HeKKSaGOn – The German-Japanese University Network

5th Japanese–German University Presidents' Conference

Fostering Student Mobility to shape tomorrow’s Researchers and Innovators

September 29th and 30th, 2016
Karlsruhe Institute of Technology (KIT)
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Agenda

- Official Plenary Program
- Scientific Program
- Networking Program
Thursday, September 29th

8:05 a.m.  Pick-up from B&B Hotel
8:15 a.m.  Pick-up from Novotel
8:25 a.m.  Pick-up from ibis Hotel and Schlosshotel in front of ibis Hotel
8:35 a.m.  Pick-up from ACHAT Plaza Hotel

We kindly ask you to be ready for pick-up in the hotel lobby five minutes before departure.

Guided KIT Campus Tours

9:00 a.m. – 12:00 noon
Visiting & Lab Tour Campus North and Campus South (optional)

1) KIT Campus South Lab Tour – Visit to different high-end labs at our university campus, embedded in a motivating study environment

2) KIT Historical Tour – Follow KIT from its early beginnings as Polytechnical School on its way to the unique Research University in the Helmholtz Association

3) Large-scale Research Facilities Tour Campus North – Visit to some of KIT's most fascinating research laboratories operating in the range from fundamental to applied research

1st Japanese-German HeKKSaGOn Students’ Workshop

9:00 a.m. – 12:00 noon
“Bridging Cultures through Mobility in Research, Higher Education and Innovation” – Part I Discussion
Building 10.11, Room 111.1 / 111.2, Kaiserstraße 12

Hotel Pick-up for guests who do not wish to participate in the guided KIT Campus Tours:

11:30  Novotel
11:40  ibis Hotel
11:50  ACHAT Plaza Hotel
12:00 noon – 1:00 p.m.  Registration and Lunch
“Würth Building” 11.30, Foyer, Engelbert-Arnold-Straße 2

Opening Ceremony

Conference “Fostering Student Mobility to shape tomorrow’s Researchers and Innovators”

“Würth Building” 11.30, Senatssaal, 3rd Floor, Engelbert-Arnold-Straße 2

Chair: Prof. Dr.-Ing. Holger Hanselka, President KIT

1:00 p.m. – 1:30 p.m.
Welcome and Opening Remarks

Prof. Dr.-Ing. Holger Hanselka, President KIT
Wolfram Jäger, First Mayor, City of Karlsruhe
Prof. Dr. Susumu Satomi, President Tohoku University
Hidenao Yanagi, Consul General, Consulate General of Japan in Munich

1:30 p.m. – 2:30 p.m.
Overview on funding schemes for Japanese-German Cooperation Projects

Dr. Holger Finken, Head of Section Research Fellowship Programs, German Academic Exchange Service (DAAD)
Prof. Dr. Keiichi Kodaira, Director of Bonn Office, Japan Society for the Promotion of Science (JSPS)
Dr. Franziska Langer, Program Officer Asia, International Affairs, German Research Foundation (DFG)

2:30 p.m. – 3:00 p.m.  Keynote: „Going Abroad – Founding at home. International Experience as an asset for start-up entrepreneurs”

Christopher Kränzler, lengoo GmbH

3:00 p.m. – 3:30 p.m.  Coffee Break
Plenary Session

3:30 p.m. – 4:30 p.m.
Working Group Reports 2015 – 2016 (5 minutes each)

Working Group I  Prof. Dr. Martin Bastmeyer, KIT
Working Group II  Prof. Dr. Markus Enders, Heidelberg University
Working Group III  Prof. Dr. Harald Fuess, Heidelberg University
Working Group IV  Prof. Dr. Friedemann Wenzel, KIT
Working Group V  Prof. Dr. Kiyoshi Ueda, Tohoku University
Working Group VI  Prof. Dr.-Ing. Tamim Asfour, KIT
Working Group VII  PD Dr. Stephanie Witt, Heidelberg University
Working Group VIII  Prof. Dr. Wilderich Tuschmann, KIT

4:30 p.m. – 6:00 p.m.
HeKKSaGOn Universities Presentations (15 minutes each)
“Fostering Student Mobility to shape tomorrow’s Researchers and Innovators”

Prof. Dr. Bernhard Eitel, President Heidelberg University
Prof. Dr. Juichi Yamagiwa, President Kyoto University
Prof. Dr.-Ing. Holger Hanselka, President KIT
Prof. Dr. Susumu Satomi, President Tohoku University
Prof. Dr. Ulrike Beisiegel, President University of Göttingen
Prof. Dr. Shojiro Nishio, President Osaka University

6:15 p.m.  Transfer to Dinner Place

7:30 p.m. – 10:00 p.m.  Welcome Dinner
Winery Dr. Steiner, Siebeldingen, Pfalz

Welcome Toasts

Prof. Dr.-Ing. Holger Hanselka, President KIT
Prof. Dr. Bernhard Eitel, President Heidelberg University
Prof. Dr. Juichi Yamagiwa, President Kyoto University

10:00 p.m.  Transfer back to hotels
Friday, September 30th

8:05 a.m.  Pick-up from B&B Hotel
8:15 a.m.  Pick-up from Novotel
8:25 a.m.  Pick-up from ibis Hotel and Schlosshotel in front of ibis Hotel
8:35 a.m.  Pick-up from ACHAT Plaza Hotel

We kindly ask you to be ready for pick-up in the hotel lobby five minutes before departure.

Parallel Session I:

9:00 a.m. – 12:00 noon
Closed Presidents’ Meeting
Discussion on the future development of HeKKSaGOn
“Würth Building” 11.30, Room 206, 2nd Floor, Engelbert-Arnold-Straße 2
Chair: Prof. Dr.-Ing. Holