bertram, Marcus Müller, Peter Veit, Jürgen Christen

DS 36.3 16:00 — 16:30 H11
Local Heteroepitaxy for Large-Scale Integration
•Heinz Schmid, Mattias Borg, Davide Cutaia, Kirsten Moselund, Moritz Knoedler, Nicolas Bologna, Heike Riel

DS 36.4 16:45 — 17:15 H11
Fabrication and study of metal contacts on germanium nanowires using electrical biasing in a transmission electron microscope
•Martien den-Hertog, Khalil El-Hajroui, Clemens Zeiner, Alois Lugstein, Eric Robin, Miguel Lopez-Haro, Jean-Luc Rouviere

DS 36.5 17:15 — 17:45 H11
Cubic GaN on pre-patterned 3C-SiC/Si (001) substrates
•Donat Josef As, Ricarda Maria Kemper, Thomas Riedl, Jörg K.N. Lindner

Sessions

DS 26 08:30 — 09:15 H1
Plenary Talk XI

DS 27 09:30 — 13:00 H1
Symposium Topological Insulators: Status Quo and Future Directions (Joint symposium of DS, HL, MA, O and TT, organised by TT)

DS 28 09:30 — 12:00 H8
Thin Film Applications

DS 29 09:30 — 11:45 H11
Hybrid and Perovskite Photovoltaics III (Joint Session of CPP, DS and HL, organised by DS)

DS 30 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT, organised by TT)

DS 31 10:30 — 13:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint Session of DS and O, organised by O)

DS 32 10:30 — 13:00 S053
2D Materials: Growth (Joint Session of DS and O, organised by O)

DS 33 12:00 — 12:45 H11
Frontiers of Electronic Structure Theory (Joint Session of DS and O, organised by DS)

DS 34 12:15 — 12:45 H8
Atomic Layer Deposition

DS 35 15:00 — 18:15 H8
Thin Film Characterisation: Structure Analysis and Composition II

DS 36 15:00 — 18:30 H11
Focussed Session: Semiconductor Heteroepitaxy on Nanopatterned Substrates (Joint Session of DS and HL, organised by DS)

DS 37 15:00 — 18:30 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport III (Joint Session of DS and O, organised by O)

DS 38 15:00 — 17:45 H32
Topological Insulators (Joint Session of DS, HL, MA, O and TT, organised by MA)

Dynamics and Statistical Physics Division (DY)

Invited Talks

DY 35.1 09:30 — 10:00 H46
Nonreciprocal forces in soft matter systems: passive particles become active
•Hartmut Löwen

DY 41.1 15:00 — 15:30 H48
Visualizing quantum chaos in four dimensions
•Arnd Bäcker

Sessions

DY 33 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT organised by TT)

DY 34 09:30 — 12:15 H42
Crystallization, Nucleation, Self Assembly I (Joint Session CPP/DY, organised by CPP)

DY 35 09:30 — 12:45 H46
Active Matter (Joint Session DY/BP)

DY 36 10:00 — 13:00 H47
Complex Fluids and Colloids V (Joint Session DY/BP/CPP)

DY 37 10:00 — 12:00 H48
Nonlinear Dynamics, Synchronization and Chaos

DY 38 11:30 — 12:30 H43
Statistical Physics of Biological Systems II (Joint Session with DY)

DY 39 11:30 — 13:00 H45
Microswimmers II (Joint Session BP/DY)

DY 40 16:00 — 18:30 H42
Crystallization, Nucleation, Self Assembly II (Joint Session CPP/DY, organised by CPP)

DY 41 15:00 — 17:45 H48
Quantum Chaos

DY 42 15:00 — 18:15 H51
Focus: Multiscale Simulations for Soft Matter: The Challenge of Dynamics (Joint Session CPP/DY, organised by CPP)

DY 43 15:30 — 16:15 H46
Statistical Physics in Biological Systems III (joint DY/BP)

DY 44 15:30 — 17:15 H47
Critical Phenomena and Phase Transitions

DY 45 16:30 — 17:45 H46
Brownian Motion and Transport

DY 46 18:15 — 21:00 Poster B2
Poster: Wetting, Nano- and Microfluidics

Semiconductor Physics Division (HL)

Invited Talks

HL 44.1 09:30 — 10:00 H10
Rydberg excitons in cuprous oxide
•*Manfred Bayer*

HL 44.11 12:45 — 13:15 H10
From a loophole-free Bell test to a secure quantum Internet
•*Ronald Hanson*

HL 48.5 11:00 — 11:30 H15
Exciton-polariton thermodynamics in ZnSe-based microcavities
•*Sebastian Klembt, Emilien Durupt, Sanjoy Datta, Thorsten Klein, Yoan Léger, Augustin Baas, Charsten Kruse, Detlef Hommel, Anna Minguzzi, Maxime Richard*

HL 49.1 09:30 — 10:00 H16
Probing bandgap renormalization, excitonic effects, and interlayer coupling in 2D transition metal dichalcogenide semiconductors
•Miguel M. Ugeda, Aaron Bradley, Sufei Shi, Felipe H. Jornada, Yi Zhang, Diana Qiu, Wei Ruan, Sebastian Wickenburg, Alexander Riss, Jiong Lu, Sung-Kwan Mo, Zahid Hussain, Zhi-Xun Shen, Feng Wang, Steven G. Louie, Michael F. Crommie

HL 49.5 11:15 — 11:45 H16
Enhanced light-matter coupling and single-photon emission of atomically thin semiconductors
•Rudolf Bratschitsch

HL 49.6 11:45 — 12:15 H16
Optical Properties and Carrier Dynamics in Transition Metal Dichalcogenides
•Alexander Steinhoff-List, Malte Rösner, Matthias Florian, Michael Lorke, Christopher Gies, Ji-Hee Kim, Deok-Soo Kim, Chanwoo Lee, Gang Hee Han, Mun Seok Jeong, Tim Wehling, Frank Jahnke

HL 58.1 14:45 — 15:15 H2
Ultrafast excitonic and charge transfer dynamics in nano\-structured organic polymer materials
•Irene Burghardt, Robert Binder, Matthias Polkehn, Hiroyuki Tamura

HL 59.6 16:00 — 16:30 H10
Discontinuous Galerkin Methods in Nano-Photonics
•Kurt Busch

Sessions

HL 43 09:30 — 13:00 H1
Symposium SYTI: Topological Insulators: Status Quo and Future Directions (Joint Session of DS, HL, MA, O and TT, organised by TT)

HL 44 09:30 — 13:15 H10
Optical Properties I

HL 45 09:30 — 11:45 H11
Hybrid and Perovskite Photovoltaics III (Joint Session of CPP, DS and HL, organised by CPP)

HL 46 09:30 — 11:30 H13
Organic Semiconductors

HL 47 09:30 — 11:45 H14
Quantum Hall Effect

HL 48 09:30 — 12:00 H15
Quantum Dots and Wires: Microcavities

HL 49 09:30 — 13:00 H16
Focus Session: Many-body effects in two-dimensional materials (Joint Session of HL and O, organised by HL)

HL 50 09:30 — 13:15 H17
Gallium Nitride: Fabrication and Characterisation

HL 51 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT, organised by TT)

HL 52 09:30 — 12:15 H32
Spintronics (incl. quantum dynamics) (Joint Session of HL, MA and TT, organised by MA)

HL 53 09:30 — 13:30 Poster A
Poster II

HL 54 10:30 — 13:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport II

HL 55 10:30 — 13:15 S051
Photonics and Nanooptics I: Nonlinear Response

HL 56 10:30 — 13:00 S053
2D Materials: Growth

HL 57 12:15 — 13:00 H15
Quantum Dots and Wires: Quantum Optics II

HL 58 14:45 — 18:30 H2
Organic Photovoltaics and Electronics

HL 59 14:45 — 18:30 H10
Optical Properties II

HL 60 14:45 — 17:15 H13
III-V Semiconductors (no Nitrides)

HL 61 14:45 — 17:30 H16
Quantum Dots and Wires: Transport Properties

HL 62 14:45 — 18:30 H17
Gallium Nitride: Optical and Electronic Properties

HL 63 15:00 — 17:45 H1
Symposium SYQS: Quantum Signatures in Magnetism (Joint Session of HL, MA, O and TT, organised by MA)

HL 64 15:00 — 18:30 H11
Focus Session: Semiconductor Heteroepitaxy on Nanopatterned Substrates

HL 65 15:00 — 18:30 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport III

HL 66 15:00 — 17:45 H32
Topological Insulators (Joint Session of DS, HL, O, and TT, organised by MA)

HL 67 18:15 — 20:30 Poster A
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

Crystallography Division (KR)

Session

KR 1 18:00 — 20:00 Poster E
Poster

Magnetism Division (MA)

Invited Talk

MA 30.1 09:30 — 10:00 H33
Spin-orbit torques and charge pumping in crystalline magnets
•*Chiara Ciccarelli*

Sessions

MA 25 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT organised by TT)

MA 26 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT organised by TT)

MA 27 09:30 — 12:50 H25
Focus Session: Skyrmions meet Multiferroicity

MA 28 09:30 — 12:00 H31
Surface Magnetism I (jointly with O)

MA 29 09:30 — 12:15 H32
Spintronics (incl. quantum dynamics) (jointly with HL, TT)

MA 30 09:30 — 13:15 H33
Spin-Torque Phenomena

MA 31 09:30 — 12:45 H34
Magnetization and Demagnetization Dynamics II

MA 32 15:00 — 17:00 H4
Scanning Probe Microsocopy and Spin Phenomena

MA 33 15:00 — 17:30 H31
Surface Magnetism II (jointly with O)

MA 34 15:00 — 17:45 H32
Topological Insulators (jointly with DS, HL, O, TT)

MA 35 15:00 — 18:15 H33
Spin dependent Transport Phenomena

MA 36 15:00 — 18:15 H34
Magnetization and Demagnetization Dynamics III

Microprobes Division (MI)

Invited Talk

MI 3.1 10:00 — 10:45 H5
Laboratory-based X-ray microscopy – Technique and applications
•*Ehrenfried Zschech, Jürgen Gluch, Sven Niese, Kristina Kutukova, Qiong Li*

Sessions

MI 3 10:00 — 12:30 H5
X-ray Imaging, Holography, Ptychography and Tomography

MI 4 15:00 — 15:45 H5
Helium and Neon Ion Microscopy for the Analysis and Structuring on the Nanoscale

MI 5 16:00 — 16:45 H5
Scanning Probe Microscopy

MI 6 17:00 — 17:30 H5
Special Talk: Solid State Characterisation with Positrons

MI 7 18:00 — 20:00 Poster E
Poster: Microanalysis and Microscopy

Metal and Material Physics Division (MM)

Invited Talks, Topical Talks

MM 27.1 09:30 — 10:00 H38
The secret of shear bands
•Harald Rösner

MM 28.1 10:15 — 10:45 H38
In-situ diffraction during complex
•Steven van Petegem, Ainara Irastorza, Antoine Guitton, Manas Upadhyay, Tobias Panzner, Daniel Grolimund, Antonio Cervellino, Helena Van Swygenhoven

MM 33.1 11:45 — 12:15 H38
Deformation mechanisms of grain boundaries in Al and TiAl from atomistic simulations
•Rebecca Janisch

MM 38.1 15:00 — 15:30 H38
Models for adhesion, friction and wear across the scales
•Lars Pastewka, Peter Gumbsch, Michael Moseler, Gianpietro Moras, Anke Peguiron, Mark Robbins

MM 40.1 15:45 — 16:15 H38
Mapping local transient strain fields during in situ TEM deformation
•*Christoph Gammer*

MM 44.1 18:30 — 19:00 H38
Design of ductile Mg alloys based on combined high resolution electron microscopy experiments and ab initio calculations
•*Stefanie Sandlöbes, Martin Friák, Zongrui Pei, Talal Al-Samman, Sandra Korte-Kerzel, Jörg Neugebauer, Dierk Raabe*

MM 45.1 19:00 — 19:30 H38
Computer simulation of bulk-metallic glasses under shear: From inhomogeneous flow patterns to mechanical properties
•*Juergen Horbach, Gaurav Prakash Shrivastav, Pinaki Chaudhuri*

Sessions

MM 27 09:30 — 10:00 H38
Invited talk Rösner

MM 28 10:15 — 11:45 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science II – Atomic structure and defects I

MM 29 10:15 — 11:45 H39
Topical session: Caloric effects in ferroic materials III – Electrocalorics

MM 30 10:15 — 11:30 H52
Structural Materials I

MM 31 10:15 — 11:45 H53
Functional materials I: Supercapacitors and batteries I

MM 32 10:30 — 13:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport II

MM 33 11:45 — 13:15 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science III – Atomic structure and defects II

MM 34 11:45 — 12:45 H39
Topical session: Caloric effects in ferroic materials IV – Heuslers

MM 35 11:45 — 12:45 H52
Structural Materials II

MM 36 11:45 — 13:00 H53
Functional materials II: Batteries II

MM 37 15:00 — 18:30 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport III

MM 38 15:00 — 15:30 H38
Invited talk Pastewka

MM 39 15:00 — 18:15 H40
Biomaterials and Biopolymers I (Joint Session CPP/BP/MM)

MM 40 15:45 — 18:00 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science IV – Atomic structure and defects III

MM 41 15:45 — 18:00 H52
Methods in Computational Materials Modelling I: Ab initio thermodynamics

MM 42 15:45 — 17:30 H53
Functional materials III: Actuators, sensors and functional devices

MM 43 18:15 — 20:30 Poster A
Frontiers of Electronic-Structure Theory: Focus on Topology and Transport

MM 44 18:30 — 19:00 H38
Invited talk Sandloebes

MM 45 19:00 — 19:30 H38
Invited talk Horbach

MM 46 19:45 — 20:45 H38
Annual General Meeting of the Metal and Material Physics Division

Surface Science Division (O)

Invited Talks, Topical Talks

O 50.1 09:30 — 10:15 S054
Shedding light on internal interfaces
•Ulrich Höfer

O 51.1 10:30 — 11:00 S054
Energy level alignment mechanisms at hybrid inorganic/organic semiconductor interfaces
•Norbert Koch

O 53.1 10:30 — 11:00 S052
Insights into Oxygen Evolution Electrocatalysis on Perovskites
•Thomas J. Schmidt

O 53.2 11:00 — 11:30 S052
Using redox agents to enhance the performance of lithium-air batteries and lithium recycling
•Nuria Garcia-Araez

O 53.3 11:30 — 12:00 S052
Probing the Femtosecond Dynamics of the Hydrogen Evolution Reaction on Gold
•R. Kramer Campen, Francois Lapointe, Yujin Tong

O 53.4 12:15 — 12:45 S052
The Electrochemical interface – at the atomic scale
•Jan Rossmeisl

O 53.5 12:45 — 13:15 S052
CO2 Electroreduction over Cu and Au Nanostructured Catalysts: Size, Oxidation State and Interparticle Distance Effects
Hemma Mistry, Rulle Reske, Farzad Behafarid, Ana Sofia Varela, Peter Strasser, •Beatriz Roldan Cuenya

O 58.5 16:00 — 16:30 S054
Thin Films of Metal-Organic Frameworks: Functional, photoswitchable coatings and unique model systems
•Lars Heinke

O 60.1 15:00 — 15:30 S052
First-principles photo-electrocatalysis beyond the computational hydrogen electrode
•Harald Oberhofer

O 62.1 15:00 — 15:30 H24
Topological semimetal phases in strained HgTe-based alloys
Tomáš Rauch, Steven Achilles, •Jürgen Henk, Ingrid Mertig

O 62.2 15:30 — 16:00 H24
Topological surface Fermi arcs and the chiral anomaly in Weyl semimetal materials
•Binghai Yan

O 63.1 15:00 — 15:30 H4
Spin-orbit coupling, magnetic perturbations, and competing trends in topological insulators
•Matthias Bode

O 63.2 15:30 — 16:00 H4
Conductance and shot noise spectroscopy of single magnetic atoms and molecules
•Alexander Weismann

O 63.3 16:00 — 16:30 H4
Manipulating spins in single molecules on a superconductor
•Benjamin W. Heinrich

Sessions

O 50 09:30 — 10:15 S054
Overview Talk: Ulrich Höfer

O 51 10:30 — 13:00 S054
Organic-Inorganic Systems II: Energy Level Alignment

O 52 10:30 — 13:15 S051
Photonics and Nanooptics II: Nonlinear Response

O 53 10:30 — 13:15 S052
Focus Session: Electrocatalytic Energy Harvesting and Conversion

O 54 10:30 — 13:00 S053
2D Materials II: Growth

O 55	10:30 — 13:00	H24
	Frontiers of Electronic Structure Theory: Focus on Topology and Transport II	
O 56	10:30 — 12:30	H4
	Nanostructures: Dots, Particles and Clusters	
O 57	09:30 — 13:00	H16
	Focus Session: Many-body effects in two-dimensional materials	
O 58	15:00 — 18:00	S054
	Organic-Inorganic Systems III: Metal-Organics	
O 59	15:00 — 18:15	S051
	Photonics and Nanooptics III: Fabrication and Characterization	
O 60	15:00 — 18:15	S052
	Chemistry at Solid/Liquid Interfaces	
O 61	15:00 — 18:00	S053
	Graphene II: Adsorption, Intercalation and Doping	
O 62	15:00 — 18:30	H24
	Frontiers of Electronic Structure Theory: Focus on Topology and Transport III	
O 63	15:00 — 17:00	H4
	Scanning Probe Microscopy and Spin Phenomena	
O 64	15:00 — 17:30	H6
	Oxides and Interfaces: Adsorption II	
O 65	14:45 — 18:30	H2
	Organic Photovoltaics and Electronics	
O 66	18:15 — 20:30	Poster A
	Frontiers of Electronic Structure Theory: Focus on Topology and Transport	
O 67	18:15 — 20:30	Poster A
	Theory: General	
O 68	18:15 — 20:30	Poster A
	Nanostructures at Surfaces: 1D, 2D Structures and Networks	

O 69 18:15 — 20:30 Poster A
Nanostructures at Surfaces: Dots, Particles, Clusters

O 70 18:15 — 20:30 Poster A
Nanostructures at Surfaces: Other Aspects

O 71 18:15 — 20:30 Poster A
Scanning Probe Techniques and New Experimental Methods

O 72 18:15 — 20:30 Poster A
Solid-Liquid Interfaces: Reactions and Electrochemistry

O 73 18:15 — 20:30 Poster A
Surface Dynamics: Reactions and Elementary Processes

O 74 18:15 — 20:30 Poster A
Ultrafast Electron and Spin Dynamics at Interfaces

Physics of Socio-economic Systems Division (SOE)

Invited Talk, Topical Talk

SOE 12.1 09:30 — 10:15 H36
Booms, bust and behavioral heterogeneity in stock prices
•*Cars Hommes*

SOE 16.1 15:00 — 15:30 H36
Blackouts from smart meters? Self-organised criticality and collective effects in power networks
•*Stefan Bornholdt*

Sessions

SOE 12 09:30 — 10:15 H36
Behavioral Models for Stock Prices (Invited Talk Cars Hommes)

SOE 13 10:15 — 11:15 H36
Economic Models I

SOE 14 11:15 — 12:15 H36
Financial Markets and Risk Management I

SOE 15 12:15 — 13:15 H36
Economic models II

SOE 16 15:00 — 15:30 H36
Collective Failures in Energy Networks (Topical Talk Stefan Bornholdt)

SOE 17 15:30 — 16:15 H36
Social Systems, Opinion and Group Dynamics: Dynamics of Team and Network Formation

SOE 18 16:15 — 16:45 H36
Social Systems, Opinion and Group Dynamics: Opinions and Innovations

SOE 19 16:45 — 17:30 H36
Financial Markets and Risk Management II

SOE 20 17:30 — 18:15 H36
Economic models III

SOE 21 18:15 — 19:00 H36
Annual General Meeting of the Physics of Socio-economic Systems Division

Low Temperature Physics Division (TT)

Invited Talks

TT 43.11 12:15 — 12:45 H20
Rare-earth-like behavior of transition metals substituted in Li_3N
•Anton Jesche

TT 44.1 09:30 — 10:00 H22
Ultrafast photo-thermoelectric currents in graphene
•Alexander Holleitner

TT 46.6 11:30 — 12:00 H19
On Nematicity, Magnetism and Superconductivity in FeSe
•A. E. Böhmer, K. Kothapalli, W. T. Jayasekara, A. Sapkota, U. Kaluarachchi, E. I. Timmons, P. Das, B. G. Ueland, G. Drachuck, M. Schütt, V. Taufour, M. A. Tanatar, S. L. Bud'ko, Y. Xiao, R. M. Fernandes, R. Prozorov, A. I. Goldman, P. C. Canfield

TT 52.1 15:00 — 15:30 H20
Hund's Metals: a New Road to Strongly Correlated Electron Behavior
•*Gabriel Kotliar*

TT 52.2 15:30 — 16:00 H20
Screened Exchange Dynamical Mean Field Theory
•*Silke Biermann*

TT 52.3 16:00 — 16:30 H20
Dynamical Screening in Correlated Electron Materials
•*Philipp Werner*

TT 52.4 16:45 — 17:15 H20
Lattice stability of correlated electron materials
•*Ivan Leonov*

TT 52.5 17:15 — 17:45 H20
Tin Foil at the Nanometer Scale – from Electronic Correlations to Topological Physics
•*Ralph Claessen*

TT 52.6 17:45 — 18:15 H20
Electron Correlations in Nanosystems and 2D Materials: What's so Different from Bulk?
•*Tim Wehling*

TT 54.7 16:45 — 17:15 H22
Cooling a nanomechanical resonator by electron transport in hybrid devices.
•*Gianluca Rastelli, Pascal Stadler, Wolfgang Belzig*

Sessions

TT 41 09:30 — 13:00 H1
Symposium Topological Insulators: Status Quo and Future Directions (SYTI) (Joint symposium of HL, MA, O and TT organised by TT)

TT 42 09:30 — 13:00 H18
Correlated Electrons: Frustrated Magnets – Cu-based Systems & FeCr

TT 43 09:30 — 13:00 H20
Correlated Electrons: f-Electron & Heavy Fermion Systems

TT 44 09:30 — 13:15 H22
Transport: Graphene (Joint Session of DS, DY, HL, MA, O and TT organised by TT)

TT 45 09:30 — 12:15 H32
Spintronics (incl. Quantum Dynamics) (Joint Session of MA, HL and TT organised by MA)

TT 46 10:00 — 12:45 H19
Superconductivity: Fe-based Superconductors – FeSe

TT 47 10:30 — 13:00 H21
Correlated Electrons: Other Materials

TT 48 10:30 — 13:00 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport II (Joint Session of DS, HL, MA, MM, O and TT organised by O)

TT 49 15:00 — 17:45 H1
Symposium on Quantum Signatures in Magnetism (SYQS) (Joint symposium of HL, MA, O and TT organised by MA)

TT 50 15:00 — 19:15 H18
Correlated Electrons: Frustrated Magnets – Theory

TT 51 15:00 — 19:00 H19
Superconductivity: Tunneling, Josephson Junctions, SQUIDs

TT 52 15:00 — 18:15 H20
Focus Session: Realistic Dynamical Mean-Field Approaches hskip 40mm to Correlated Quantum Materials

TT 53 15:00 — 18:15 H21
Low-Dimensional Systems: 1D – Theory

TT 54 15:00 — 18:15 H22
Transport: Carbon Nanotubes

TT 55 15:00 — 18:30 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport III (Joint Session of DS, HL, MA, MM, O and TT organised by O)

TT 56 15:00 — 18:00 S053
Graphene: Adsorption, Intercalation and Doping (Joint Session of DS, DY, HL, MA, O and TT organised by O)

TT 57 15:00 — 17:45 H32
Topological Insulators (Joint Session of MA, DS, HL, O and TT organised by MA)

TT 58 15:00 — 18:30 Poster D
Transport: Poster Session

TT 59 15:00 — 18:30 Poster D
Low-Dimensional Systems: Poster Session

TT 60 18:15 — 20:30 Poster A
Frontiers of Electronic Structure Theory: Focus on Topology and Transport (Joint Session of DS, HL, MA, MM, O and TT organised by O)

Environmental Physics Division (UP)

Invited Talks

UP 6.1 11:45 — 12:15 H41
Estimating wind energy limits and atmospheric impacts at large scales from climate model simulations and first principles
Lee Miller, •Axel Kleidon

UP 8.1 14:15 — 14:45 H41
Niederschlagsmessung mit Richtfunkstrecken kommerzieller Mobilfunknetzwerke
•Harald Kunstmann, Christian Chwala, Felix Keis

Sessions

UP 5 09:20 — 11:30 H41
AKE und UP: Energiewende und Klimawandel

UP 6 11:45 — 12:45 H41
Additional Topics

UP 7 12:45 — 14:15 H41
Annual General Meeting of the Environmental Physics Division

UP 8 14:15 — 15:15 H41
Hydrosphere, Soil and Agricultural Physics

UP 9 15:15 — 17:15 Foyer H41
Poster Session

UP 10 20:00 — 21:00 H1
Abendvortrag von Prof. Jochem Marotzke

Working Group on Industry and Business (AIW)

Invited Talks

AIW 1.2 10:00 — 10:30 Theater
Schutz von Innovationen – Einführung und Überblick
•*Michael Schramm*

AIW 1.3 10:30 — 11:00 Theater
Die Bedeutung des IP Management für einen Industriekonzern
•*Beat Weibel*

AIW 2.1 11:30 — 12:00 Theater
Innovationsschutz als Geschäftsgrundlage bei und nach der Unternehmensgründung
•*Jürgen Stein*

AIW 2.2 12:00 — 12:30 Theater
Innovation und Kooperation – Erfindungen im Spannungsfeld eines Automobilzulieferers
•*Alexander Waldmann*

AIW 3.1 14:00 — 14:30 Theater
Innovationen, Standards, Technologiewandel – Telekommunikation und Mobilfunk im weltweiten Wettbewerb
•*Thomas Burchardi*

AIW 3.2 14:30 — 15:00 Theater
Innovationen – Von der Strategie zur Umsetzung
•*Philip Wenzel*

Sessions

AIW 1 09:45 — 11:00 Theater
Schutz von Innovationen I

AIW 2 11:30 — 12:30 Theater
Schutz von Innovationen II

AIW 3 14:00 — 15:00 Theater
Schutz von Innovationen III

AIW 4 15:30 — 16:30 Theater
Podiumsdiskussion

AIW 5 16:30 — 17:30 Theater
Gemütlicher Ausklang mit Networking bei Bier & Brezn

Working Group on Energy (AKE)

Invited Talks

AKE 13.1 09:30 — 10:00 H41
Globale Klimavariabilität im Industriezeitalter – Phänomene und Ursachen
•*Christian-Dietrich Schönwiese*

AKE 13.2 10:00 — 10:30 H41
The 2°C climate policy goal: Chances & Challenges
•*Hermann Held*

AKE 13.3 10:30 — 11:00 H41
How regional climate interacts with wind power generation
•*Robert Vautard*

AKE 13.4 11:00 — 11:30 H41
Offshore-Windenergienutzung - Chancen, Herausforderungen und Auswirkungen aus meteorologischer Sicht
•*Stefan Emeis*

Session

AKE 13 09:20 — 11:30 H41
Energiewende und Klimawandel (with UP)

Working Group on Physics and Disarmament (AGA)

Invited Talk

AGA 1.1 15:00 — 16:00 H3
Nuclear Verification in Iran
•*Tariq Rauf*

Sessions

AGA 1 15:00 — 16:30 H3
Iran – Technology and Nuclear Diplomacy

AGA 2 16:30 — 17:30 H3
Seismic and Accoustic Modeling for Verification

Exhibition of Scientific Instruments and Literature

09:00 — 17:00 FA, Bldg. Wirtschaft/Recht, H6, Z

“Role models“-Exhibition

09:00 — 19:00 Foyer Central Library

„Places&Spaces“-Exhibition

09:00 — 19:00 Foyer Central Library

Job Market

12:00 — 13:00 Kunsthalle
Scienta Omicron GmbH: „Arbeiten bei Scienta Omicron GmbH“

13:15 — 14:15 Kunsthalle
Forschungszentrum Jülich GmbH: „Karrieremöglichkeiten im Forschungszentrum Jülich – Physik und mehr...“

Max-von-Laue-Lecture

PV XVII 18:00 — 19:00 H1
Nuclear Energy: Practical Realities and Significant Challenges
•*Allison Macfarlane*

Public Evening Talk (Free Entrance)

PV XVIII 20:00 — 21:00 H1
Vorhersagen sind schwierig ... Möglichkeiten und Grenzen von Klimamodellen
•*Jochem Marotzke*

Thursday, March 10, 2016

Plenary Talks, Prize Talks, Special Talk

PV XIX 08:30 — 09:15 H1
Many body methods for materials: current status and future developments
•*Georg Kresse*

PV XX 13:15 — 13:45 H1
Morphometrie materieller Strukturen
•*Herbert Wagner*
(Laureate of the Max-Planck-Medal)

PV XXI 13:15 — 13:45 H15
Microscopic view on ultrafast carrier dynamics in graphene
•*Ermin Malic*
(Laureate of the Walter-Schottky-Prize)

PV XXII 13:15 — 13:45 H2
What really matters – Einflussfaktoren auf den beruflichen Erfolg von Physikerinnen und Physikern
•*Bettina Langfeldt*

PV XXIII 14:00 — 14:45 H1
The future of computing
•*Michelle Y Simmons*

PV XXIV 14:00 — 14:45 H15
Single-Molecule Spectroscopy of Biomolecular Dynamics at the Nanoscale
•*Ben Schuler*

Symposium Anomalous Diffusion in Complex Environments (SYAD)

Invited Talks

SYAD 1.1 15:00 — 15:30 H15
Phenomenology of Collective Chemotaxis in Artificial and Living Active Matter
•*Ramin Golestanian*

SYAD 1.2 15:30 — 16:00 H15
First-passage times of Markovian and non Markovian random walks in confinement
•*Raphael Voituriez*

SYAD 1.3 16:00 — 16:30 H15
Cytoskeleton organization as an optimized, spatially inhomogeneous intermittent search strategy
•Heiko Rieger, Yannick Schröder, Karsten Schwarz

SYAD 1.4 16:45 — 17:15 H15
Ergodicity violation and ageing in living biological cells
•Ralf Metzler

SYAD 1.5 17:15 — 17:45 H15
Anomalous diffusion within cells
Sarah Klein, •Cecile Appert-Rolland, Ludger Santen

Sessions

SYAD 1 15:00 — 17:45 H15
Anomalous Diffusion in Complex Environments

SYAD 3 11:30 — 13:00 H45
BP Focus Session: Anomalous Diffusion in Complex Environments

Symposium Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES)

Sessions

SYES 6 10:30 — 13:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV

SYES 7 15:00 — 18:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport V

Symposium Scientometric Maps and Dynamic Models of Science and Scientific Collaboration Networks (SYSM)

Invited Talks

SYSM 1.1 09:30 — 10:00 H1
Science Forecasts: Measuring, Predicting, and Communicating Scientific Developments
•Katy Börner

SYSM 1.2 10:00 — 10:30 H1
Mapping science with variable-order Markov dynamics reveal overlapping fields and multi-disciplinary journals
•*Martin Rosvall*

SYSM 1.3 10:30 — 11:00 H1
Network algorithms for reputation and quality in scholarly data
•*Matúš Medo, Manuel Mariani, Yi-Cheng Zhang*

SYSM 1.4 11:15 — 11:45 H1
Modeling scientific networks in social media
•*Cassidy Sugimoto*

SYSM 1.5 11:45 — 12:15 H1
Modeling scientific collaboration across multiple scales: from individuals to Europe
•*Alexander Petersen*

Session

SYSM 1 09:30 — 12:15 H1
Scientometric Maps and Models of Science and Scientific Collaboration Networks

Biological Physics Division (BP)

Invited Talks

BP 57.1 09:30 — 10:00 H43
Monolayer curvature induced nanoscale structures in lipid membranes
•*Friederike Schmid*

BP 58.1 09:30 — 10:00 H44
Cytoskeletal coordination
•*Gijsje Koenderink*

BP 58.8 11:45 — 12:15 H44
Single molecule studies on myosin motors
•*Claudia Veigel*

BP 59.1 09:30 — 10:00 H45
RNA-based gene circuits in vitro and in vivo
•*Friedrich Simmel*

BP 65.1 15:00 — 15:30 H43
Design features of a membrane-assisted protein oscillator
•*Petra Schwille*

Sessions

BP 55 09:30 — 12:15 H1
Symposium – Scientometric Maps and Dynamic Models of Science and Scientific Collaboration Networks (SYSM)

BP 56 09:30 — 12:45 H37
The Physics of Water Interactions with Biological Matter (Joint Focus Session with CPP)

BP 57 09:30 — 12:45 H43
Membranes and Vesicles I

BP 58 09:30 — 13:00 H44
Cytoskeletal Filaments

BP 59 09:30 — 11:00 H45
DNA, RNA and Related Enzymes

BP 60 09:30 — 13:00 H46
Pattern Formation (Joint Session with DY)

BP 61 11:30 — 13:00 H45
Anomalous Diffusion in Complex Environments (Focus Session)

BP 62 11:45 — 13:00 H52
Biomaterials and Biopolymers II (Joint Session MM/CPP/BP)

BP 63 14:00 — 14:45 H15
Plenary Talk of Ben Schuler

BP 64 15:00 — 17:45 H15
Symposium – Anomalous Diffusion in Complex Environments (SYAD)

BP 65 15:00 — 16:15 H43
Membranes and Vesicles II

BP 66 15:00 — 16:15 H45
Biomaterials and Biopolymers III (Joint Session BP/CPP/MM)

BP 67 15:30 — 17:00 H47
Networks: From Topology to Dynamics III
(Joint Session DY/SOE/BP)

BP 68 16:45 — 17:45 H43
Networks – From Topology to Dynamics IV
(Joint Session BP/SOE/DY)

Chemical and Polymer Physics Division (CPP)

Invited Talks

CPP 48.1 09:30 — 10:00 H37
It is water what matters: THz absorption spectroscopy as a new tool to study solvation dynamics
•*Martina Havenith*

CPP 48.3 10:15 — 10:45 H37
Dielectric and diffusional aspects of hydration water
•*Roland Netz, Matej Kanduc*

CPP 48.5 11:15 — 11:45 H37
Neutron scattering clarifies the behaviour of water in cells
•*Giuseppe Zaccai*

CPP 48.7 12:00 — 12:30 H37
Controlling Water Evaporation: self-assembly at air/liquid interfaces
•*Emma Sparr, Kevin Roger*

CPP 49.1 09:30 — 10:00 H40
Patterned organic ferroelectric memory diodes by solution micromolding
•*Paul Blom, Thomas Lenz, Simon Benneckendorf, Kamal Asadi, Dago de Leeuw*

CPP 50.1 09:30 — 10:00 H42
Provoking liquids to dewet and to slide: About concave drops and hungry droplets
•*Karin Jacobs*

CPP 52.1 09:30 — 10:00 H51
Synthesis of 2D polymers
•*Dieter A. Schlüter*

CPP 52.2 10:00 — 10:30 H51
Carbon nanomembranes as a platform for engineering of functional 2D materials
•Andrey Turchanin

CPP 60.1 15:00 — 15:30 H51
Evolution of mono- and bilayer graphene in chemical vapor deposition and the thinnest feasible porous membranes for ultimate mass transport
•Hyung Gyu Park

CPP 61.1 16:15 — 16:45 H51
Tuning of ordering in colloidal suspensions confined in thin films
Sebastian Schön, Yan Zeng, Sabine Klapp, •Regine von Klitzing

Sessions

CPP 48 09:30 — 12:45 H37
Focus: The Physics of Water Interactions with Biological Matter (Joint Session BP/CPP, organised by CPP)

CPP 49 09:30 — 12:45 H40
Organic Electronics and Photovoltaics II (Joint Session CPP/DS/HL/O, organised by CPP)

CPP 50 09:30 — 12:45 H42
Wetting, Nano- and Microfluidics I (Joint Session CPP/DY, organised by CPP)

CPP 51 09:30 — 13:00 H48
Glasses (Joint Session CPP/DY, organised by DY)

CPP 52 09:30 — 12:30 H51
Focus: Two Dimensional Functional Materials I

CPP 53 11:45 — 13:00 H52
Biomaterials and Biopolymers II (Joint Session BP/CPP/MM, organised by MM)

CPP 54 14:45 — 18:30 H2
Hybrid and Perovskite Photovoltaics IV (Joint Session CPP/DF/DS/HL, organised by HL)

CPP 55 15:00 — 17:45 H15
Symposium SYAD: Anomalous Diffusion in Complex Environments (BP/CPP/DY, organised by BP)

CPP 56 15:00 — 18:00 S051
Organic-Inorganic Systems III: Electronic Structure (organised by O)

CPP 57 15:00 — 18:30 H40
Polymer Dynamics and Rheology (Joint Session CPP/DY, organised by CPP)

CPP 58 15:00 — 16:45 H42
Wetting, Nano- and Microfluidics II (Joint Session CPP/DY, organised by CPP)

CPP 59 15:00 — 16:15 H45
Biomaterials and Biopolymers III (Joint Session BP/CPP/MM, organised by BP)

CPP 60 15:00 — 16:00 H51
Focus: Two Dimensional Functional Materials II

CPP 61 16:15 — 18:15 H51
Interfaces and Thin Films I (Joint Session CPP/DY, organised by CPP)

19:00 — 19:30 H51
Annual General Meeting of the Chemical and Polymer Physics Division

Dielectric Solids Division (DF)

Sessions

DF 12 09:30 — 12:50 H25
Multiferroics I (DF with MA)

DF 13 09:30 — 12:30 H26
Nano- and microstructured dielectrics/thin films (DF with KR)

DF 14 15:00 — 17:30 H34
Multiferroics II (MA with DF)

DF 15 15:00 — 15:40 H26
Ceramics and Applications (DF with KR)

DF 16 15:40 — 17:00 H26
Crystallography in Materials Science (KR with DF, MI)

17:30 — 18:00 H25
Annual General Meeting
of the Dielectric Solids Division

Thin Films Division (DS)

Topical Talks

DS 40.1 09:30 — 10:15 H11
Oxide semiconductors: materials design and applications
•Hideo Hosono

DS 40.2 10:15 — 10:45 H11
Mixing In and Ga sesquioxides – and their polar phases
•Vincenzo Fiorentini

DS 40.3 10:45 — 11:15 H11
Exploring and tailoring conductance phenomena in oxide films: An STM study
•Niklas Nilius

DS 40.4 11:30 — 12:00 H11
Miscibility and phase separation in $(In_xGa_{1-x})_2O_3$
•Martin Albrecht, Robert Schewski, Toni Markurt, Tobias Schulz, Michele Baldini, Günter Wagner, Holger von Wenckstern, Marius Grundmann, Hartwin Peelaers, Joel Varley, Chris Van de Walle

DS 47.1 15:00 — 15:30 H8
Bright and dark excitons in transition metal dichalcogenide monolayers
Cedric Robert, Gang Wang, Aslihan Suslu, Bin Chen, Sije Yang, Sarah Alamdari, Iann Gerber, Thierry Amand, Sef Tongay, Bernhard Urbaszek, •Xavier Marie

DS 47.2 15:30 — 16:00 H8
Exciton fine structure in transition-metal dichalcogenides monolayers
•Mikhail Glazov

DS 47.3 16:00 — 16:30 H8
Photonics and polaritonics with van der Waals heterostructures
•Alexander Tartakovskii

DS 47.4 16:30 — 17:00 H8
van der Waals Epitaxy of 2D materials
•Sefaattin Tongay

Sessions

DS 39 09:30 — 11:00 H8
Resistive Effects I

DS 40 09:30 — 13:15 H11
Focussed Session: Oxide Semiconductors for Device and Energy Applications I (Joint Session of DS and HL, organised by DS)

DS 41 09:30 — 13:00 H23
Transport: Molecular Electronics and Photonics I (Joint Session of CPP, DS, HL, MA, O and TT, organised by TT)

DS 42 09:30 — 12:45 H40
Organic Electronics and Photovoltaics II (Joint Session of CPP, DS, HL and O, organised by CPP)

DS 43 10:30 — 13:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV (Joint Session of DS and O, organised by O)

DS 44 11:15 — 13:15 H8
Physics and Application of Emergent 2D-semiconductors and their Heterostructures I (Joint Session of DS and HL, organised by DS)

DS 45 14:45 — 18:30 H2
Hybrid and Perovskite Photovoltaics IV (Joint Session of CPP, DF, DS and HL, organised by HL)

DS 46 14:45 — 17:15 H10
Topological Insulators I (Joint Session of DS and HL, organised by HL)

DS 47 15:00 — 17:00 H8
Focussed Session: Physics and Application of Emergent 2D-semiconductors and their Heterostructures II (Joint Session of DS and HL, organised by DS)

DS 48 15:00 — 16:45 H11
Oxide Semiconductors for Device and Energy Applications II (Joint Session of DS and HL, organised by DS)

DS 49 15:00 — 16:00 H23
Transport: Molecular Electronics and Photonics II (Joint Session of CPP, DS, HL, MA, O and TT, organised by TT)

DS 50 15:00 — 18:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport V (Joint Session of DS and O, organised by O)

DS 51 16:15 — 18:30 H23
Transport: Spintronics and Magnetotransport (Joint Session of DS, HL, MA and TT, organised by TT)

DS 52 17:00 — 18:15 H11
Ion and Electron Beam Induced Processes

DS 53 16:00 — 19:00 Poster A
Postersession DS/HL

Dynamics and Statistical Physics Division (DY)

Invited Talks

DY 49.1 09:30 — 10:00 H46
Patterns formation through elastic instabilities, from thin sheets to twisted ribbons
•*Pascal Damman*

DY 50.1 09:30 — 10:00 H48
A new look at atomic tunneling systems in glasses containing isotopes with nuclear quadrupol moments
•*Andreas Reiser*

DY 54.1 15:00 — 15:30 H20
Between Localization and Ergodicity in Quantum Systems
•*Boris Altshuler*

DY 54.2 15:30 — 16:00 H20
Canonical description of short-range interacting few-body quantum systems
•Quirin Hummel, Benjamin Geiger, Juan Diego Urbina, Klaus Richter

DY 54.3 16:00 — 16:30 H20
One, Two, Three, Many: Manipulating Quantum Systems One Atom at a Time
•Selim Jochim

DY 54.4 16:45 — 17:15 H20
Statistical Signatures of Many-Particle Interference
•Mattia Walschaers

DY 54.5 17:15 — 17:45 H20
Boson sampling with integrated quantum photonics
•Fabio Sciarrino

DY 57.1 15:00 — 15:30 H46
The Transition to the Ultimate State in Turbulent Thermal Convection
•Eberhard Bodenschatz

Sessions

DY 47 09:30 — 12:15 H1
Scientometric Maps and Dynamic Models of Science and Scientific Collaboration Networks (SYSM)

DY 48 09:30 — 12:45 H42
Wetting, Nano- and Microfluidics I (Joint Session CPP/DY)

DY 49 09:30 — 13:00 H46
Pattern Formation (Joint Session DY/BP)

DY 50 09:30 — 13:00 H48
Glasses

DY 51 10:00 — 11:15 H47
Delay and feedback Dynamics

DY 52 11:30 — 12:45 H47
Extreme events

DY 53 15:00 — 17:45 H15
Anomalous Diffusion in Complex Environments (Joint Session BP/CPP/DY)

DY 54 15:00 — 17:45 H20
Focus Session: Many-Body Interference and Quantum Statistical Physics (Joint Session DY/TT)

DY 55 15:00 — 18:30 H40
Polymer Dynamics and Rheology (Joint Session CPP/DY, organised by CPP)

DY 56 15:00 — 16:45 H42
Wetting, Nano- and Microfluidics II (Joint Session CPP/DY)

DY 57 15:00 — 18:45 H46
Focus Session: Turbulence – From Pattern Formation to Stochastic Disorder

DY 58 15:30 — 17:00 H47
Networks: From Topology to Dynamics III (Joint Session DY/BP/SOE)

DY 59 16:45 — 17:45 H43
Networks: From Topology to Dynamics IV (Joint Session BP/SOE/DY)

19:00 — 20:00 H47
Annual General Meeting of the Dynamics and Statistical Physics Division

Semiconductor Physics Division (HL)

Invited Talks

HL 68.1 09:30 — 10:00 H10
Modifications of material and chemical properties of organic molecules driven by QED phenomena
•Francisco Garcia-Vidal

HL 72.1 09:30 — 10:00 H16
Group IV alloys: New tricks with Silicon
•Detlev Grützmacher

HL 72.4 10:30 — 11:00 H16
SiGe heterostructures for photonics interconnects
•Giovanni Isella, Jacopo Frigerio, Andrea Ballabio, Daniel Chrastina, Vladyslav Vakarin, Papichaya Chaisakul, Laurent Vivien, Delphine Marris-Morini

HL 83.1 14:45 — 15:15 H16
Electronic properties and applications of functionalized wide gap semiconductors
•Martin Stutzmann

HL 84.1 14:45 — 15:15 H17
Resonant plasmonic nanoantennas for mid-infrared spectroscopy and sensing
•Frank Neubrech, Harald Giessen

Sessions

HL 68 09:30 — 12:30 H10
Metal-Semiconductor Hybrids

HL 69 09:30 — 13:15 H11
Focussed Session: Oxide Semiconductors for Device and Energy Applications 1

HL 70 09:30 — 13:00 H13
Semiconductor Lasers I

HL 71 09:30 — 13:00 H15
Quantum Dots and Wires: Optical Properties

HL 72 09:30 — 12:45 H16
Focus Session: Functionalization of Semiconductors I

HL 73 09:30 — 13:15 H17
Heterostructures and Interfaces (Joint Session of HL and O, organised by HL)

HL 74 09:30 — 13:00 H23
Transport: Molecular Electronics and Photonics 1 (Joint Session of CPP, DS, HL, MA, O and TT, organised by TT)

HL 75 09:30 — 12:45 H40
Organic Electronics and Photovoltaics II (Joint Session of CPP, DS, HL and O, organised by CPP)

HL 76 10:30 — 13:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV

HL 77 10:30 — 12:45 S053
Graphene III: Electronic Properties

HL 78 10:30 — 13:30 S054
2D Materials beyond Graphene: Dynamics and Excitation

HL 79 11:15 — 13:15 H8
Focus Session: Physics and Application of Emergent 2D-semiconductors and their Heterostructures 1

HL 80 14:45 — 18:30 H2
Hybrid and Perovskite Photovoltaics IV (Joint Session of CPP, DF, DS and HL, organised by HL)

HL 81 14:45 — 17:15 H10
Topological Insulators I (Joint Session of DS, HL, O and TT, organised by HL)

HL 82 14:45 — 15:30 H13
Semiconductor Lasers II

HL 83 14:45 — 17:15 H16
Focus Session: Functionalization of Semiconductors II

HL 84 14:45 — 17:30 H17
Novel Functional Materials I

HL 85 15:00 — 17:00 H8
Focus Session: Physics and Application of Emergent 2D-semiconductors and their Heterostructures 2

HL 86 15:00 — 16:45 H11
Oxide Semiconductors for Device and Energy Applications 2

HL 87 15:00 — 16:00 H23
Transport: Molecular Electronics and Photonics 2 (Joint Session of CPP, DS, HL, MA, O and TT, organised by TT)

HL 88 15:00 — 18:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport V

HL 89 16:00 — 17:45 H13
Quantum Dots and Wires: Lasing

HL 90 16:00 — 19:00 Poster A
Poster III

HL 91 16:00 — 19:00 Poster A
Poster IIIb (Joint Session of DS and HL, organised by HL)

HL 92 16:00 — 19:00 Poster A
Postersession DS/HL

HL 93 16:15 — 18:30 H23
Transport: Spintronics and Magnetotransport (Joint Session of DS, HL, MA and TT, organised by TT)

18:00 — 19:00 H13
Annual General Meeting
of the Semiconductor Physics Division

Crystallography Division (KR)

Sessions

KR 2 09:30 — 12:30 H26
Nano- and microstructured dielectrics / thin films (DF, KR)

KR 3 15:00 — 15:40 H26
Ceramics and Applications (DF, KR)

KR 4 15:40 — 17:00 H26
Crystallography in Materials Science (KR, DF, MI)

KR 5 17:20 — 18:00 H26
Annual General Meeting
of the Crystallography Division

Magnetism Division (MA)

Invited Talks

MA 40.1 09:30 — 10:00 H32
Sub-cycle terahertz electronics and magnonics: control and nanoscopy
•Rupert Huber

MA 40.2 10:00 — 10:30 H32
Probing and controlling ultrafast magnetism with terahertz electromagnetic pulses
•Tobias Kampfrath

MA 40.3 10:45 — 11:15 H32
THz Spintronics: Magnetotransport and Magnonics
•Zuanming Jin, Mathias Kläui, Tobias Kampfrath, Guohong Ma, Mischa Bonn, Dmitry Turchinovich

MA 40.4 11:15 — 11:45 H32
Precessional spin motion and magnetization quenching induced by intense Terahertz pulses
•Christoph Hauri

MA 45.1 15:00 — 15:30 H32
Charge carrier scattering and electronic transport in graphene
•Mikhail Katsnelson

MA 45.2 15:30 — 16:00 H32
Electrons in disordered systems: extensions to the coherent potential approximation for short- and long-ranged order effects
•Julie Staunton, Alberto Marmodoro, Arthur Ernst

MA 45.3 16:15 — 16:45 H32
Percolation and other models for quenched disorder in materials, and some consequences of this disorder on physical properties.
•Kurt Binder

MA 45.4 16:45 — 17:15 H32
The Impact of Disorder on Transport in crystalline Phase Change Materials
•Matthias Wuttig

MA 46.1 15:00 — 15:30 H33
Advanced magneto-optical microscopy: Magnetoelectric sensors, spin-waves, and beyond
•Jeffrey McCord, Necdet Onur Urs, Mikhail Kustov, Babak Mozooni, Cai Müller, Matic Klug, Volker Röbisch, Patrick Hayes, Dirk Meyners, Eckhard Quandt, Roland Mattheis, Robin John, Markus Münzenberg

Sessions

MA 37 09:30 — 13:00 H23
Transport: Molecular Electronics and Photonics 1 (Joint Session of CPP, DS, HL, MA, O and TT organised by TT)

MA 38 09:30 — 12:50 H25
Multiferroics I (DF with MA)

MA 39 09:30 — 13:15 H31
Magnetic Particles

MA 40 09:30 — 11:45 H32
Focus: Terahertz radiation and magnetism

MA 41 09:30 — 12:00 H33
Magnetic Coupling Phenomena

MA 42 09:30 — 12:30 H34
Magnetic Heuslers, Half-Metals and Oxides (jointly with TT)

MA 43 15:00 — 16:00 H23
Transport: Molecular Electronics and Photonics 2 (Joint Session of CPP, DS, HL, MA, O and TT organised by TT)

MA 44 15:00 — 18:00 H31
Spininjection / Spin currents in heterostructures

MA 45 15:00 — 17:15 H32
Focus: Disorder Engineering as a Tool for Material Science

MA 46 15:00 — 18:30 H33
Magnetic Measurement Methods

MA 47 15:00 — 17:30 H34
Multiferroics II (jointly with DF, KR, TT)

MA 48 15:00 — 18:00 Poster B1
Poster Session II

MA 49 16:15 — 18:30 H23
Transport: Spintronics and Magnetotransport (Joint Session of DS, HL, MA and TT organised by TT)

MA 50 18:30 — 19:30 H32
Annual General Meeting of the Magnetism Division

Microprobes Division (MI)

Session

MI 8 15:40 — 17:00 H26
Crystallography in Materials Science (KR, DF, MI)

18:00 — 19:00 H5
Annual General Meeting
of the Microprobes Division

Metal and Material Physics Division (MM)

Invited Talks, Topical Talk

MM 47.1 09:30 — 10:00 H38
Nondestructive micro/nanostructure analysis using diffraction
•*Matteo Leoni*

MM 48.1 10:15 — 10:45 H38
In-situ TEM Switching of Non-volatile Memory Devices
•*Sang Ho Oh*

MM 57.1 15:00 — 15:30 H38
Virtual diffraction as a tool to investigate nanostructured materials
•*Jürgen Markmann*

Sessions

MM 47 09:30 — 10:00 H38
Invited talk Leoni

MM 48 10:15 — 11:45 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science V – Biological and Electronic Materials

MM 49 10:15 — 11:30 H39
Nanomaterials II: Synthesis

MM 50 10:15 — 11:45 H53
Methods in Computational Materials Modelling II: Microstructure evolution

MM 51 10:30 — 13:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV

MM 52 11:45 — 13:15 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science VI – Structural transitions

MM 53 11:45 — 13:00 H39
Microstructure and Phase Transformations II

MM 54 11:45 — 13:00 H52
Biomaterials and Biopolymers II (Joint CPP/BP/MM)

MM 55 11:45 — 13:00 H53
Methods in Computational Materials Modelling III: Machine learning and statistics

MM 56 15:00 — 18:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport V

MM 57 15:00 — 15:30 H38
Invited talk Markmann

MM 58 15:00 — 16:15 H45
Biomaterials and Biopolymers III (Joint Session with CPP/BP/MM)

MM 59 15:45 — 18:30 H38
Topical session: In-situ Microscopy with Electrons, X-Rays and Scanning Probes in Materials Science VII – Nanomaterials

MM 60 15:45 — 17:00 H39
Microstructure and Phase Transformations III

MM 61 15:45 — 16:45 H52
Functional materials IV: Batteries III

MM 62 15:45 — 17:45 H53
Methods in Computational Materials Modelling IV: Method development

Invited Talks, Topical Talks

O 75.1 09:30 — 10:15 S054
Ternary oxides with the perovskite structure exhibit an intriguingly rich variety in their physical and chemical properties.
•Ulrike Diebold

O 76.1 10:30 — 11:00 S054
Spin- and Pseudospin-Polarized Excited States in bulk WSe_2
Roman Bertoni, Christopher Nicholson, Lutz Waldecker, Michele Puppin, Claude Monney, Cephise Cacho, Hannes Huebener, Umberto De Giovannini, Angel Rubio, Martin Wolf, •Ralph Ernstorfer

O 77.1 10:30 — 11:00 S051
The first single atom magnet
•Fabio Donati, Stefano Rusponi, Sebastian Stepanow, Christan Wäckerlin, Aparajita Singha, Luca Persichetti, Romana Baltic, Katharina Diller, Edgar Fernandes, François Patthey, Jan Dreiser, Željko Šljivançanin, Kurt Kummer, Corneliu Nistor, Pietro Gambardella, Harald Brune

O 77.2 11:00 — 11:30 S051
When Electron Acceptors Donate Charge: Molecular Orbitals vs Hybrid Bands at Inorganic/Organic Interfaces
•Oliver T. Hofmann, Patrick Rinke, Matthias Scheffler, Georg Heimel

O 77.3 11:30 — 12:00 S051
Direct observation of H-bond dynamics using scanning tunneling microscopy
•Takashi Kumagai

O 77.4 12:00 — 12:30 S051
Visualizing topological states of matter and their interaction with perturbations using local probes
•Paolo Sessi

O 77.5 12:30 — 13:00 S051
Surface Chemistry of Oxygen and Water on Anatase TiO_2 (101)
•Martin Setvin, Ulrich Aschauer, Jan Hulva, Michael Schmid, Annabella Selloni, Ulrike Diebold

O 80.1 10:30 — 11:00 H24
Transport phenomena in broken-symmetry metals: Geometry, topology, and beyond
•*Ivo Souza*

O 80.2 11:00 — 11:30 H24
Dirac Fermions in Antiferromagnetic Semimetal
•*Peizhe Tang, Quan Zhou, Gang Xu, Shou-Cheng Zhang*

O 81.1 10:30 — 11:00 H4
Imaging orbitals and defects in superconducting FeSe/$SrTiO_3$
•*Jennifer Hoffman, Dennis Huang, Tatiana Webb, Shiang Feng, Can-Li Song, Cui-Zu Chang, Jagadeesh Moodera, Efthimios Kaxiras*

O 84.1 15:00 — 15:30 S054
Radio frequency STM on molecular resonators
•*Stefan Müllegger*

O 85.1 15:00 — 15:30 S051
Electrostatic Design of Organic Materials and Hybrid Interfaces
•*Egbert Zojer*

O 87.3 15:30 — 16:00 S053
Heteroatom-doped Molecular Nanostructures on Surfaces
•*Sabine Maier*

O 89.5 16:00 — 16:30 H4
The growth and decay of oxide quasicrystals
•*Stefan Förster, Jan Ingo Flege, Eva Maria Zollner, Florian Schumann, Klaus Meinel, Jens Falta, Wolf Widdra*

Sessions

O 75 09:30 — 10:15 S054
Overview Talk: Ulrike Diebold

O 76 10:30 — 13:30 S054
2D Materials beyond Graphene: Dynamics and Excitation

O 77 10:30 — 13:00 S051
Gerhard Ertl Young Investigator Award

O 78	10:30 — 13:00	S052 Nanostructures at Surfaces IV: Various Aspects
O 79	10:30 — 12:45	S053 Graphene III: Electronic Properties
O 80	10:30 — 13:15	H24 Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV
O 81	10:30 — 13:30	H4 Oxides and Insulator Surfaces I
O 82	10:30 — 13:00	H6 Structure of Solid/Liquid Interfaces I
O 83	09:30 — 13:15	H17 Heterostructures and Interfaces
O 84	15:00 — 18:15	S054 Scanning Probe Techniques: Method Developments
O 85	15:00 — 18:00	S051 Organic-Inorganic Systems IV: Electronic Structure
O 86	15:00 — 18:00	S052 Ultrafast Surface Dynamics I
O 87	15:00 — 18:15	S053 Metal Substrates: Structure, Epitaxy and Growth
O 88	15:00 — 18:15	H24 Frontiers of Electronic Structure Theory: Focus on Topology and Transport V
O 89	15:00 — 18:30	H4 Oxides and Insulator Surfaces II
O 90	14:45 — 17:15	H10 Topological Insulators I
O 91	19:00 — 19:30	H1 Annual General Meeting of the Surface Science Division
O 92	19:30 — 20:30	H1 Post-Deadline Session

Physics of Socio-economic Systems Division (SOE)

Sessions

SOE 22 09:30 — 12:15 H1
Scientometric Maps and Models of Science and Scientific Collaboration Networks (Symposium SYSM, joint SOE / DY / BP / jDPG)

SOE 23 12:30 — 13:00 Bibliothek Foyer
Places and Spaces – Exhibition of Maps of Science

SOE 24 15:00 — 16:30 H36
Scientometric maps and dynamical models of scientific collaboration networks (accompanying symposium SYSM)

SOE 25 16:45 — 17:45 H43
Networks: From Topology to Dynamics (Joint Session BP / SOE / DY)

SOE 26 15:30 — 17:00 H47
Networks: From Topology to Dynamics (Joint Session DY / SOE / BP)

Low Temperature Physics Division (TT)

Invited Talks

TT 62.1 09:30 — 10:00 H20
Conventional high temperature superconductivity: from A15 to MgB_2 to H_3S
•Igor Mazin

TT 62.2 10:00 — 10:30 H20
Conventional superconductivity at 203 K at high pressures
Alexander Drozdov, •Mikhail Eremets, Ivan Troyan, Vadim Ksenofontov, Sergii Shylin

TT 62.3 10:30 — 11:00 H20
Crystal Structure of 200 K-Superconducting Phase in Sulfur Hydride System
•Mari Einaga, Masafumi Sakata, Takahiro Ishikawa, Katsuya Shimizu, Mikhail Eremets, Alexander Drozdov, Ivan Troyan, Naohisa Hirao, Yasuo Ohishi

TT 62.4 11:15 — 11:45 H20
Strong-Coupling Electron-Phonon Superconductivity in H_3S
•Warren E. Pickett, Yundi Quan

TT 62.5 11:45 — 12:15 H20
High-pressure phases of S, Se, and P hydrides and their superconducting properties: Predictions from ab-initio theory
•E. K. U. Gross

TT 62.6 12:15 — 12:45 H20
New sulfur hydride H_3S and excellent superconductivity at high
•Tian Cui

TT 73.7 16:45 — 17:15 H19
Imaging currents in 2D quantum materials
•Katja Nowack

TT 81.1 16:15 — 16:45 H23
Non-Abelian gauge theory description of (dynamical) spin-orbit coupling effects in Fermi gases.
•Cosimo Gorini

Sessions

TT 61 09:30 — 13:00 H18
Correlated Electrons: (General) Theory 1

TT 62 09:30 — 12:45 H20
Focus Session: High Temperature Superconductivity in Hydrides

TT 63 09:30 — 13:00 H21
Low-Dimensional Systems: 2D – Theory

TT 64 09:30 — 13:00 H22
Correlated Electrons: Nonequilibrium Quantum Many-Body Systems 1

TT 65 09:30 — 13:00 H23
Transport: Molecular Electronics and Photonics 1 (Joint Session of CPP, DS, HL, MA, O and TT organised by TT)

TT 66 09:30 — 12:30 H34
Magnetic Heusler Materials, Semimetals und Oxides (Joint Session of MA and TT organised by MA)

TT 67 10:30 — 13:30 H4
Oxides and Insulator Surfaces: Structure, Epitaxy and Growth (Joint Session of O and TT organised by O)

TT 68 10:30 — 13:00 H19
Transport: Majorana Fermions

TT 69 10:30 — 13:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport IV (Joint Session of DS, HL, MA, MM, O and TT organised by O)

TT 70 10:30 — 12:45 S053
Graphene: Electronic Properties (Joint Session of DS, DY, HL, MA, O and TT organised by O)

TT 71 10:30 — 13:30 S054
2D Materials beyond Graphene-Dynamics and Excitation (Joint Session of DS, DY, HL, MA, O and TT organised by O)

TT 72 14:45 — 17:15 H10
Topological Insulators I (Joint Session of DS, HL, MA, O and TT organised by HL)

TT 73 15:00 — 18:00 H19
Low-Dimensional Systems: Topological Order

TT 74 15:00 — 17:45 H20
Focus Session: Many-Body Interference and Quantum Statistical Physics (Joint Session of DY and TT organised by DY)

TT 75 15:00 — 16:00 H23
Transport: Molecular Electronics and Photonics 2 (Joint Session of CPP, DS, HL, MA, O and TT organised by TT)

TT 76 15:00 — 18:15 H24
Frontiers of Electronic Structure Theory: Focus on Topology and Transport V (Joint Session of DS, HL, MA, MM, O and TT organised by O)

TT 77 15:00 — 17:30 H34
Multiferroics (Joint Session of MA, DF, DS, KR and TT organised by MA)

TT 78 15:00 — 18:30 Poster D
Correlated Electrons: Poster Session

TT 79 15:30 — 18:30 H21
Superconductivity: Fe-based Superconductors – 122

TT 80 16:00 — 18:30 H18
Correlated Electrons: (General) Theory 2

TT 81 16:15 — 18:30 H23
Transport: Spintronics and Magnetotransport (Joint Session of DS, HL, MA and TT organised by TT)

TT 82 16:30 — 18:30 H22
Correlated Electrons: Nonequilibrium Quantum Many-Body Systems 2

18:45 — 19:15 H19
Annual General Meeting
of the Low Temperatur Physics Division

Environmental Physics Division (UP)

Invited Talks

UP 11.1 10:00 — 10:30 H41
Towards disentangling natural and anthropogenic CO2 and CH4 fluxes using space based measurements of XCO2 and XCH4
•Heinrich Bovensmann, Michael Buchwitz, Konstantin Gerilowski, Sven Krautwurst, Thomas Krings, Maximilian Rauter, Oliver Schneising, Jens Heymann, John P. Burrows

UP 11.2 10:30 — 11:00 H41
AIRCORE as a new tool to study stratospheric age of air
•Andreas Engel, Harald Bönisch

UP 13.1 13:45 — 14:15 H41
NO_2 Luftverschmutzung und Emissionen von Fahrzeugen unter realen Fahrbedingungen
•Denis Pöhler, Florian Kanatschnig, Tobias Österle, Martin Horbanski, Axel Friedrich, Johannes Lampel, Ulrich Platt

Sessions

UP 11 10:00 — 11:15 H41
Atmosphere – Trace Gases

UP 12 11:15 — 13:45 H41
Methods – Remote Sensing

UP 13 13:45 — 14:15 H41
Environmental Technology

UP 14 14:15 — 15:15 H41
Methods – Data evaluation and Modelling

UP 15 15:15 — 16:00 H41
Methods – Measurement Techniques

UP 16 16:00 — 16:30 H41
Atmosphere – Laboratory Studies

UP 17 17:30 — 18:30 H1
Abendvortrag von Prof. Petra Schwille

Working Group on Physics and Disarmament (AGA)

Invited Talks

AGA 3.1 09:30 — 10:30 H3
Next Steps Toward Verified Nuclear Disarmament: A Research Agenda for Physicists without Security Clearances
•*Alexander Glaser*

AGA 3.2 10:30 — 11:30 H3
Methods and Challenges for Disarmament Research
•*Ole Reistad*

AGA 4.1 15:00 — 16:00 H3
Space or Missiles? Recent Rocket Developments in North Korea, Iran, and Other Problematic Countries
•*Markus Schiller*

Sessions

AGA 3 09:30 — 13:00 H3
Nuclear Verification and Disarmament Research

AGA 4 15:00 — 17:30 H3
Missiles, Drones, Strategic Stability

18:00 — 19:00 H3
Annual General Meeting of the Working Group on Physics and Disarmament

Working Group „Young DPG“ (AGjDPG)

Tutorials

AGjDPG 4.1 09:30 — 12:00 H9
After academia: kickstart your career
•*Robin Klaassen*

AGjDPG 6.1 14:00 — 16:30 H9
Giving an effective presentation
•*Robin Klaassen*

Sessions

AGjDPG 4 09:30 — 12:00 H9
After academia - kickstart your career

AGjDPG 5 09:30 — 12:15 H1
Symposium SYSM

AGjDPG 6 14:00 — 16:30 H9
Giving an effective presentation

Lise-Meitner-Lecture

PV XXV 17:30 — 18:30 H1
Ist Leben konstruierbar?
•*Petra Schwille*

Exhibition of Scientific Instruments and Literature

09:00 — 17:00 FA, Bldg. Wirtschaft/Recht, H6, Z

“Role models“-Exhibition

09:00 — 19:00 Foyer Central Library

„Places&Spaces“-Exhibition

09:00 — 19:00 Foyer Central Library

Job Market

12:00 — 13:00 Kunsthalle
d-fine: „Als Physiker (m/w) in der Risikomanagementberatung“

13:15 — 14:15 Kunsthalle
Senacor Technologies AG: „Karrieremöglichkeiten bei Senacor Technologies AG“

14:30 — 15:30 Kunsthalle
McKinsey:
„Karrieremöglichkeiten bei McKinsey“

AiW Verbunden durch Physik

DPG

Industrietag 2016

„Schutz von Innovationen“

Mittwoch, 9. März 2016
9:45 – 17:30 Uhr
Im Rahmen der DPG-Jahrestagung
Universität Regensburg

Der Industrietag bietet interessante und aktuelle Einblicke in einen Themenbereich, der zunehmend an Bedeutung gewinnt, dem Schutz von Innovationen. Neben einem Überblick über die generellen Schutzmöglichkeiten geben hochranginge Vertreter der Wirtschaft Auskunft über die Bedeutung geistigen Eigentums in Ihren Unternehmen und wie diese damit umgehen. Die unterschiedlichen Ausgangspositionen eines Startups und eines etablierten Großkonzerns werden ebenso behandelt, wie die verschiedenen Interessenlagen unterschiedlicher Branchen wie dem Mobilfunk und der Automobiltechnik. Dabei wird auch deutlich werden, welche beruflichen Perspektiven sich für Physiker in diesem Bereich ergeben. Im Rahmen einer Podiumsdiskussion besteht dann ausreichend Möglichkeit für Fragen an die Referenten. Das traditionell anschließende Zusammensein bei „Bier & Brez'n“ bietet nicht nur Gelegenheit zu weiteren Fragen, sondern auch zum Knüpfen von Kontakten.

Programm und Infos:
www.dpg-aiw.de

Friday, March 11, 2016

Plenary Talk

PV XXVI 08:30 — 09:15 H1
Towards a Sustainable Energy System; the German Model
•Robert Schlögl

Symposium Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES)

Invited Talks

SYES 1.1 09:30 — 10:00 H1
Intrinsic Transport Coefficients and Momentum Space Berry Curvatures
•Allan H MacDonald

SYES 1.2 10:00 — 10:30 H1
Berry phase linked spin-orbit torques in Ferromagnetic and Antiferromagnetic systems
•Jairo Sinova

SYES 1.3 10:30 — 11:00 H1
Transport in Topological Insulators and Topological Superconductors: In Search of Majorana Fermions
•Ewelina Hankiewicz

SYES 1.4 11:15 — 11:45 H1
Engineering Topological Quantum States: From 1D to 2D.
•Jelena Klinovaja

SYES 1.5 11:45 — 12:15 H1
Skyrmions – Topological magnetization solitons for future spintronics
•Stefan Blügel

Session

SYES 1 09:30 — 12:15 H1
Frontiers of Electronic Structure Theory: Focus on Topology and Transport

Chemical and Polymer Physics Division (CPP)

Sessions

CPP 62 09:30 — 12:00 H40
Organic Electronics and Photovoltaics III (Joint Session CPP/DS/HL/O, organised by CPP)

CPP 63 09:30 — 12:00 H51
Interfaces and Thin Films II (Joint Session CPP/DY, organised by CPP)

Thin Films Division (DS)

Topical Talks

DS 56.1 09:30 — 10:00 H11
Processes at the nanoscale: Recent progress in understandings on ReRAMs
•*Ilia Valov*

DS 56.2 10:00 — 10:30 H11
Tunnel junction based memristors as artificial synapses
•*Andy Thomas*

Sessions

DS 54 09:30 — 12:15 H1
Symposium on Frontiers of Electronic Structure Theory: Focus on Topology and Transport (Joint symposium of DS, HL, MA, MM and O, organised by O)

DS 55 09:30 — 12:15 H8
Organic Thin Films III

DS 56 09:30 — 11:45 H11
Focus Session: Resistive Effects II

DS 57 09:30 — 12:00 H15
Topological Insulators II (Joint Session of DS and HL, organised by HL)

DS 58 09:30 — 12:00 H40
Organic Electronics and Photovoltaics III (Joint Session of CPP, DS, HL and O, organised by CPP)

Dynamics and Statistical Physics Division (DY)

Session

DY 60 09:30 — 12:00 H51
Interfaces and Thin Films II (Joint Session CPP/DY, organised by CPP)

Semiconductor Physics Division (HL)

Invited Talks

HL 95.4 10:45 — 11:15 H10
Nano-architectures and organic-inorganic hybrid material combinations for novel photovoltaic device concepts
•*Silke Christiansen*

HL 99.1 09:30 — 10:00 H17
Multifunctional 3D GaN: strategies for solid state lighting, electronics and sensing
•*Andreas Waag, J. Hartmann, Hao Zhou, S. Fündling, F. Steib, M. Mohajerani, Feng Yu, H.-H. Wehmann, A.E. Gad, D. Prades, D. Bichler, B. Huckenbeck, T. Schimpke, M. Mandl, I. Stoll, A. Avramescu, M. Strassburg, H.-J. Lugauer*

Sessions

HL 94 09:30 — 12:15 H1
Symposium SYES: Frontiers of Electronic Structure Theory: Focus on Topology and Transport (Joint Session of DS, HL, MA, MM and O, organised by O)

HL 95 09:30 — 12:00 H10
Novel Functional Materials II

HL 96 09:30 — 11:30 H13
Magnetic Semiconductors

HL 97 09:30 — 12:00 H15
Topological Insulators II (Joint Session of DS, HL O and TT, organised by HL)

HL 98 09:30 — 11:45 H16
Focus Session: Functionalization of Semiconductors III

HL 99 09:30 — 12:30 H17
Gallium Nitride: Devices

HL 100 09:30 — 12:00 H40
Organic Electronics and Photovoltaics III (Joint Session of CPP, DS, HL and O, organised by CPP)

HL 101 10:30 — 13:00 S051
Graphene IV: Electronic Properties and Structure

Magnetism Division (MA)

Invited Talks

MA 52.1 09:30 — 10:00 H32
Experimental separation of various mechanisms leading to laser-pulse-induced magnetization precession in (Ga,Mn)As
•Petr Nemec

MA 52.2 10:00 — 10:30 H32
Ultrafast photocurrents and quantized conductance in 3D topological insulators
•Alexander Holleitner

MA 52.3 10:45 — 11:15 H32
Real-time time-dependent DFT for spin dynamics in magnets
•Stefano Sanvito, Maria Stamenova, Jacopo Simoni

MA 52.4 11:15 — 11:45 H32
Spin transport and spin-orbit interaction at terahertz frequencies: spectroscopy and applications
•Tom Seifert

MA 52.5 11:45 — 12:15 H32
Driving currents by magnetization dynamics in systems with broken inversion symmetry
•Frank Freimuth

MA 54.1 09:30 — 10:00 H34
Itinerant Magnetism in the Parent Iron-Based Superconductors: hidden frustration, nematic transitions, and spin-orbit coupling
•Ilya Eremin

Sessions

MA 51 09:30 — 11:30 H13
Magnetic Semiconductors

MA 52 09:30 — 12:15 H32
Focus: Ultrafast spin currents for spin-orbitronics: from metals to topological insulators

MA 53 09:30 — 11:45 H33
Magnetic Scattering Methods

MA 54 09:30 — 13:00 H34
Electron Theory of Magnetism and Micromagnetic Simulations

Metal and Material Physics Division (MM)

Session

MM 63 09:30 — 12:15 H1
Symposium on Frontiers of Electronic Structure Theory: Focus on Topology and Transport

Surface Science Division (O)

Invited Talks

O 93.1 09:30 — 10:15 S054
New Science Opportunities with X-Ray Free-Electron Lasers
•*Wilfried Wurth*

O 94.1 10:30 — 11:00 S054
Time-resolved electron microscopy: probing ultrafast processes at the nanoscale
•*Sascha Schäfer*

O 101.1 13:15 — 14:00 S054
Ionic liquid surface science
•*Hans-Peter Steinrück*

Sessions

O 93 09:30 — 10:15 S054
Overview Talk: Wilfried Wurth

O 94 10:30 — 12:15 S054
Ultrafast Surface Dynamics II

O 95 10:30 — 13:00 S051
Graphene IV: Electronic Properties and Structure

O 96 10:30 — 13:00 S052
Structure of Solid/Liquid Interfaces II

O 97 10:30 — 12:30 S053
Nanostructured Surfaces and Thin Films

O 98 10:30 — 13:15 H24
Organic-Inorganic Systems V: Adsorption on Metals

O 99 09:30 — 12:15 H1
Symposium on Frontiers of Electronic Structure Theory: Focus on Topology and Transport

O 100 09:30 — 12:00 H15
Topological Insulators II

O 101 13:15 — 14:00 S054
Overview Talk: Hans-Peter Steinrück

Low Temperature Physics Division (TT)

Sessions

TT 83 09:30 — 12:15 H1
Symposium on Frontiers of Electronic Structure Theory: Focus on Topology and Transport (SYES) (Joint symposium of DS, HL, MA, MM, O and TT organised by O)

TT 84 09:30 — 12:00 H15
Topological Insulators II (Joint Session of DS, HL, MA, O and TT organised by O)

TT 85 10:30 — 13:00 S051
Graphene: Electronic Properties & Structure (Joint Session of O and TT organised by O)

TT 86 10:30 — 13:00 S051
Graphene: Electronic Properties and Structure (Joint Session of DS, DY, HL, MA, O and TT organised by O)

Working Group on Physics and Disarmament (AGA)

Invited Talk

AGA 5.1 09:30 — 10:30 H3
Partitionierung und Transmutation: Ein attraktiver Weg zur Behandlung abgebrannter Kernbrennstoffe?
•*Gerald Kirchner, Matthias Englert, Christoph Pistner*

Session

AGA 5 09:30 — 13:00 H3
Nuclear Energy Risks and Nuclear Proliferation

Lehrertage (LT)

Invited Talks

LT 1.1 09:00 — 10:00 H4
Das Handydisplay – ein Modell für den Vogelkompass
•*John Lupton*

LT 1.2 10:00 — 11:00 H4
Die Quantenphysik in der Jahrgangsstufe 10
•*Bernadette Schorn*

LT 1.3 11:00 — 12:00 H4
Bemerkungen zu philosophischen Aspekten der QuanZheorie im Ausgang von der Heisenbergschen Unbestimmtheitsrelation
•*Tobias Jung*

LT 2.1 14:00 — 15:00 H4
Kann man mit Atomen bauen wie mit Legosteinen?
•*Franz Gießibl*

LT 2.2 15:00 — 16:00 H4
Einsatz von Smartphones im Physikunterricht
•*Stephen Kimbrough*

LT 2.3 16:00 — 17:00 H4
Physik im Urlaub: Sonne S(tr)and und noch mehr
•*Jörg Mertins*

Sessions

LT 1 09:00 — 12:00 H4
Lehrertage I

LT 2 14:00 — 17:00 H4
Lehrertage II

“Role models“-Exhibition

09:00 — 14:00 Foyer Central Library

“Places & Spaces“-Exhibition

09:00 — 14:00 Foyer Central Library

Job Market

13:15 — 14:15 Kunsthalle
The Boston Consulting Group: „Als Naturwissenschaftler in die Strategieberatung“

Deutsche Physikalische Gesellschaft DPG

Wilhelm und Else Heraeus Stiftung

fobi

Das DPG-Programm zur Förderung von Lehrerfortbildungen im Bereich Physik

Näheres finden Sie unter
www.fobi-phi.dpg-physik.de

Saturday, March 12, 2016

Lehrertage (LT)

Invited Talks

LT 3.1 09:00 — 10:00 H4
Kompetenzorientiert unterrichten! Aber wie?
•*Horst Schecker*

LT 3.2 10:00 — 11:00 H4
Kompetenzorientierter Physikunterricht – ein Perspektivenwechsel
•*Georg Trendel*

LT 3.3 11:00 — 12:00 H4
Umsetzung der Kompetenzorientierung im LehrplanPLUS Physik
•*Michael Haßfurther*

LT 4.1 13:45 — 16:00 H4
Mechanik für den bayerischen Gymnasiallehrplan
•*Verena Tobias, Thomas Wilhelm*

Sessions

LT 3 09:00 — 12:00 H4
Lehrertage III – Kompetenzorientierung

LT 4 13:45 — 16:00 H4
Lehrertage IV – Zweidimensionale Mechanik

Deutsche Physikalische Gesellschaft DPG

Physik für Schülerinnen & Schüler

Förderprogramm

Mehr Informationen unter:
physik-fuer-schueler.dpg-physik.de

Gemeinsames Programm der DPG
und der
Wilhelm und Else Heraeus-Stiftung

Index of Exhibitors

Location:
University of Regensburg, Universitätsstraße 31,
93040 Regensburg

FA – Foyer Audimax
H6 – Foyer Audimax H6
LH – Lichthof Recht und Wirtschaft
Z – Exhibition Tent

Academics GmbH **Z 99**

Speersort 1, 20095 Hamburg

Das Karriereportal für Wissenschaft und Forschung

ADDITIVE Soft- und Hardware für Technik und Wissenschaft GmbH **FA 44a**

Max-Planck-Str. 22 b, 61381 Friedrichsdorf

ADDITIVE steht für Berechnen, Visualisieren, Automatisieren für Statistik und Wissensmanagement im Qualitäts-/ Ingenieurwesen mit den Produkten Minitab, Origin, Mathematica und ADDITIVE-Cloud-Services.

ADL Analoge & Digitale Leistungselektronik GmbH **Z 92**

Bunsenstr. 30, 64293 Darmstadt

ADL Analoge & Digitale Leistungselektronik GmbH

Agilent Technologies Sales & Services GmbH & Co. KG **FA 53**

Lyoner Str. 20, 60528 Frankfurt/M.

Turbomolekularpumpen, Drehschieberpumpen, Lecksucher, Scrollpumpen, Ionengetter- Pumpen, Titansublimationspumpen, Vakuumpumpen, Vakuummessgeräte, Turbopump- Systeme, Vakuumventile

Allectra GmbH **H6 41**

Traubeneichenstr. 62-66, 16567 Schönfließ

Vakuumkomoponenten, el. Durchführungen, Kabel

AMETEK GmbH **LH 24**

Rudolf-Diesel-Str. 16, 40670 Meerbusch

Material Testing System: dielektrische Charakterisierung (I, U, C, R, Y) von 5K - 1500K; Photoelectrochemical System: opto-elektrische Charakterisierung von photoelektrochemischen Systemen u. v. m.

Ametek, TMC GmbH **LH 25**

Rudolf-Diesel-Str. 16, 40670 Meerbusch

Aktive und passive Schwingungsisolation, Optische Tische und Breadboards

ANFATEC Instruments AG **Z 117**

Melanchthonstraße 28, 08606 Oelsnitz (V)

SPM Controller, Rastersonden-Mikroskope, LockIn-Verstärker

AQcomputare GmbH **LH 23**

Annaberger Str. 240, 09125 Chemnitz

We are an innovative R&D company located in Chemnitz, Germany. We offer two main products to our customers: 1) The scientific simulation software ReaxFF+ (an ab initio based reactive force-field method) and 2) contract research for industrial applications.

attocube systems AG **FA 62-64**

Königinstr. 11 A, Rückgebäude EG, 80539 München

Positioniersysteme, Kryostate, Mikroskope, Abstandsmesssysteme

AXO DRESDEN GmbH **H6 33**

Gasanstaltstr. 8 B, 01237 Dresden

Röntgenspiegel, Upgradelösungen, Präzisionsbeschichtung, Diffraktometer, Positioniersysteme

BROCKHAUS MESSTECHNIK
Dr. Brockhaus Messtechnik GmbH & Co. KG **H6 34**

Gustav-Adolf-Str. 4, 58507 Lüdenscheid

Magnetische Messtechnik

Budzylek GbR Cryoandmore **FA 76-78**

Hermann-Cossmann-Str. 19, 41472 Neuss

Kryostate, Kältemaschinen, Cryogenic Spares, Stickstoff Verflüssiger, Hall&Seebeck Messplätze, supraleitende Magnetsysteme, Helium & Stickstoff Füllstandskontrollen, Helium Heber, Durchflusskryostate, MBE Komponenten, Nanotechnologie
Closed Cycle Cryostats, Cryostats, Superconduc. Magnet Systems, Pulse Tube Coolers, Cryogenic Spares, UHV and HV components

ChemPur Feinchemikalien und Forschungsbedarf GmbH **Z 89**

Rüppurrer Str. 92, 76137 Karlsruhe

Reinstmetalle, Aufdampfmaterialien, Anorganika, Seltene Erden, Edelmetalle

CreaTec Fischer & Co. GmbH **LH 26**

Industriestr. 9, 74391 Erligheim

MBE, LT-STM, UHV, PLD, Sputtern, Effusionszellen, Sonderanlagenbau

Cryophysics GmbH **FA 46**

Dolivostr. 9, 64293 Darmstadt

Tieftemperaturmess und –regeltechnik, Kryostate, Kältemaschinen, Elektro- und SL-Magnetsysteme, Mikromanipulated Probe Stations, Hallmessplätze, Magnetometer, Präzisionskapazitätsmessbrücken

CryoVac Gesellschaft für Tieftemperaturtechnik mbh & Co. KG **17+ LH 18**

Heuserweg 14, 53842 Troisdorf

Bad-, Verdampfer- und Refrigeratorkryostate; mK-, UHV-, SPM- und kundenspezifische System

CrysTec GmbH Kristalltechnologie **FA 42**

Köpenicker Straße 325, 12555 Berlin

$SrTiO_3$, MgO, $LaAlO_3$, Saphir, Si, Ge, III/V uvm.

Deutsche Forschungsgemeinschaft (DFG) Physik, Mathematik, Geowissenschaften **FA 55**

53170 Bonn

Information und Beratung zu den Förderprogrammen der DFG

Dr. Eberl MBE-Komponenten GmbH **FA 44**

Josef-Beyerle-Str. 18/1, 71263 Weil der Stadt

MBE-Systeme, Effusionszellen, Elektronenstrahlverdampfer, kundenspezifische UHV-Lösungen

Edwards Ltd. Crawley Business Quarter **LH 5**

Crawley, West Sussex, RH10 9LW, UK

R&D

Entropy GmbH **Z 119**

Gmunder Str. 37 a, 81379 München

Entropy GmbH is a cryostat manufacturer specialized in closed-cycle technology for the Kelvin and milliKelvin temperature range. The company was founded in 2010 and is based in Munich, Germany. Entropy designs and manufactures several types of cryostats such as GM cooler or pulse-tube cooler based cryostats for temperatures < 4K, closed-cycle Joule-Thomson cryostats for temperatures < 1K, Adiabatic Demagnetization Refrigerators (ADR) and Dilution refrigerators.

Focus GmbH **Z 98**

Neukirchner Straße 2, 65510 Hünstetten-Kesselbach

UHV Elektronenstoßverdampfer, VUV Quellen, Ionenquellen, Spindetektoren, HAXPES-Spektrometer, PEEM, TOF-PEEM, NanoESCA

Forschungszentrum Jülich GmbH Geschäftsbereich Personal **Z 118**

52425 Jülich

Scanning Probe Microscopy Solutions with KoalaDrive®, Customized scanning probe microscopy solutions, Ultra-Compact Multi-Tip Scanning Probe Microscope, Four independent STM units with unsurpassed mechanical stability

Freiberg Instruments GmbH **Z 97**

Delfter Str. 6, 09599 Freiberg

XRD, P-XRD, HR-XRD, Stress, TXRF, tools for measuring carrier lifetime, photoconductivity and resistivity

Goodfellow GmbH **FA 61**

Postfach 13 43, 61213 Bad Nauheim

Entwicklung und Forschung

greateyes GmbH **LH 8**

Rudower Chaussee 29, 12489 Berlin

CCD-Kameras

GVL Cryoengineering Dr. George V. Lecomte GmbH **LH 16**

Aachener Straße 89, 52223 Stolberg

3He/4He Mischkryostate, Kryogenisches Zubehör

Hamamatsu Photonics Deutschland GmbH **FA 85**

Arzbergerstraße 10, 82211 Herrsching

Photomultiplier Tubes & Module, MCP, Hybriddetektoren, MPPCs und weitere Halbleiter- detektoren, Lichtquellen, sCMOS Camera ORCA-Flash 4.0 V2

HMW Hauner Metallische Werkstoffe **Z 91**

Gewerbering 36, 91341 Röttenbach

Metalle, Legierungen, Verbindungen für Forschung und Entwicklung

HORIBA Jobin Yvon GmbH **LH 28**

Neuhofstr. 9, 64625 Bensheim

Ihr Partner für instrumentelle Analytik und innovative Spektroskopie

Hositrad Deutschland **Z 106**

Lindnergasse 2, 93047 Regensburg

CF, KF, ISO, UHV-Vakuumbauteile, Elektrische Durchführungen, Membranbalgen, Special Products

ICEoxford **FA 84**

Avenue 4, Station Lane, Witney, Oxon, OX28 4BN, UK

ICE is an innovative company dedicated to providing the highest quality bespoke and standard products to the global low temperature research community. ICE has over 150 years of combined cryogenic experience to call on within the team.

Image Metrology A/S **Z 114**

Lyngsoe Allé 3A, 2970 Hoersholm

Image Processing, Nano Technology, AFM, SPM, SEM, SPIP

Incoatec GmbH / Bruker-AXS GmbH **H6 37**

Max-Planck-Str. 2, 21502 Geesthacht

D8 DISCOVER Röntgendiffraktometer, Detektor

Institute of Physics Publishing **FA 82**

Temple Circus, Temple Way, Bristol, BS1 6BE, UK

Publishers of journals, magazines, community websites

Intermodulation Products AB **Z 102**

Landa Landavägen 4193, 823 93 Segersta,

Lock-in Amplifier, Multifrequency Measurements, Atomic Force Microscopy, AFM, Rasterkraftmikroskopie, Force Spectroscopy, Intermodulation, Frequency Mixing

Jäger Computergesteuerte Messtechnik GmbH **LH 29**

Rheinstr. 4, 64653 Lorsch

ADwin-Echtzeitsysteme für schnelle Steuerungs- und Regelaufgaben

Janssen Precision Engineering **Z 95**

Azielaan 12, 6199 AG Maastricht-Airport, NIEDERLANDE

JPE (Janssen Precision Engineering) liefert Positioniersysteme für Vakuum und Tiefsttemperatur Umgebungen. Unsere PiezoKnob Technologie kombiniert äußerst stabile Positionierung, Nanometer Genauigkeit und hohe Belastbarkeit auch im Milli Kelvin Bereich

JCM Dr. Jürgen Christian Müller **FA 80**

Zeilweg 19, 60439 Frankfurt / Main

Supraleitende Magnete, Tieftemperaturtechnik, Vakuumtechnik, Dünnschichttechnik

Kelvin Technology, Ltd **LH 10**

1 Camilla Street, Halkirk,Caithness KY12 6YQ, UK

Full range of Closed Cycle and Liquid Cryogen Cryostats, Superconducting Magnets, Flasks and Dewars and Temperature Instrumentation and Sensors.

Keysight Technologies GmbH **FA 70**

Herrenberger Str. 130, 71034 Böblingen

Keysight Technologies NEW 9500 AFM, state-of-the-art atomic force microscope integrates powerful new NanoNavigator software with QuickScan enabling scan rates of up to 2 seconds/frame. We will also show our 8500B FE-SEM with EDS

Kleindiek Nanotechnik GmbH **FA 48**

Aspenhaustr. 25, 72770 Reutlingen

Kleindiek Nanotechnik manufactures and sells micromanipulators and nanopositioners for light microscopy, FIB/SEM, & UHV applications.These tools provide hands for probing, and characterizing samples

Korvus Technology Ltd. The Old Fishery **LH 15**

Holcombe Lane, Newington, Oxfordshire OX10 7AJ,

Innovative Deposition Systems

Kurt J. Lesker Ltd. **LH 19**

15/16 Burgess Road, Hastings, East Sussex, TN35 4NR

Vacuum Components

Laser Quantum GmbH **LH 2**

Max-Stromeyer-Str. 116, 78467 Konstanz

Dauerstrichlaser, Ultrakurzpulslaser, Ti:Saphir-Laser, Pumplaser, Spektroskopie

LASERVISION GmbH & Co. KG **Z 105**

Siemensstr. 6, 90766 Fürth

Laser- und Justierschutzbrillen, Laserschutzfenster aus Kunststoff und Glas, großflächige Schutzsysteme, Modulare Vorhangsysteme inkl. Gestell oder Schienensystem

Leiden Probe Microscopy B.V. **LH 12**

Niels Bohrweg 2, 2333 CA Leiden

High Pressure SPM, In situ SPM, Video rate SPM, Variable Temperature SPM, Reactor SPM

LOT-QuantumDesign GmbH **FA 54**

Im Tiefen See 58, 64293 Darmstadt

Magnetometer und Kryotechnik, Spektroskopische Ellipsometer, Nanoindenter, Elektronenmikroskopie, Wissenschaftliche Kameras und Detektoren, modulare Spektroskopiesysteme

Mad City Labs GmbH **LH 6**

Balz-Zimmermann-Str. 7, 8302 Kloten, SCHWEIZ

Nanopositioning

Mantis Deposition GmbH **FA 47**

Mombacher Str. 52, 55122 Mainz

MANTIS – SIGMA, www.mantisdeposition.com, www.sigma-surface-science.com Thinfilm Deposition Systems and Instruments, Nanoparticle Source, UHV Scanning Probe Microscopes, Electron Spectrometer, Customized UHV-System Solutions

MaTeck - Material-Technologie & Kristalle GmbH **FA 58**

Im Langenbroich 20, 52428 Jülich

Einkristalle, Sputtertargets, Substrate, hochreine Materialien, Isotope, Halbleiterkristalle

MDC Vacuum Products Technischer Vertrieb Deutschland **FA 88**

Am Rotdorn 39, 44577 Castrop-Rauxel

Vakuumkomponenten, Ventile, Druckmessung, Fenster und Glaskomponenten, elektrische Durchführungen, mechanische Durchführungen, Manipulatoren, Verdampfer, Sensoren

mechOnics AG **LH 22**

Papferding 44 a, 85461 Bockhorn

Mikro-/Nanopositionierer - auch für Vakuum- und Tieftemperatureinsatz - mit Piezoträgheitsantrieb, Piezo- und Schrittmotorsteuerungen. Neu: DSP 50 mit 1 nm Auflösung, Stellkräfte bis zu 15 N.

Menlo Systems GmbH **FA 72**

Am Klopferspitz 19a, 82152 Martinsried

Optical Frequency Combs and Ultrastable CW Lasers for Metrology, Femtosecond Lasers, Microjoule Lasers, Phase Stabilization of Few-Cycle Pulses, Ultrafast Detectors, Terahertz Time Domain Solutions, Antennas and Components.

Mountain Photonics GmbH **LH 9**

Albert-Einstein-Straße 18, 86899 Landsberg am Lech

AFM, Interferometer, Spektrometer, Polarisationskamera, Polarimeter, Mikroskopkamera

NanoScan AG **LH 1**

Ueberlandstrasse 129, 8600 Duebendorf, SCHWEIZ

The NanoScan VLS-80 is a large stage, high-vacuum microscope with dual PLL controller for optimum MFM resolution. Working in vacuum has many advantages for modes such as Kelvin-probe and non-contact AFM.

nanoscore GmbH **H6 35**

Maisebachstr. 3, 61479 Glashütten

UHV SPM, Ultra Low Temperature STM, Multi Probe STM

Nanosurf GmbH **FA 83**

Rheinstr. 5, 63225 Langen

Rasterkraftmikroskope - Rastertunnelmikroskope - Scanning Probe Microscope

Nanyang Technological University **LH 20**

21 Nanyang Link 04-16, Singapore 63161325, SINGAPUR

Scholarships; Internships; PhD-Program

Newport Spectra-Physics GmbH **FA 68**

Guerickeweg 7, 64291 Darmstadt

Motion Control, Opto-Mechanik, Optiken, Laser, Lichtquellen, Optische Tische, Schwingungsisolation

NMR Service GmbH **FA 49**

Blumenstr. 70, 99092 Erfurt

NMR and NQR Spectrometer, Low temperature and custom build NMR and NQR Probes, Low noise Preamplifier and Transcoupler

novotek Vakuumtechnik GmbH **H6 31**

Bahnhofstr. 23, 71106 Magstadt

Vakuumtechnik Standard- und Sonderbauteile

NT-MDT National Technological Park **FA 66**

Castletroy, Limerick, IRLAND

NT-MDT have a long global history of supplying high end Atomic Force Microscopes, Scanning Near-Field Optical Microscopes, Confocal Raman microscopes, AFM-Raman & nano-Raman (TERS). We look forward to meeting you at DPG 2016 www.ntmdt.com

Oerlikon Leybold Vacuum GmbH **Z 108**

Bonner Straße 498, 50968 Köln

Vakuumpumpen

OPTOPHASE **FA 65**

15 Rue du Bocage, 69008 Lyon, FRANKREICH

Nanopositioner, piezostage and Microscopy products

Owis GmbH Feinmechanische und **Z 121**

Im Gaisgraben 7, 79219 Staufen i. Br.

Strahlführungssysteme, Positioniersysteme

Oxford Instruments Asylum Research **FA 60**

Borsigstr. 15a, 65205 Wiesbaden

Atomic Force Microscopy (AFM), Scanning Probe Microscopies (SPM), materials and bioscience applications (Electrical Measurements, Nanomechanics, Polymers etc.)

Oxford Instruments Nanoscience **FA 67**

Tubney Woods, Abingdon, Oxon OX13 5QX, UK

Designs and supplies market-leading research tools that enable quantum technologies, new materials and device development in physical sciences – providing cryogen free, low and ultra-low temperatures and high magnetic environments

Oxford University Press Academic Division **FA 51**

Great Clarendon Street, Oxford OX2 6DP, UK

Books, Catalogues

PCO AG **LH 21**

Donaupark 11, 93309 Kelheim

PCO, ihr Spezialist für wissenschaftliche Highend-Kamerasysteme. Niedrigstes Ausleserauschen, höchste Bildraten, Belichtungszeiten beginnend bei Nanosekunden und Detektion von UV- bis NIR-Licht

Pfeiffer Vacuum GmbH **FA 45**

Berliner Str. 43, 35614 Asslar

Vorvakuumpumpen, Turbopumpen, Lecksuchgeräte

Physik Instrumente (PI) GmbH & Co. KG **FA 75**

Auf der Römerstr. 1, 76228 Karlsruhe

Nano- und Mikropositioniertechnik, Hexapode, Piezoaktoren

Piezosystem Jena GmbH **LH 4**

Stockholmer Str. 12, 07747 Jena

Positionierung, Nanopositionierung, Piezoelemente, Piezoaktoren

PINK GmbH Vakuumtechnik **FA 50**

Gyula-Horn-Straße 20, 97877 Wertheim

Vakuum- u. UHV-Kammern, Beschleunigerkomponenten, Vakuumtechnische Anlagen u. Systeme, Manipulatoren

Pressure Wave Systems GmbH **Z 110**

Häberlstr. 8, Rgb., 80337 München

Trockene Kompressoren, Tieftemperaturkühlsysteme, Kryotechnik, Laserschwerter

PREVAC sp. z o.o. **FA 81**

Raciborska Str. 61, 44362 Rogów, Poland

UHV, HP-XPS/UPS/ARPES/ARUPS/FTIR Systems/UHV/HV Deposition Systems/X-Ray/Ion/Electron UHV Sources/LHe Manipulators/Custom Sample Holders/Electronics & Process Control

Qioptiq Photonics GmbH & Co. KG **Z 94**

Hans-Riedl-Str. 9, 85622 Feldkirchen (München)

Präzisionsoptik und Mechanik, Faseroptik Aufbausysteme

Raith GmbH **FA 59**

Konrad-Adenauer-Allee 8, 44263 Dortmund

Elektronenstrahl-Lithography, Ionenstrahl-Lithography, Nano-Engineering, CAD-Navigation

RGB Lasersysteme GmbH **Z 90**

Donaupark 13, 93309 Kelheim

Kompakte optische Spektrometer für UV, VIS und NIR bis 2500 nm, Hochintegrierte Halbleiter-Lasermodule, Anwendungsspezifische photonische Baugruppen zur Lichterzeugung und -detektion auf engstem Raum

SAES Getters S.p.A. **H6 40**

Viale Italia, 77, 20020 Lainate (Milan), ITALY

UHV NEG-Pumpen, Alkalimetall-Dispenser, Hochvakuumpumpen, Getter

Schaefer Technologie GmbH **FA 79**

Robert-Bosch-Str. 31, 63225 Langen

Rastersondenmikroskopie, LEED, optische 3D-Mikroskopie, Profilometer, Dünnschicht- technologie, Vakuum, Gasdurchfluss, Magnetik; Messgeräte für Forschung an Einzelzellen, Kolloiden und Nanopartikeln

73

Scienta Omicron GmbH **FA +74**

Limburger Str. 75, 65232 Taunusstein

Systems, Instruments and Services for Scanning Probe Microscopy, Electron Spectroscopy, Thin Film & Tailored UHV Systems

SEKELS GmbH **FA 43**

Dieselstr. 6, 61239 Ober-Mörlen

Magnetische Abschirmungen, Magnetsysteme, weichmagnetische Halbzeuge

Semilab Germany GmbH **LH 13**

Geysostr. 13, 38106 Braunschweig

Rasterkraftmikroskope, Rastertunnelm., AFM, STM, Lock-in Verstärker, Atomic Force Microscopes

SENTECH Gesellschaft für Sensortechnik mbH **FA 87**

Konrad-Zuse-Bogen 13, 82152 Krailling

Dünnschichtmesstechnik: Ellipsometer, Reflektometer; Plasma Ätz- und Beschichtungsanlagen

SI Scientific Instruments GmbH **H6 39**

Römerstr. 67, 82205 Gilching

Spektrometer, Lock-In Verstärker, Elektrochemie, Gas/Vakuumanalyse, Kryotechnik, Vorverstärker, HV-Netzteile

Single Quantum B.V. **Z 120**

van der Waalsweg 8, 2628CH Delft, NIEDERLANDE

Single Quantum SNSPD (superconducting nanowire single photon detector) system Qutools quTAU Time-to-Digital Converter, photon pair sources, quantum random number generators & quantum optics components

Sirah Laser- & Plasmatechnik GmbH **LH 3**

Heinrich-Hertz-Straße 11, 41516 Grevenbroich

Farbstofflaser, Titan:Saphire-Laser, abstimmbare Lasersysteme, Optik, Zubehör

SmarAct GmbH **Z 116**

Schütte-Lanz-Str. 9, 26135 Oldenburg

Micro- and Nanopositioners, Interferometers

SOL instrument, Ltd. **Z 100**

58-10, Nezavisimosti ave., Minsk 220005

3D Scanning Laser Raman Confocal Spectrometer Confotec MR520

SOLITON Laser- und Meßtechnik GmbH **Z 112**

Talhofstraße 32, 82205 Gilching

Laser, optische Messtechnik, Sensoren, Laserzubehör

SPECS Surface Nano Analysis GmbH **FA 69**

Voltastraße 5, 13355 Berlin

Photoelektronenspektroskopie, Rastersondenmikroskopie, winkelaufgelöste Photoemission, Elektronenmikroskopie

Springer-Verlag GmbH **FA 52**

Tiergartenstraße 17, 69121 Heidelberg

Wissenschaftliche Bücher und Zeitschriften

Staib Instrumente GmbH **H6 36**

Hagenaustr. 22, 85416 Langenbach

RHEED, Elektronenquellen, Ionenquellen, AUGER, XPS, Analysatoren, UHV-Systeme

SwissLitho AG **Z 113**

Technoparkstrasse 1, 8005 Zürich, SCHWEIZ

SwissLitho is a young high-tech company with the vision to change the way nanostructures are made. SwissLitho offers innovative nanofabrication tools for high-resolution nanometer sized 2D&3D pattern.

SynTek AB **Z 115**

Mäster Simons väg 21, 170 66 Solna, SWEDEN

multichannel lock-in amplifiers, calorimetry systems

Taylor and Francis Ltd **H6 38**

4 Park Square, Milton Park, Abingdon, Oxon OX14 4RN,

Books & Journals

Technische Universität München Forschungs-Neutronenquelle **LH 11**

Lichtenbergstr. 1, 85747 Garching

MLZ - Heinz Maier-Leibnitz Zentrum: Neutronen für Forschung, Industrie und Medizin

tectra GmbH Physikalische Instrumente **FA 86**

Reuterweg 65, 60323 Frankfurt/M.

UHV Komponenten, Dünnschichttechnik, Plasmaquellen

Thermo Fisher Scientific **Z 93**

Zeppelinstr. 7b, 76185 Karlsruhe

Reinstmetalle; Forschungschemikalien

THORLABS GmbH **FA 57**

Hans-Boeckler-Str. 6, 85221 Dachau

Optische & optomechanische Komponenten, Test & Measurement Systeme, optische Tische und Vibrationskontrolle, Nanopositionierungen, Lichtquellen sowie Imaging, Mikroskopie und Life Science Komponenten

Thyracont Vacuum Instruments GmbH **Z 109**

Max-Emanuel-Straße 10, 94036 Passau

Thyracont Vacuum Instruments GmbH Max-Emanuel-Straße 10, 94036 Passau, Tel.: +49 851 95986 28, direct@thyracont-vacuum.com, Germany www.thyracont-vacuum.com

TOPTICA Photonics AG **LH 7**

Lochhamer Schlag 19, 82166 Gräfelfing / München

Tunable Diode Lasers, Frequency Combs, Femtosecond Fiber Lasers, Wavelength Meters

UHV Design Ltd. Judge House **Z 101**

Lewes Road, Laughton, East Sussex BN8 6BN, UK

UHV Design Ltd. manufactures products for vacuum manipulation, heating and cooling.

Unitemp **Z 111**

Luitpoldstr. 5, 85276 Pfaffenhofen/Ilm

Hersteller von kompakten Vakuumprozessanlagen (RTP/RTA), Reflow-Lötsystemen und Heizvorrichtungen

VACOM Vakuum Komponenten & Messtechnik GmbH **LH 27**

Gabelsberger Str. 9, 07749 Jena

Vakuumkomponenten, Vakuummesstechnik, Durchführungen, Ventile, Schaugläser,

Vaqtec-scientific Mario Melzer **H6 30**

Thulestr. 18B, 13189 Berlin

Komponenten der UHV- und HV-Technik: u.a. Stromdurchführungen, Schaugläser, Manipulation

von Gegerfelt PHOTONICS GmbH **H6 32**

Hermann-Löns-Str. 4, 64625 Bensheim

High performance lasers

Walter de Gruyter GmbH **LH 14**

Genthiner Straße 13, 10785 Berlin

Wissenschaftliche Bücher und Zeitschriften

Wiley-VCH Verlag GmbH & Co. KG aA **FA 71**

Boschstr. 12, 69469 Weinheim

Wiley is a global provider of knowledge and knowledge-enabled services that improve outcomes in areas of research, professional practice and education. Through the Research segment, the Company provides digital and print scientific, technical, medical, and scholarly journals, reference works, books, database services, and advertising

WITec GmbH Wissenschaftliche Instrumente **Z 104**

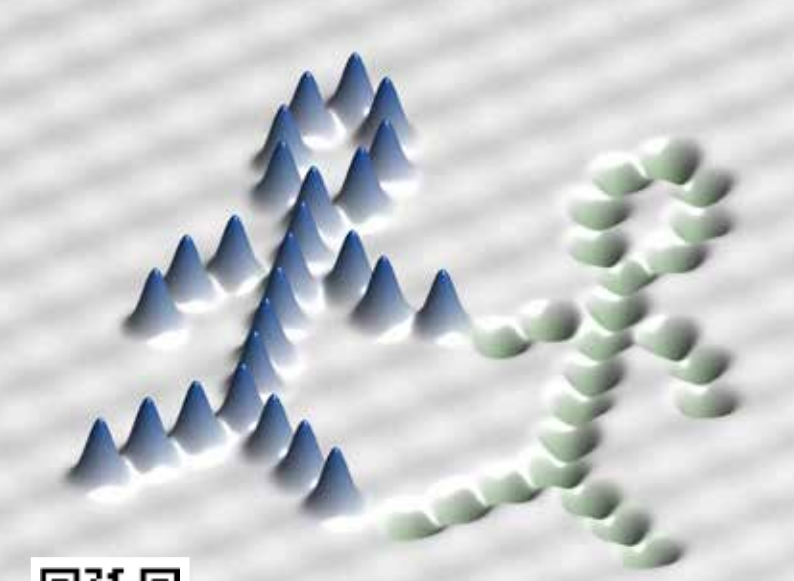
Lise-Meitner-Str. 6, 89081 Ulm

hochauflösende Mikroskope: AFM, Raman, SNOM

Zurich Instruments AG Marketing and Sales **FA 56**

Technoparkstrasse 1, 8005 Zurich, SCHWEIZ

UHFLI 600 MHz Lcok-in Amplifier, HF2LI 50 MHz Lock-in Amplifier, MFLI 500 kHz/ 5MHz Lock-in Amplifier, HF2IS 50 MHz Impedance Spectroscope, UHF Boxcar, HF2PLL 50 MHz Phase-Locked Loop



Deutsche Physikalische Gesellschaft DPG

DPG Mentoring-Programm 2016

Profitiere als *Mentee* von erfahrenen Physiker/innen im Berufsleben.

Begleiten Sie als *Mentor/in* junge Physiker/innen beim Berufseinstieg.

Jetzt anmelden unter:
mentoring.dpg-physik.de
Anmeldeschluss: 30. April 2016

DPG mentoring

Sponsors

Official Main Sponsor

scientaomicron

Further Official Sponsors

Cryo and more

attocube
pioneers of precision

PREVAC

OXFORD INSTRUMENTS
The Business of Science®

Zurich Instruments

JCM
Dr. Jürgen Christian Müller
Vakuum und Tiefe Temperaturen

JPK Instruments

RAITH
NANOFABRICATION

THORLABS

Newport
Experience | Solutions

Agilent Technologies


ASYLUM RESEARCH
an Oxford Instruments company


PI


Cryophysics


schaefer
www.schaefer-tec.com


NT-MDT


GoodFellow


LOT
QuantumDesign

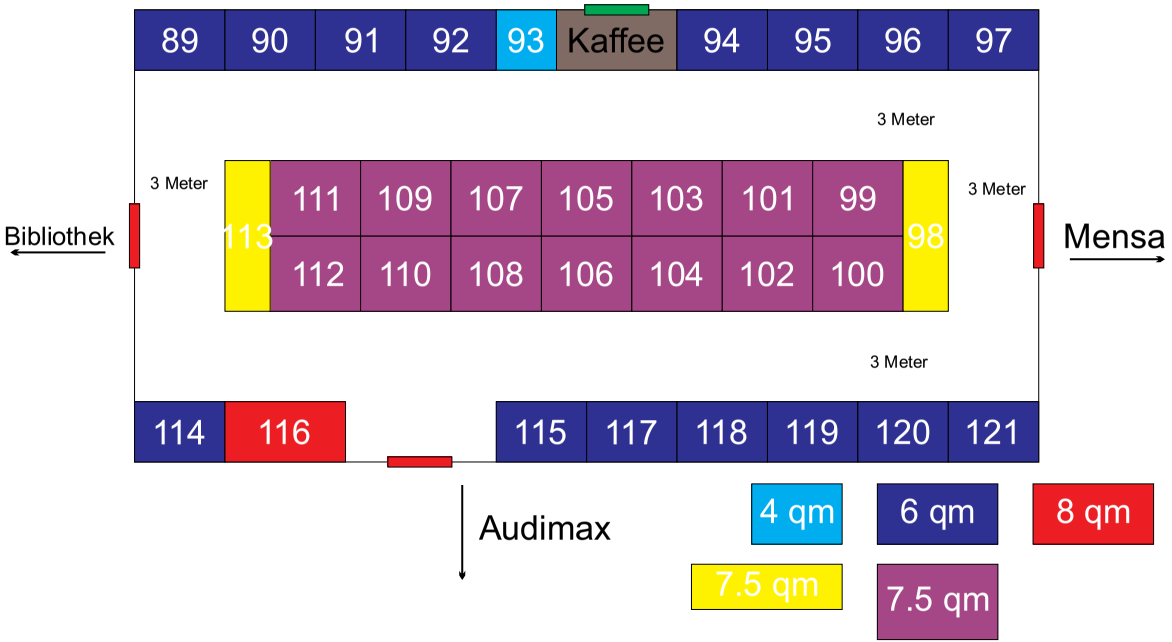

CryoVac
low temperature technology

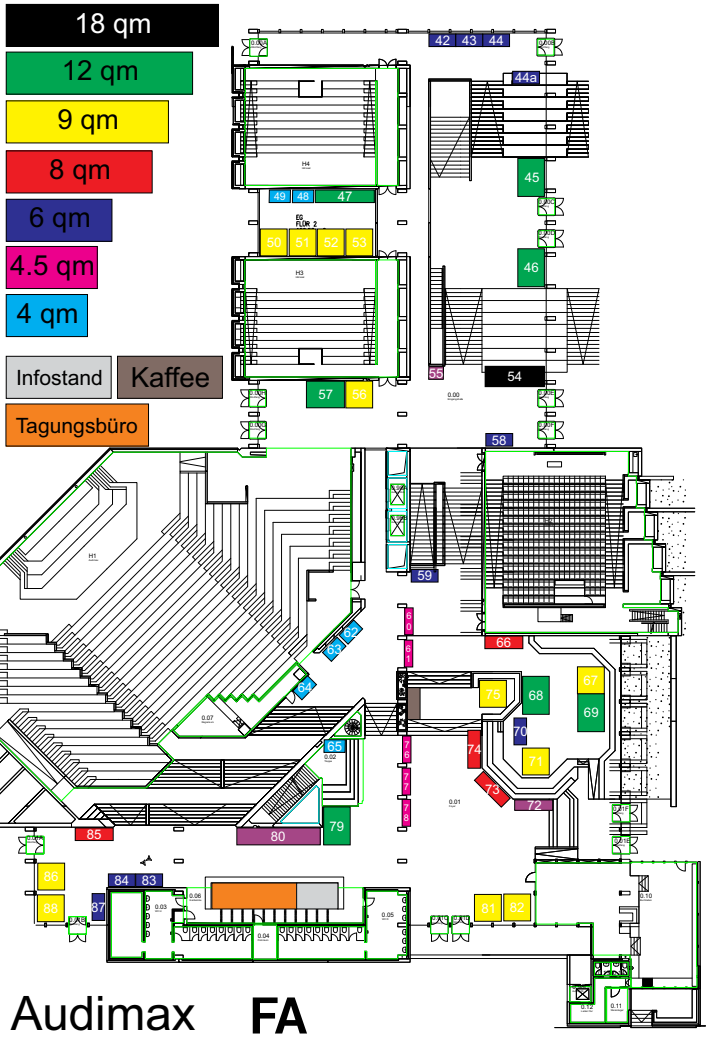

SPECS™


PFEIFFER VACUUM

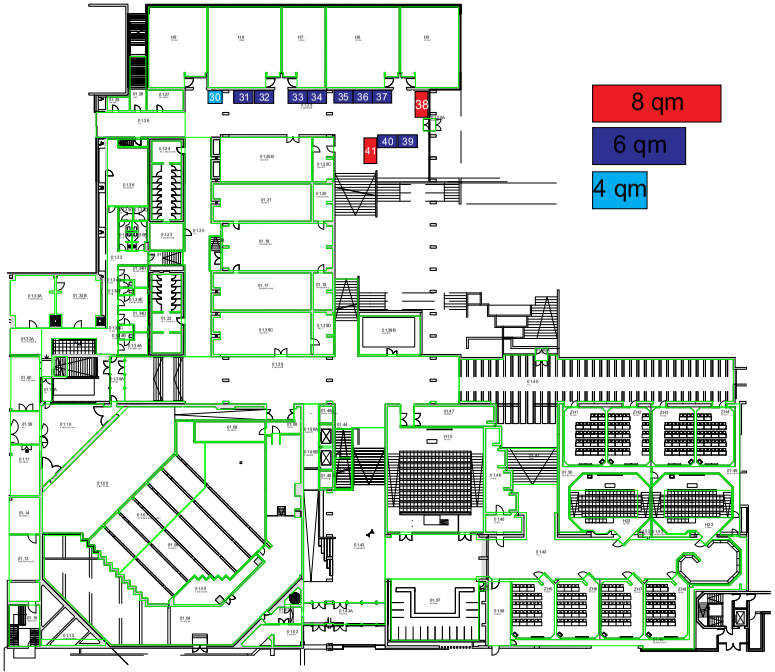

HAMAMATSU
PHOTON IS OUR BUSINESS

Stand Map Tent - Forum Z

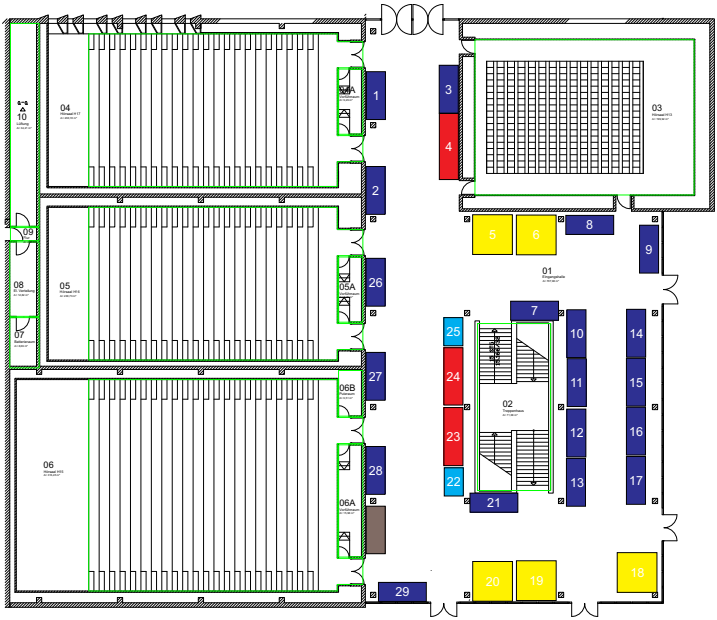



18 qm
12 qm
9 qm
8 qm
6 qm
4.5 qm
4 qm
Infostand
Kaffee
Tagungsbüro
42 43 44
44a
45
46
49 48 47
50 51 52 53
54
55
57 56
58
59
66
67
68
69
70
71
72
73
74
75
79
80
85
86
87
84 83
81 82
Audimax
FA

Audimax - H6



Lichthof Wirtschaft/Recht **LH**



9 qm

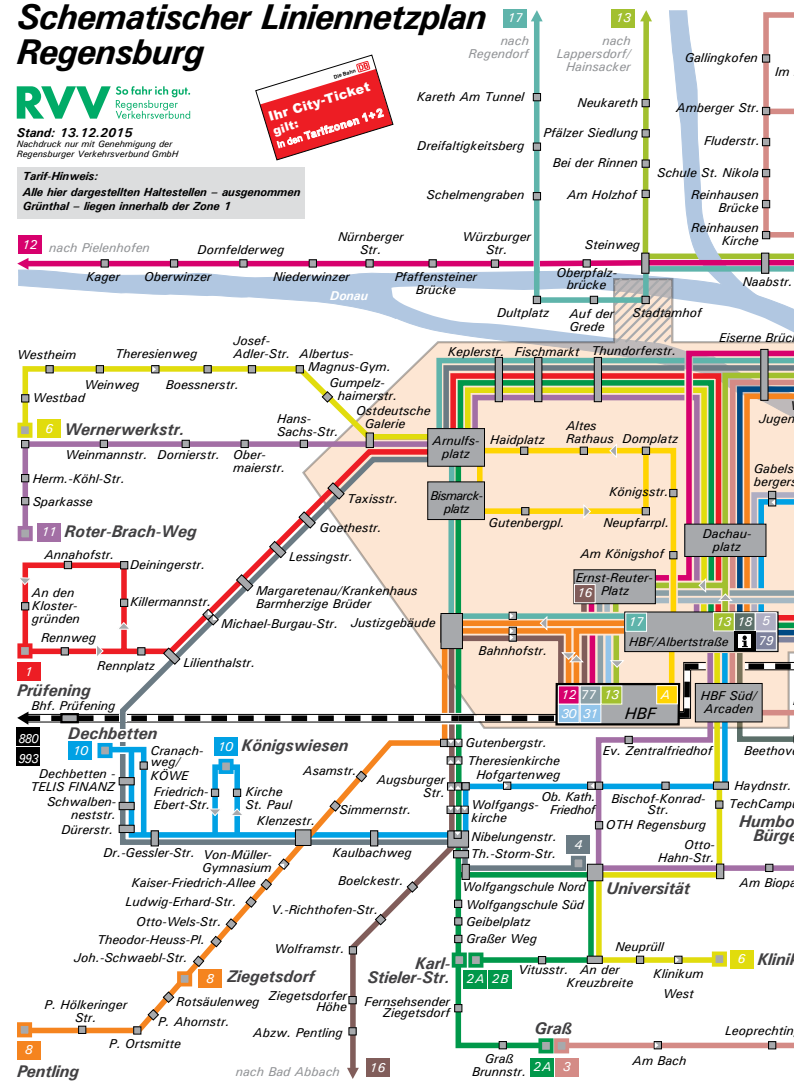
8 qm

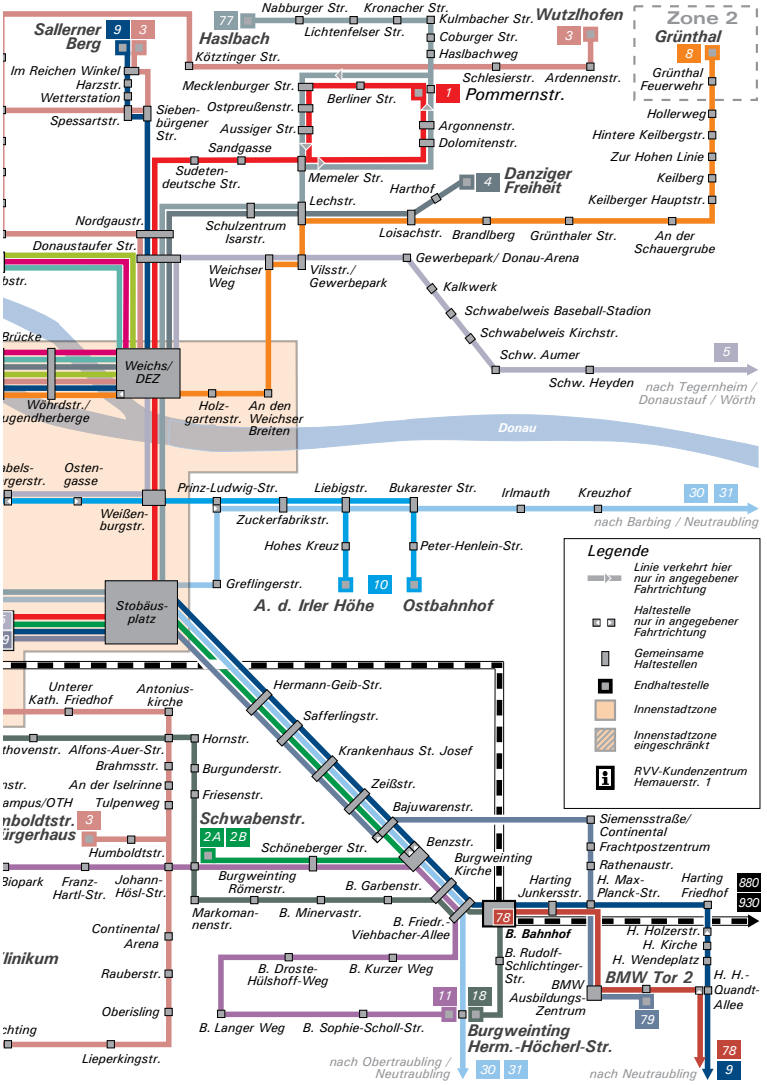
6 qm

4 qm

Kaffee

Schematischer Liniennetzplan Regensburg




Sallerner Berg
9
3
Haslbach
77
Nabburger Str.
Kronacher Str.
Lichtenfelser Str.
Kötztinger Str.
Kulmbacher Str.
Wutzlhofen
Coburger Str.
3
Haslbachweg
Zone 2
Grünthal
8
Grünthal Feuerwehr
Im Reichen Winkel
Harzstr.
Wetterstation
Spessartstr.
Siebenbürgener Str.
Mecklenburger Str.
Ostpreußenstr.
Aussiger Str.
Sandgasse
Sudetendeutsche Str.
Berliner Str.
1
Pommernstr.
Schlesierstr.
Ardennenstr.
Argonnenstr.
Dolomitenstr.
Hollerweg
Hintere Keilbergstr.
Zur Hohen Linie
Keilberg
Keilberger Hauptstr.
Memeler Str.
Harthof
4
Danziger Freiheit
Lechstr.
Nordgaustr.
Schulzentrum
Isarstr.
Loisachstr.
Brandlberg
Grünthaler Str.
An der Schauergrube
Donaustaufer Str.
Weichser Weg
Vilsstr./ Gewerbepark
Gewerbepark/ Donau-Arena
Kalkwerk
Schwabelweis Baseball-Stadion
Schwabelweis Kirchstr.
Schw. Aumer
5
Schw. Heyden
nach Tegernheim / Donaustauf / Wörth
Weichs/ DEZ
Wöhrdstr./
Holzgartenstr.
An den Weichser Breiten
Donau
Osten-gasse
Weißenburgstr.
Prinz-Ludwig-Str.
Liebigstr.
Bukarester Str.
Irlmauth
Kreuzhof
30
31
nach Barbing / Neutraubling
Zuckerfabrikstr.
Hohes Kreuz
Peter-Henlein-Str.
Greflingerstr.
10
A. d. Irler Höhe
Ostbahnhof
Legende
Linie verkehrt hier nur in angegebener Fahrtrichtung
Haltestelle nur in angegebener Fahrtrichtung
Gemeinsame Haltestellen
Endhaltestelle
Innenstadtzone
Innenstadtzone eingeschränkt
RVV-Kundenzentrum Hemauerstr. 1
Stobäusplatz
Unterer Kath. Friedhof
Antoniuskirche
Hermann-Geib-Str.
Safferlingstr.
Hornstr.
Krankenhaus St. Josef
Alfons-Auer-Str.
Brahmsstr.
Burgunderstr.
An der Iselrinne
Friesenstr.
Zeißstr.
Tulpenweg
Bajuwarenstr.
3
Schwabenstr.
Siemensstraße/ Continental
2A
2B
Schöneberger Str.
Benzstr.
Frachtpostzentrum
Humboldtstr.
Burgweinting Kirche
Rathenaustr.
Burgweinting Römerstr.
B. Garbenstr.
Harting Junkersstr.
H. Max-Planck-Str.
Harting Friedhof
880
930
Franz-Hartl-Str.
Johann-Hösl-Str.
Markomannenstr.
B. Minervastr.
B. Friedr.-Viehbacher-Allee
76
B. Bahnhof
H. Holzerstr.
H. Kirche
Continental Arena
B. Rudolf-Schlichtinger-Str.
H. Wendeplatz
Rauberstr.
B. Droste-Hülshoff-Weg
B. Kurzer Weg
BMW Tor 2
H. H.-Quandt-Allee
11
18
BMW Ausbildungs-Zentrum
Oberisling
79
B. Langer Weg
B. Sophie-Scholl-Str.
Burgweinting Herm.-Höcherl-Str.
78
9
Lieperkingstr.
nach Obertraubling / Neutraubling
30
31
nach Neutraubling

Bus lines <u>from</u> the city <u>to</u> the university: 2, 4, 6, 11 (Monday – Friday)

(printed with kind permission of the RVV)

Linie 2

2A Schwabenstr. - HBF/Albertstr. - Karl-Stieler-Str. (- Graß)
2B Schwabenstr. - HBF/Albertstr. - Universität - Karl-Stieler-Str.

Montag - Freitag	5	6	7	8-17	18	19	20	21-23	0
VERKEHRSHINWEIS		D	D	D	D	D	D	D	
Schwabenstraße	19 39 49 59	06 19 26 36 46 56	06 16 26 36 46 56	06 16 26 36 46 56	06 16 26 36 46	02 32	01 31	01 31	
Schoeneberger Straße	20 40 50 57	07 17 27 37 47 57	07 17 27 37 47 57	07 17 27 37 47 57	07 17 27 37 47	02 33	01 31	01 31	
Bergstraße	21 41 51 58	08 18 28 38 48 58	08 18 28 38 48 58	08 18 28 38 48 58	08 18 28 38 48	04 34	02 32	02 32	
Papiermühlstraße	22 42 52 00	10 20 30 40 50 00	10 20 30 40 50 00	10 20 30 40 50 00	10 20 30 40 50	06 36	04 34	04 34	
Zeilstraße	23 43 53 01	11 21 31 41 51 01	11 21 31 41 51 01	11 21 31 41 51 01	11 21 31 41 51	07 37	05 35	05 35	
Krankenhaus St. Josef	24 44 54 02	12 22 32 42 52 02	12 22 32 42 52 02	12 22 32 42 52 02	12 22 32 42 52	08 38	06 36	06 36	
Raiffeisenstraße	25 45 55 03	13 23 33 43 53 03	13 23 33 43 53 03	13 23 33 43 53 03	13 23 33 43 53	09 39	07 37	07 37	
Hans-Deis-Straße	26 46 56 04	14 24 34 44 54 04	14 24 34 44 54 04	14 24 34 44 54 04	14 24 34 44 54	10 40	08 38	08 38	
Stoddupplatz	27 47 57 05	15 25 35 45 55 05	15 25 35 45 55 05	15 25 35 45 55 05	15 25 35 45 55	11 41	09 39	09 39	
HBF/Albertstraße an	30 50 00 08	18 28 38 48 58 08	18 28 38 48 58 08	18 28 38 48 58 08	18 28 38 48 58	14 44	12 42	12 42	
HBF/Albertstraße ab	31 51 01 09	19 29 39 49 59 09	19 29 39 49 59 09	19 29 39 49 59 09	19 29 39 49 59	15 45	13 43	13 43	
Dachauplatz	33 53 03 11	21 31 41 51 01 11	21 31 41 51 01 11	21 31 41 51 01 11	21 31 41 51 01	17 47	15 45	15 45	
Thalkirchnerstraße	35 55 05 14	24 34 44 54 04 14	24 34 44 54 04 14	24 34 44 54 04 14	24 34 44 54 04	20 50	18 48	18 48	
Fischmarkt	36 56 06 15	25 35 45 55 05 15	25 35 45 55 05 15	25 35 45 55 05 15	25 35 45 55 05	21 51	19 49	19 49	
Kapuzinerstraße	38 58 08 17	27 37 47 57 07 17	27 37 47 57 07 17	27 37 47 57 07 17	27 37 47 57 07	23 53	20 50	20 50	
Arnulfsplatz	39 59 09 18	28 38 48 58 08 18	28 38 48 58 08 18	28 38 48 58 08 18	28 38 48 58 08	24 54	23 53	23 53	
Bismarckplatz	40 00 10 19	29 39 49 59 09 19	29 39 49 59 09 19	29 39 49 59 09 19	29 39 49 59 09	25 55	24 54	24 54	
Josephsburg	41 01 11 21	31 41 51 01 11 21	31 41 51 01 11 21	31 41 51 01 11 21	31 41 51 01 11	27 57	25 56	25 56	
Gotenbergstraße	42 02 12 23	33 43 53 03 13 23	33 43 53 03 13 23	33 43 53 03 13 23	33 43 53 03 13	29 59	27 57	27 57	
Wolfgangskirche	43 03 13 24	34 44 54 04 14 24	34 44 54 04 14 24	34 44 54 04 14 24	34 44 54 04 14	30 00	28 58	28 58	
Nibelungenstraße	44 04 14 25	35 45 55 05 15 25	35 45 55 05 15 25	35 45 55 05 15 25	35 45 55 05 15	31 01	29 59	29 59	
Theodor-Storm-Straße	45 25 15 26	36 46 56 06 16 26	36 46 56 06 16 26	36 46 56 06 16 26	36 46 56 06 16	32 02	30 00	30 00	
Wolfgangschule Nord	46 26 16 27	37 47 57 07 17 27	37 47 57 07 17 27	37 47 57 07 17 27	37 47 57 07 17	33 03	31 01	31 01	
Oberfeldplatz	47 07 17 28	38 48 58 08 18 28	38 48 58 08 18 28	38 48 58 08 18 28	38 48 58 08 18	34 04	32 02	32 02	
Großer Weg	48 08 18 29	39 49 59 09 19 29	39 49 59 09 19 29	39 49 59 09 19 29	39 49 59 09 19	35 05	33 03	33 03	
Wolfgangschule Nord	1 1 1 1	1 1 17 1	17 1 17 1	17 1 17 1	17 1 17 1	1 1	1 1	1 1	
Universität	1 1 1 1	1 1 19 1	19 1 19 1	19 1 19 1	19 1 19 1	1 1	1 1	1 1	

Linie 4

Danziger Freiheit - Weichs - Arnulfsplatz
(- Lilienthalstraße - Universität)

gültig ab 23.12.2015

Montag - Freitag	5	6	7-17	18	19	20	21	22	23	0
Danziger Freiheit	23 43 03 20 40	00 20 40 10 40	– 17 – 47	– 17 – 47	– 17 47	17 47				
Hertlhof	24 44 04 21 41	01 21 41 11 41	– 18 – 48	– 18 – 48	– 18 48	18 48				
Lilienthalstraße	26 46 06 23 43	03 23 43 13 43	– 20 – 50	– 20 – 50	– 20 50	20 50				
Lechstraße	27 47 07 24 44	04 24 44 14 44	– 21 – 51	– 21 – 51	– 21 51	21 51				
Schulzentrum Ivanchnelle	28 48 08 25 45	05 25 45 15 45	– 22 – 52	– 22 – 52	– 22 52	22 52				
Nordgaustraße	30 50 10 27 47	07 27 47 17 47	– 24 – 54	– 24 – 54	– 24 54	24 54				
Donaustaufer Straße	31 51 11 28 48	08 28 48 18 48	– 25 – 55	– 25 – 55	– 25 55	25 55				
Weichs-DEZ	32 52 12 30 50	10 30 50 20 50	– 26 – 56	– 26 – 56	– 26 56	26 56				
Wöhrdstraße	33 53 13 31 51	11 31 51 21 51	– 27 – 57	– 27 – 57	– 27 57	27 57				
Eiserne Brücke	34 54 14 32 52	12 32 52 22 52	– 28 – 58	– 28 – 58	– 28 58	28 58				
Thundorferstraße	36 56 16 35 55	15 35 55 25 55	– 30 – 00	– 30 – 00	– 30 00	30 00				
Reichenstr.	37 57 17 37 57	17 37 57 27 57	– 31 – 01	– 31 – 01	– 31 01	31 01				
Keplerstraße	39 59 19 39 59	19 39 59 29 59	– 33 – 03	– 33 – 03	– 33 03	33 03				
Arnulfsplatz	40 00 20 40 00	20 40 00 30 00	– 34 – 04	– 34 – 04	– 34 04	34 04				
Taxerstraße	– – – 47 02	22 42 02 – 42	– – – –	– – – –	– – – –					
Goetherstraße	– – – 43 03	23 43 03 – 43	– – – –	– – – –	– – – –					
Leopoldstraße	– – – 44 04	24 44 04 – 44	– – – –	– – – –	– – – –					
Margaretenau/90-I Romi. Brücke	– – – 45 05	25 45 05 – 45	– – – –	– – – –	– – – –					
Michael-Burgau-Straße	– – – 46 06	26 46 06 – 46	– – – –	– – – –	– – – –					
Lilienthalstraße	– – – 48 08	28 48 08 – 48	– – – –	– – – –	– – – –					
Dechbetten-TELIS FINANZ	– – – 50 10	30 50 10 – 50	– – – –	– – – –	– – – –					
Schwabenmeistraße	– – – 51 11	31 51 11 – 51	– – – –	– – – –	– – – –					
Donaustraße	– – – 52 12	32 52 12 – 52	– – – –	– – – –	– – – –					
Dr.-Gessler-Straße	– – – 53 13	33 53 13 – 53	– – – –	– – – –	– – – –					
Klemmstraße	– – – 55 15	35 55 15 – 55	– – – 15 – 45	– 15 – 45	– 15 – 45					
Kaulbachweg	– – – 56 16	36 56 16 – 56	– – – 16 – 46	– 16 – 46	– 16 – 46					
Nibelungenstraße	– – – 57 17	37 57 17 – 57	– – – 17 – 47	– 17 – 47	– 17 – 47					
Theodor-Storm-Straße	– – – 58 18	38 58 18 – 58	– – – 18 – 48	– 18 – 48	– 18 – 48					
Wolfgangschule Nord	– – – 00 20	40 00 20 – 00	– – – 19 – 49	– 19 – 49	– 19 – 49					
Universität	– – – 02 22	42 02 22 – 02	– – – 20 – 50	– 20 – 50	– 20 – 50					

Bus lines from the city to the university: 2, 4, 6, 11 (Monday – Friday)

(printed with kind permission of the RVV)

Linie 6

Wernerwerkstraße - Westbad - Arnulfsplatz - HBF/Albertstraße - Universität - Klinikum

gültig ab 13.12.2015

Montag - Freitag	6	6	7	8	9	10
Wernerwerkstraße	15 35 52	02 12 22 32 42 52	– 02 12 – 22 32 – 42 52	– 02 12 – 22 32 42 52	02 12 22 32 42	02 –
Westbad	19 36 53	03 13 23 33 43 53	– 03 13 – 23 33 – 43 53	– 03 13 – 23 33 43 53	03 13 23 33 43	03 –
Westheim	17 37 54	04 14 24 34 44 54	– 04 14 – 24 34 – 44 54	– 04 14 – 24 34 44 54	04 14 24 34 44	04 –
Weinweg	19 36 55	05 15 25 35 45 55	– 05 15 – 25 35 – 45 55	– 05 15 – 25 35 45 55	05 15 25 35 45	05 –
Thomasinenweg	19 39 56	06 16 26 36 46 56	– 06 16 – 26 36 – 46 56	– 06 16 – 26 36 46 56	06 16 26 36 46	06 –
Boessnerstraße	20 40 57	07 17 27 37 47 57	– 07 17 – 27 37 – 47 57	– 07 17 – 27 37 47 57	07 17 27 37 47	07 –
Josef-Adler-Straße	21 41 58	08 18 28 38 48 58	– 08 18 – 28 38 – 48 58	– 08 18 – 28 38 48 58	08 18 28 38 48	08 –
Alberlus-Magnus-Gym.	22 42 59	09 19 29 39 49 59	– 09 19 – 29 39 – 49 59	– 09 19 – 29 39 49 59	09 19 29 39 49	09 –
Gumpelzhaimerstraße	23 43 00	10 20 30 40 50 00	– 10 20 – 30 40 – 50 00	– 10 20 – 30 40 50 00	10 20 30 40 50	10 –
Oskar-von-Miller-Straße	25 45 02	12 22 32 42 52 02	– 12 22 – 32 42 – 52 02	– 12 22 – 32 42 52 02	12 22 32 42 52	12 –
Arnulfsplatz	28 48 05	15 25 35 45 55 05	– 15 25 – 35 45 – 55 05	– 15 25 – 35 45 55 05	15 25 35 45 55	15 –
Keplerstraße	29 49 07	17 27 37 47 57 07	– 17 27 – 37 47 – 57 07	– 17 27 – 37 47 57 07	17 27 37 47 57	17 –
Fischerwirt	30 50 08	18 28 38 48 58 08	– 18 28 – 38 48 – 58 08	– 18 28 – 38 48 58 08	18 28 38 48 58	18 –
Thunderfenstraße	31 51 10	20 30 40 50 00 10	– 20 30 – 40 50 – 00 10	– 20 30 – 40 50 00 10	20 30 40 50 00	20 –
Dachauplatz	34 54 14	24 34 44 54 04 14	18 24 34 38 44 54 58 04	14 18 24 34 38 44 54 04	14 24 34 44 54	04 – 24 –
HBF/Albertstraße an	36 56 17	27 37 47 57 07 17	21 27 37 41 47 57 01 07	17 21 27 37 41 47 57 07	17 27 37 47 57	07 – 27 –
HBF/Albertstraße ab	39 59 18	28 38 48 58 08 18	22 28 38 42 48 58 02 08	18 22 28 38 42 48 58 08	18 28 38 48 58	08 18 28 38
HBF Süd/Arcaden	40 00 19	29 39 49 59 09 19	23 29 39 43 49 59 03 09	19 23 29 39 43 49 59 09	19 29 39 49 59	09 19 29 39
Haydnstraße	41 01 20	30 40 50 00 10 20	24 30 40 44 50 00 04 10	20 24 30 40 44 50 00 10	20 30 40 50 00	10 20 30 40
TechCampus/OTH	42 02 21	31 41 51 01 11 21	25 31 41 45 51 01 05 11	21 25 31 41 45 51 01 11	21 31 41 51 01	11 21 31 41
Otto-Hahn-Straße	43 03 22	32 42 52 02 12 22	26 32 42 46 52 02 06 12	22 26 32 42 46 52 02 12	22 32 42 52 02	12 22 32 42
Universität	45 05 25	35 45 55 05 15 25	29 35 45 49 55 05 09 15	25 29 35 45 49 55 05 15	25 35 45 55 05	15 25 35 45
An der Kreuzbreite	46 06 26	36 46 56 06 16 26	30 36 46 50 56 06 10 16	26 30 36 46 50 56 06 16	26 36 46 56 06	16 26 36 46
Neuprüll	47 07 27	37 47 57 07 17 27	31 37 47 51 57 07 11 17	27 31 37 47 51 57 07 17	27 37 47 57 07	17 27 37 47
Klinikum West	49 09 29	39 49 59 09 19 29	33 39 49 53 59 09 13 19	29 33 39 49 53 59 09 19	29 39 49 59 09	19 29 39 49
Klinikum	51 11 31	41 51 01 11 21 31	32 41 51 52 01 11 12 21	31 32 41 51 52 01 11 21	31 41 51 01 11	21 31 41 51

Montag - Freitag	10	11-14	15	16-17	18	19	20-22	23	0
Wernerwerkstraße	22 – 42	– 02 – 22 – 42	– 02 12 22 32 42 52	02 12 22 32 42 52	12 32 52	12 32	06 36	06 36	
Westbad	23 – 43	– 03 – 23 – 43	– 03 13 23 33 43 53	03 13 23 33 43 53	13 33 53	13 33	07 37	07 37	
Westheim	24 – 44	– 04 – 24 – 44	– 04 14 24 34 44 54	04 14 24 34 44 54	14 34 54	14 34	08 38	08 38	
Weinweg	25 – 45	– 05 – 25 – 45	– 05 15 25 35 45 55	05 15 25 35 45 55	15 35 55	15 35	09 39	09 39	
Thomasinenweg	26 – 46	– 06 – 26 – 46	– 06 16 26 36 46 56	06 16 26 36 46 56	16 36 56	16 36	10 40	10 40	
Boessnerstraße	27 – 47	– 07 – 27 – 47	– 07 17 27 37 47 57	07 17 27 37 47 57	17 37 57	17 41	11 41	11 41	
Josef-Adler-Straße	28 – 48	– 08 – 28 – 48	– 08 18 28 38 48 58	08 18 28 38 48 58	18 38 58	18 42	12 42	12 42	
Albertus-Magnus-Gym.	29 – 49	– 09 – 29 – 49	– 09 19 29 39 49 59	09 19 29 39 49 59	19 39 59	19 43	13 43	13 43	
Gumpelzhaimerstraße	30 – 50	– 10 – 30 – 50	– 10 20 30 40 50 00	10 20 30 40 50 00	20 40 00	20 44	14 44	14 44	
Oskar-von-Miller-Straße	32 – 52	– 12 – 32 – 52	– 12 22 32 42 52 02	12 22 32 42 52 02	22 42 02	22 46	16 46	16 46	
Arnulfsplatz	35 – 55	– 15 – 35 – 55	– 15 25 35 45 55 05	15 25 35 45 55 05	25 45 05	25 49	19 49	19 49	
Keplerstraße	37 – 57	– 17 – 37 – 57	– 17 27 37 47 57 07	17 27 37 47 57 07	27 47 07	27 50	20 50	20 50	
Fischerwirt	38 – 58	– 18 – 38 – 58	– 18 28 38 48 58 08	18 28 38 48 58 08	28 48 08	28 51	21 51	21 51	
Thunderfenstraße	40 – 00	– 20 – 40 – 00	– 20 30 40 50 00 10	20 30 40 50 00 10	30 50 10	30 52	22 52	22 52	
Dachauplatz	44 – 04	– 24 – 44 – 04	– 24 34 44 54 04 14	24 34 44 54 04 14	34 54 14	34 55	25 55	25 55	
HBF/Albertstraße an	47 – 07	– 27 – 47 – 07	– 27 37 47 57 07 17	27 37 47 57 07 17	37 57 17	37 57	27 57	27 57	
HBF/Albertstraße ab	48 58 08	28 38 48 58 08	18 28 38 48 58 08	18 28 38 48 58 08	38 58 18	38 58	28 58	28 58	
HBF Süd/Arcaden	49 59 09	29 39 49 59 09	19 29 39 49 59 09	19 29 39 49 59 09	39 59 19	39 59	29 59	29 59	
Haydnstraße	50 00 10	30 40 50 00 10	20 30 40 50 00 10	20 30 40 50 00 10	40 00 20	40 00	30 00	30 00	
TechCampus/OTH	51 01 11	31 41 51 01 11	21 31 41 51 01 11	21 31 41 51 01 11	41 01 21	41 01	31 01	31 01	
Otto-Hahn-Straße	52 02 12	32 42 52 02 12	22 32 42 52 02 12	22 32 42 52 02 12	42 02 22	42 02	32 02	32 02	
Universität	55 05 15	35 45 55 05 15	25 35 45 55 05 15	25 35 45 55 05 15	45 05 25	45 05	35 05	35 05	
An der Kreuzbreite	56 06 16	36 46 56 06 16	26 36 46 56 06 16	26 36 46 56 06 16	46 06 26	46 06	36 06	36 06	
Neuprüll	57 07 17	37 47 57 07 17	27 37 47 57 07 17	27 37 47 57 07 17	47 07 27	47 07	37 07	37 07	
Klinikum West	59 09 19	39 49 59 09 19	29 39 49 59 09 19	29 39 49 59 09 19	49 09 29	49 09	39 09	39 09	
Klinikum	01 11 21	41 51 01 11 21	31 41 51 01 11 21	31 41 51 01 11 21	51 11 31	51 11	41 11	41 11	

Bus lines <u>from</u> the city <u>to</u> the university: 2, 4, 6, 11 (Monday – Friday)
(printed with kind permission of the RVV)

Linie **11**

Roter-Brach-Weg - Arnulfsplatz - HBF/Albertstraße - OTH - Universität - Burgweinting

gültig ab 13.12.2015

Montag - Freitag	5	6	7-12	13	14-17	18	19	20	21-22	23	0
Roter-Brach-Weg	18 30	04 21 41	01 21 41	– 01 21 41	01 21 41	01 21	02	22 52	23 53	23 53	23
Sportpark	20 40	02 22 42	02 22 42	– 02 22 42	02 22 42	02 22	03	23 53	24 54	24 54	24
Hermann-Köhl-Straße	20 40	02 22 42	02 22 42	– 02 22 42	02 22 42	02 22	03	23 53	24 54	24 54	24
Werner-Heisenberg-Straße	21 41	03 23 43	03 23 43	– 03 23 43	03 23 43	03 23	04	24 54	25 55	25 55	25
Weinbergstraße	22 42	04 24 44	04 24 44	– 04 24 44	04 24 44	04 24	05	25 55	26 56	26 56	26
Donaustraße	23 43	05 25 45	05 25 45	– 05 25 45	05 25 45	05 25	06	26 56	27 57	27 57	27
Obermünsterstraße	24 44	07 27 47	07 27 47	– 07 27 47	07 27 47	07 27	08	28 58	28 58	28 58	28
Goethe-Gymnasium	| |	| | |	| | |	05 | |	| | |	| |	|	| |	| |	| |	|
Hans-Sachs-Straße	25 45	08 28 48	08 28 48	06 28 48	08 28 48	08 28	09	29 59	29 59	29 59	29
Ostdeutsche Galerie	26 46	09 29 49	09 29 49	08 29 49	09 29 49	09 29	00	30 00	30 00	30 00	30
Arnulfsplatz	29 49	13 33 53	13 33 53	13 33 53	13 33 53	13 33	04	34 04	34 04	34 04	34
Keplerstraße	30 50	14 34 54	14 34 54	14 34 54	14 34 54	14 34	05	35 05	35 05	35 05	35
Bremer Platz	| |	| | |	| | |	12 | |	| | |	| |	|	| |	| |	| |	|
Justizgebäude	| |	| | |	| | |	14 | |	| | |	| |	|	| |	| |	| |	|
Frischmarkt	31 51	15 35 55	15 35 55	15 35 55	15 35 55	15 35	06	36 06	36 06	36 06	36
Thundorferstraße	32 52	16 36 56	16 36 56	16 36 56	16 36 56	16 36	07	37 07	37 07	37 07	37
Hauptbahnhof	34 54	18 38 58	18 38 58	18 38 58	18 38 58	18 38	09	39 09	39 09	39 09	39
HBF Albertstraße an	35 55	19 39 59	19 39 59	19 39 59	19 39 59	19 39	10	40 10	40 10	40 10	40
HBF Albertstraße ab	35 55	24 44 04	24 44 04	24 44 04	24 44 04	24 44	15	45 15	45 15	45 15	45
HBF Nordausgang	36 56	25 45 05	25 45 05	25 45 05	25 45 05	25 45	16	46 16	46 16	46 16	46
Evang. Zentralfriedhof	40 00	26 46 06	26 46 06	26 46 06	26 46 06	26 46	17	47 17	47 17	47 17	47
Clarenbach Friedhof	41 01	28 48 08	28 48 08	28 48 08	28 48 08	28 48	19	49 19	49 19	49 19	49
OTH Regensburg	42 02	29 49 09	29 49 09	29 49 09	29 49 09	29 49	20	50 20	50 20	50 20	50
Irlmeierstr.	44 04	31 51 11	31 51 11	31 51 11	31 51 11	31 51	22	52 22	52 22	52 22	52
Otto-Hahn-Straße	46 06	34 54 14	34 54 14	34 54 14	34 54 14	34 54	25	55 25	55 25	55 25	55
Am Gereuth	47 07	36 56 16	36 56 16	36 56 16	36 56 16	36 56	27	57 27	57 27	57 27	57
Franz-Hanfi-Straße	48 08	37 57 17	37 57 17	37 57 17	37 57 17	37 57	28	58 28	58 28	58 28	58
Johann-Hösl-Straße	49 09	38 58 18	38 58 18	38 58 18	38 58 18	38 58	29	59 29	59 29	59 29	59
Schwabelweisstraße	50 10	39 59 19	39 59 19	39 59 19	39 59 19	39 59	30	00 30	00 30	00 30	00
Schmidberger Straße	50 10	40 00 20	40 00 20	40 00 20	40 00 20	40 00	31	01 31	01 31	01 31	01
Benzstraße	51 11	41 01 21	41 01 21	41 01 21	41 01 21	41 01	32	02 32	02 32	02 32	02
Stallerhofstraße	| |	| | |	| | |	21 | |	| | |	| |	|	| |	| |	| |	|
Bajuwarenstraße	| |	| | |	| | |	22 | |	| | |	| |	|	| |	| |	| |	|
Burgweinting Kirche	53 13	43 03 23 43	03 23 43	03 23 43	03 23 43	03 23	34	04 34	04 34	04 34	04
Frank-Viehbacher-Allee	54 14	44 04 24 44	04 24 44	04 24 44	04 24 44	04 24	35	05 35	05 35	05 35	05
Kastner Weg	55 15	46 06 26 46	06 26 46	06 26 46	06 26 46	06 26	37	07 37	07 37	07 37	07
Droste-Hülshoff-Weg	56 16	47 07 27 47	07 27 47	07 27 47	07 27 47	07 27	38	08 38	08 38	08 38	08
Langer Weg	57 17	48 08 28 48	08 28 48	08 28 48	08 28 48	08 28	39	09 39	09 39	09 39	09
Sophie-Scholl-Straße	58 18	49 09 29 49	09 29 49	09 29 49	09 29 49	09 29	40	10 40	10 40	10 40	10
Heinrich-Heine-Straße	59 19	50 10 30 50	10 30 50	10 30 50	10 30 50	10 30	41	11 41	11 41	11 41	11

Bus lines <u>from</u> the university <u>to</u> the city: 2, 4, 6, 11 (Monday – Friday)

(printed with kind permission of the RVV)

Linie 2

2A (Graß -) Karl-Stieler-Str. - HBF/Albertstr. - Schwabenstr.

2B Karl-Stieler-Str. - Universität - HBF/Albertstr. - Schwabenstr.

gültig ab 15.09.2015

Montag - Freitag	5 / 6 / 7 / 8-17 / 18 / 19 / 20 / 21-22 / 0
VERKEHRSHINWEIS	B B B / B B B / B B B
➡ Universität	| | | | | | | | | | | 13 | 33 | 53 | 13 | 33 | 53 | 13 | 33 | 53 | | | | | |
Wolfgangschule Nord	| | | | | | | | | | | 15 | 35 | 55 | 15 | 35 | 55 | 15 | 35 | 55 | | | | | |
Wolfgangschule Süd	15 35 45 55 05 15 25 35 45 55 05 | 25 | 45 | 05 | 25 | 45 | 05 | 25 | 45 | 09 39 09 41 11 41
Theodor-Storm-Straße	17 37 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 10 40 10 42 12 42
Augsburger Straße	18 38 47 57 07 17 27 37 47 57 07 17 27 37 47 57 07 17 27 37 47 57 07 17 27 37 47 57 11 41 11 43 13 43
Theresienkirche	20 40 49 59 09 19 29 39 49 59 09 19 29 39 49 59 09 19 29 39 49 59 09 19 29 39 49 59 13 43 13 44 14 44
Justizgebäude	22 42 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 15 45 15 46 16 46
Bismarckplatz	23 43 52 02 12 22 32 42 52 02 12 22 32 42 52 02 12 22 32 42 52 02 12 22 32 42 52 02 16 46 16 47 17 47
Arnulfsplatz	24 44 54 04 14 24 34 44 54 04 14 24 34 44 54 04 14 24 34 44 54 04 14 24 34 44 54 04 18 48 18 49 19 49
Keplerstraße	25 45 55 05 15 25 35 45 55 05 15 25 35 45 55 05 15 25 35 45 55 05 15 25 35 45 55 05 19 49 19 50 20 50
Fischmarkt	26 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 20 50 20 51 21 51
Thundorferstraße	27 47 58 08 18 28 38 48 58 08 18 28 38 48 58 08 18 28 38 48 58 08 18 28 38 48 58 08 22 52 22 52 22 52
Dachauplatz	29 49 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 25 55 25 55 25 55
HBF/Albertstraße an	32 52 05 15 25 35 45 55 05 15 25 35 45 55 05 15 25 35 45 55 05 15 25 35 45 55 05 15 29 59 29 57 27 57
HBF/Albertstraße ab	33 53 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 30 00 30 00 30 00
Stobäusplatz	35 55 08 18 28 38 48 58 08 18 28 38 48 58 08 18 28 38 48 58 08 18 28 38 48 58 08 18 32 02 32 02 32 02
[illegible]-Straße	36 56 10 20 30 40 50 00 10 20 30 40 50 00 10 20 30 40 50 00 10 20 30 40 50 00 10 20 34 04 34 03 33 03
Safferlingstraße	37 57 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 31 41 51 01 11 21 35 05 35 04 34 04
Krankenhaus St. Josef	38 58 12 22 32 42 52 02 12 22 32 42 52 02 12 22 32 42 52 02 12 22 32 42 52 02 12 22 36 06 36 05 35 05
Zeißstraße	39 59 13 23 33 43 53 03 13 23 33 43 53 03 13 23 33 43 53 03 13 23 33 43 53 03 13 23 37 07 37 06 36 06
Bajuwarenstraße	40 00 14 24 34 44 54 04 14 24 34 44 54 04 14 24 34 44 54 04 14 24 34 44 54 04 14 24 38 08 38 07 37 07
Ikeastraße	41 01 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 36 46 56 06 16 26 40 10 40 08 38 08
Schneeberger Straße	42 02 17 27 37 47 57 07 17 27 37 47 57 07 17 27 37 47 57 07 17 27 37 47 57 07 17 27 41 11 41 09 39 09
Schwabenstraße	43 03 19 29 39 49 59 09 19 29 39 49 59 09 19 29 39 49 59 09 19 29 39 49 59 09 19 29 43 13 43 11 41 11

Linie 4

(Universität - Lilienthalstraße -)

Arnulfsplatz - Weichs - Danziger Freiheit

gültig ab 23.12.2015

Montag - Freitag	5 / 6 / 7-10 / 11-12 / 13 / 14-18 / 19 / 20-22 / 23 / 0
VERKEHRSHINWEIS	S S
➡ Universität	– – – – 33 53 13 33 53 13 – 33 53 – 13 33 53 13 33 53 13 00 – 30 – – – –
Wolfgangschule Süd	– – – – | | | | | | – | | 05 | | | | | | | | – | – – – –
Wolfgangschule Nord	– – – – 35 55 15 35 55 15 – 35 55 | 15 35 55 15 35 55 15 02 – 32 – – – –
Theodor-Storm-Straße	– – – – 36 56 16 36 56 16 – 36 56 | 16 36 56 16 36 56 16 03 – 33 – – – –
Nibelungenstraße	– – – – 37 57 17 37 57 17 – 37 57 | 17 37 57 17 37 57 17 04 – 34 – – – –
[illegible]	– – – – 38 58 18 38 58 18 – 38 58 | 18 38 58 18 38 58 18 05 – 35 – – – –
[illegible]straße	– – – – 39 59 19 39 59 19 29 39 59 09 19 39 59 19 39 59 19 06 – 36 – – – –
Dr.-Gessler-Straße	– – – – 40 00 20 40 00 20 30 40 00 10 20 40 00 20 40 00 20 – – – – – – –
Dr.-Gessler-Straße	– – – – 40 00 20 40 00 20 30 40 00 10 20 40 00 20 40 00 20 – – – – – – –
Dürerstraße	– – – – 41 01 21 41 01 21 31 41 01 11 21 41 01 21 41 01 21 – – – – – – –
[illegible]straße	– – – – 42 02 22 42 02 22 32 42 02 12 22 42 02 22 42 02 22 – – – – – – –
Dechbetten TRUX FRANZ	– – – – 44 04 24 44 04 24 34 44 04 14 24 44 04 24 44 04 24 – – – – – – –
Dechbetten	– – – – | | | | | | 34 | | 05 | | | | | | | – – – – – – –
Lilienthalstraße	– – – – 46 06 26 46 06 26 – 46 06 – 26 46 06 26 46 06 26 – – – – – – –
Margaretenau/KH Barm. Brüder	– – – – 48 08 28 48 08 28 – 48 08 – 28 48 08 28 48 08 28 – – – – – – –
[illegible]	– – – – 49 09 29 49 09 29 – 49 09 – 29 49 09 29 49 09 29 – – – – – – –
[illegible]straße	– – – – 50 10 30 50 10 30 – 50 10 – 30 50 10 30 50 10 30 – – – – – – –
Taxisstraße	– – – – 52 12 32 52 12 32 – 52 12 – 32 52 12 32 52 12 32 – – – – – – –
Arnulfsplatz	41 01 21 41 55 15 35 55 15 35 – 55 15 – 35 55 15 35 55 15 35 – 08 – 38 08 38 08
Keplerstraße	42 02 22 42 56 16 36 56 16 36 – 56 16 – 36 56 16 36 56 16 36 – 07 – 37 07 37 07
Fischmarkt	43 03 23 43 57 17 37 57 17 37 – 57 17 – 37 57 17 37 57 17 37 – 08 – 38 08 38 08
Thundorferstraße	44 04 24 44 59 19 39 59 19 39 – 59 19 – 39 59 19 39 59 19 39 – 09 – 39 09 39 09
Eiserne Brücke	45 05 25 45 01 21 41 01 21 41 – 01 21 – 41 01 21 41 01 21 41 – 10 – 40 10 40 10
Wöhrdstraße	46 06 26 46 02 22 42 02 22 42 – 02 22 – 42 02 22 42 02 22 42 – 11 – 41 11 41 11
Weichs/DEZ	48 08 28 48 04 24 44 04 24 44 – 04 24 – 44 04 24 44 04 24 44 – 13 – 43 13 43 13
Donaustaufer Straße	49 09 29 49 05 25 45 05 25 45 – 05 25 – 45 05 25 45 05 25 45 – 14 – 44 14 44 14
Nordgaustraße	50 10 30 50 07 27 47 07 27 47 – 07 27 – 47 07 27 47 07 27 47 – 15 – 45 15 45 15
Schulzentrum [illegible]straße	51 11 31 51 08 28 48 08 28 48 – 08 28 – 48 08 28 48 08 28 48 – 16 – 46 16 46 16
Lechstraße	52 12 32 52 09 29 49 09 29 49 – 09 29 – 49 09 29 49 09 29 49 – 17 – 47 17 47 17
[illegible]straße	54 14 34 54 11 31 51 11 31 51 – 11 31 – 51 11 31 51 11 31 51 – 19 – 49 19 49 19
[illegible]	56 16 36 56 13 33 53 13 33 53 – 13 33 – 53 13 33 53 13 33 53 – 21 – 51 21 51 21
Danziger Freiheit	58 18 38 58 15 35 55 15 35 55 – 15 35 – 55 15 35 55 15 35 55 – 23 – 53 23 53 23

Bus lines from the city to the university: 2, 4, 6, 11 (Monday – Friday)

(printed with kind permission of the RVV)

Linie **6** Klinikum - Universität - HBF/Albertstraße - Arnulfsplatz - Westbad - Wernerwerkstraße

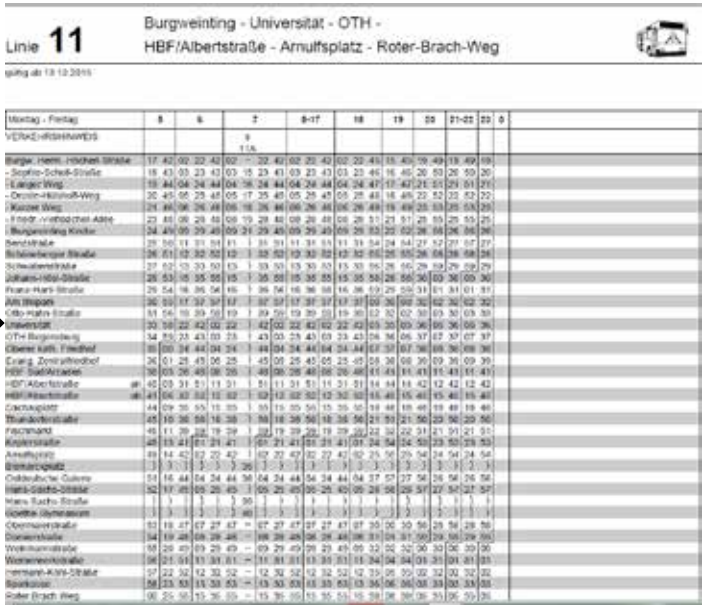
Montag - Freitag	5		6				7						8						9						10	
Klinikum	37	57	15	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15
Neuprüll	38	58	16	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16
An der Kreuzbreite	39	59	17	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17
Universität	40	00	18	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18
Otto-Hahn-Straße	42	02	21	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21
TechCampus/OTH	43	03	22	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22
Haydnstraße	44	04	23	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23
HBF Süd/Arcaden	45	05	25	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25
HBF/Albertstraße an	47	07	27	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27
HBF/Albertstraße ab	48	08	28	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	—	18	—
Dachauplatz	50	10	32	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	—	22	—
Thundorferstraße	52	12	34	54	04	14	24	34	44	54	04	14	24	34	44	54	04	14	24	34	44	54	04	—	24	—
Fischmarkt	53	13	36	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	—	26	—
Keplerstraße	54	14	37	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	—	27	—
Arnulfsplatz	55	15	38	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	—	28	—
Ostdeutsche Galerie	57	17	41	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	—	31	—
Gumpelzhaimerstraße	58	18	42	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	—	32	—
Albertus-Magnus-Gym.	59	19	43	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	—	33	—
Josef-Adler-Straße	00	20	44	04	14	24	34	44	54	04	14	24	34	44	54	04	14	24	34	44	54	04	14	—	34	—
Boessnerstraße	01	21	46	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	—	36	—
Weinweg	02	22	47	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	—	37	—
Westheim	03	23	48	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	—	38	—
Westbad	05	25	50	10	20	30	40	50	00	10	20	30	40	50	00	10	20	30	40	50	00	10	20	—	40	—
Wernerwerkstraße	07	27	52	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	—	42	—

Montag - Freitag	10				11-13						14						15						16-17						18						19
Klinikum	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05
Neuprüll	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	56	06
An der Kreuzbreite	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07
Universität	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	58	08
Otto-Hahn-Straße	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	51	01	11
TechCampus/OTH	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	02	12
Haydnstraße	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	53	03	13
HBF Süd/Arcaden	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15	25	35	45	55	05	15
HBF/Albertstraße an	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	57	07	17
HBF/Albertstraße ab	38	—	58	—	18	—	38	—	58	—	18	—	38	—	58	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	—	48	—	08	—
Dachauplatz	42	—	02	—	22	—	42	—	02	—	22	—	42	—	02	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	—	52	—	12	—
Thundorferstraße	44	—	04	—	24	—	44	—	04	—	24	—	44	—	04	14	24	34	44	54	04	14	24	34	44	54	04	14	24	34	—	54	—	14	—
Fischmarkt	46	—	06	—	26	—	46	—	06	—	26	—	46	—	06	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	—	56	—	16	—
Keplerstraße	47	—	07	—	27	—	47	—	07	—	27	—	47	—	07	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	—	57	—	17	—
Arnulfsplatz	48	—	08	—	28	—	48	—	08	—	28	—	48	—	08	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	—	58	—	18	—
Ostdeutsche Galerie	51	—	11	—	31	—	51	—	11	—	31	—	51	—	11	21	31	41	51	01	11	21	31	41	51	01	11	21	31	41	—	01	—	21	—
Gumpelzhaimerstraße	52	—	12	—	32	—	52	—	12	—	32	—	52	—	12	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	—	02	—	22	—
Albertus-Magnus-Gym.	53	—	13	—	33	—	53	—	13	—	33	—	53	—	13	23	33	43	53	03	13	23	33	43	53	03	13	23	33	43	—	03	—	23	—
Josef-Adler-Straße	54	—	14	—	34	—	54	—	14	—	34	—	54	—	14	24	34	44	54	04	14	24	34	44	54	04	14	24	34	44	—	04	—	24	—
Boessnerstraße	56	—	16	—	36	—	56	—	16	—	36	—	56	—	16	26	36	46	56	06	16	26	36	46	56	06	16	26	36	46	—	06	—	26	—
Weinweg	57	—	17	—	37	—	57	—	17	—	37	—	57	—	17	27	37	47	57	07	17	27	37	47	57	07	17	27	37	47	—	07	—	27	—
Westheim	58	—	18	—	38	—	58	—	18	—	38	—	58	—	18	28	38	48	58	08	18	28	38	48	58	08	18	28	38	48	—	08	—	28	—
Westbad	00	—	20	—	40	—	00	—	20	—	40	—	00	—	20	30	40	50	00	10	20	30	40	50	00	10	20	30	40	50	—	10	—	30	—
Wernerwerkstraße	02	—	22	—	42	—	02	—	22	—	42	—	02	—	22	32	42	52	02	12	22	32	42	52	02	12	22	32	42	52	—	12	—	32	—

Montag - Freitag	19			20			21-23		0
Klinikum	17	32	47	02	17	47	17	47	
Neuprüll	18	33	48	03	18	48	18	48	
An der Kreuzbreite	19	34	49	04	19	49	19	49	
Universität	20	35	50	05	20	50	20	50	
Otto-Hahn-Straße	23	38	53	08	23	52	22	52	
TechCampus/OTH	24	39	54	09	24	53	23	53	
Haydnstraße	25	40	55	10	25	54	24	54	
HBF Süd/Arcaden	27	42	57	12	27	55	25	55	
HBF/Albertstraße an	29	44	59	14	29	57	27	57	
HBF/Albertstraße ab	30	45	00	—	30	00	30	00	
Dachauplatz	34	49	04	—	34	03	33	03	
Thundorferstraße	36	51	06	—	36	05	35	05	
Fischmarkt	38	53	08	—	38	06	36	06	
Keplerstraße	39	54	09	—	39	07	37	07	
Arnulfsplatz	40	55	10	—	40	08	38	08	
Ostdeutsche Galerie	43	58	13	—	43	10	40	10	
Gumpelzhaimerstraße	44	59	14	—	44	11	41	11	
Albertus-Magnus-Gym.	45	00	15	—	45	12	42	12	
Josef-Adler-Straße	46	01	16	—	46	13	43	13	
Boessnerstraße	48	03	18	—	48	14	44	14	
Weinweg	49	04	19	—	49	15	45	15	
Westheim	50	05	20	—	50	16	46	16	
Westbad	52	07	22	—	52	18	48	18	
Wernerwerkstraße	54	09	24	—	54	20	50	20	

Bus lines <u>from</u> the university <u>to</u> the city: 2, 4, 6, 11 (Monday – Friday)

(printed with kind permission of the RVV)



Linie **11**

Burgweinting - Universitat - OTH -
HBF/Albertstraße - Amulfsplatz - Roter-Brach-Weg

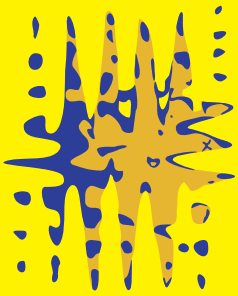
gültig ab 13.12.2015

Montag - Freitag	8	8	7	8+17	18	19	20	21-23	23	0
VERKEHRSHINWEIS			9 11A							
Burgw. Hermi.-Höcherl-Straße	17 42	02 22 42	02 22 42	02 22 42	02 22 42	15 45	15 45	15 45	15 45	15
- Sophie-Scholl-Straße	18 43	03 23 43	03 23 43	03 23 43	03 23 43	16 46	16 46	16 46	16 46	16
- Langer Weg	19 44	04 24 44	04 24 44	04 24 44	04 24 44	17 47	17 47	17 47	17 47	17
- Dessie-Hallhoff-Weg	20 45	05 25 45	05 25 45	05 25 45	05 25 45	18 48	18 48	18 48	18 48	18
- Kaiser Weg	21 46	06 26 46	06 26 46	06 26 46	06 26 46	19 49	19 49	19 49	19 49	19
- Friedr.-Wilhelm-Allee	23 48	08 28 48	08 28 48	08 28 48	08 28 48	21 51	21 51	21 51	21 51	21
- Burgweinting Kirche	24 49	09 29 49	09 29 49	09 29 49	09 29 49	22 52	22 52	22 52	22 52	22
Bernhstraße	25 50	10 30 50	10 30 50	10 30 50	10 30 50	23 53	23 53	23 53	23 53	23
Schleiermacher Straße	26 51	11 31 51	11 31 51	11 31 51	11 31 51	24 54	24 54	24 54	24 54	24
Schwabenstraße	27 52	12 32 52	12 32 52	12 32 52	12 32 52	25 55	25 55	25 55	25 55	25
Johann-Hösl-Straße	28 53	13 33 53	13 33 53	13 33 53	13 33 53	26 56	26 56	26 56	26 56	26
Franz-Hals-Straße	29 54	14 34 54	14 34 54	14 34 54	14 34 54	27 57	27 57	27 57	27 57	27
Am Stopfer	30 55	15 35 55	15 35 55	15 35 55	15 35 55	28 58	28 58	28 58	28 58	28
Otto-Hahn-Straße	31 56	16 36 56	16 36 56	16 36 56	16 36 56	29 59	29 59	29 59	29 59	29
Haderstr.	32 57	17 37 57	17 37 57	17 37 57	17 37 57	30 00	30 00	30 00	30 00	30
OTH Burgweinting	34 59	19 39 59	19 39 59	19 39 59	19 39 59	32 02	32 02	32 02	32 02	32
Oberer kath. Friedhof	35 00	20 40 00	20 40 00	20 40 00	20 40 00	33 03	33 03	33 03	33 03	33
Evang. Zentralfriedhof	36 01	21 41 01	21 41 01	21 41 01	21 41 01	34 04	34 04	34 04	34 04	34
HBF Südtangente	38 03	23 43 03	23 43 03	23 43 03	23 43 03	36 06	36 06	36 06	36 06	36
HBF/Albertstraße an	40 05	25 45 05	25 45 05	25 45 05	25 45 05	38 08	38 08	38 08	38 08	38
HBF/Albertstraße ab	44 09	29 49 09	29 49 09	29 49 09	29 49 09	42 12	42 12	42 12	42 12	42
Ostengstr.	44 09	29 49 09	29 49 09	29 49 09	29 49 09	42 12	42 12	42 12	42 12	42
Thundorferstraße	45 10	30 50 10	30 50 10	30 50 10	30 50 10	43 13	43 13	43 13	43 13	43
Fischmarkt	46 11	31 51 11	31 51 11	31 51 11	31 51 11	44 14	44 14	44 14	44 14	44
Keplerstraße	48 13	33 53 13	33 53 13	33 53 13	33 53 13	46 16	46 16	46 16	46 16	46
Arnulfsplatz	49 14	34 54 14	34 54 14	34 54 14	34 54 14	47 17	47 17	47 17	47 17	47
Bismarckplatz	50 15	35 55 15	35 55 15	35 55 15	35 55 15	48 18	48 18	48 18	48 18	48
Ostbahnhof Ostkreuz	51 16	36 56 16	36 56 16	36 56 16	36 56 16	49 19	49 19	49 19	49 19	49
Hans-Sachs-Straße	52 17	37 57 17	37 57 17	37 57 17	37 57 17	50 20	50 20	50 20	50 20	50
Hans Sachs-Straße	|	| |	| |	| |	| |	| |	| |	| |	| |	|
Goethe Gymnasium	|	| |	| |	| |	| |	| |	| |	| |	| |	|
Obermünsterstraße	53 18	38 58 18	38 58 18	38 58 18	38 58 18	51 21	51 21	51 21	51 21	51
Domerschule	54 19	39 59 19	39 59 19	39 59 19	39 59 19	52 22	52 22	52 22	52 22	52
Weichshofstraße	55 20	40 00 20	40 00 20	40 00 20	40 00 20	53 23	53 23	53 23	53 23	53
Wiesenweiherstraße	56 21	41 01 21	41 01 21	41 01 21	41 01 21	54 24	54 24	54 24	54 24	54
Hermann-Köhl-Straße	57 22	42 02 22	42 02 22	42 02 22	42 02 22	55 25	55 25	55 25	55 25	55
Sportpark	58 23	43 03 23	43 03 23	43 03 23	43 03 23	56 26	56 26	56 26	56 26	56
Roter Brach Weg	00 25	45 05 25	45 05 25	45 05 25	45 05 25	58 28	58 28	58 28	58 28	58

For more information, the whole bus stops, the timetable of Saturday and Sunday and other public bus lines please refer to

<u>www.rvv.de</u>

or contact our Info Desk in the Main Lecture Hall (Foyer Audimax)!



20. DEUTSCHE PHYSIKERINNENTAGUNG

3. – 6. November 2016
Hamburg

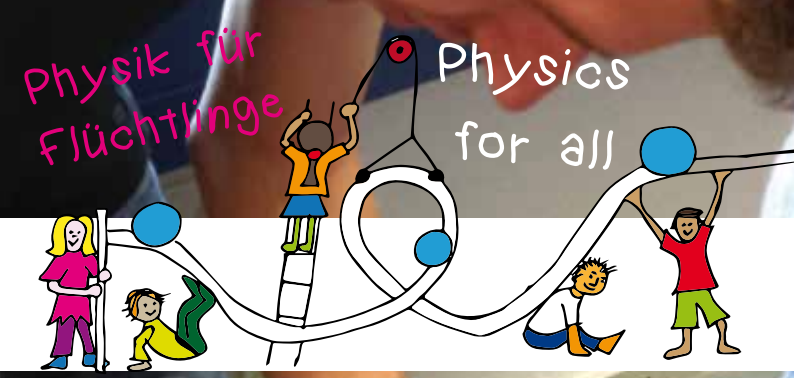
- Fach- & gesellschaftswissenschaftliche Vorträge
- Mit Physikerinnen in Forschung, Wirtschaft & Industrie
- Schülerinnenprogramm
- Laborführungen
- Peer-Coachings (Wissenschaft, Industrie, Schule)

Weitere Infos folgen unter
www.physikerinnentagung.de

DPG

Physik für Flüchtlinge

Physics for all



Du willst Dich ehrenamtlich für Flüchtlinge in ganz Deutschland engagieren?

Du kennst Flüchtlingseinrichtungen in Deiner Region, die teilnehmen möchten?

Dann melde Dich hier zum „Physik für Flüchtlinge“-Newsletter an und erfahre, wie es weitergeht!

Mehr Infos:
pff.dpg-physik.de

„Physik für Flüchtlinge“ bringt Kindern und Jugendlichen in Flüchtlingsunterkünften deutschlandweit Physik spielerisch und anhand einfacher Experimentier-Aufgaben näher. Die Experimente werden unter Anleitung freiwilliger Helferinnen und Helfer nachgemacht. Das physikalisch-spielerische Experimentieren soll eine Ablenkung vom Alltag bieten und eine Geste der Willkommenskultur vermitteln.

GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN

Deutsche Physikalische Gesellschaft DPG

GEFÖRDERT VOM

Bundesministerium für Bildung und Forschung

Unsere Produkte für Ihre Forschung

Profitieren Sie von unserer Erfahrung

- **Materialwissenschaften**
  Systeme zur Messung magnetischer, mechanischer, optischer und thermischer Materialeigenschaften
- **Spektroskopie**
  Spektrometer, modulare optische Spektroskopie und Komponenten
- **Imaging**
  Imaging Systeme und wissenschaftliche Kameras von Röntgen bis IR
- **Kryotechnologie**
  Heliumverflüssiger, Kryostate und kryogene Kontrollsysteme
- **Elektronenmikroskopie**
  Desktop REM, In-situ Probentische für EM/TEM/CT, Probenpräparation, Detektoren und Zubehör

www.lot-qd.com

LOT-QuantumDesign GmbH
www.lot-qd.com
✆ **+49 6151 8806-0,** ✉ **inf@lot-qd.de**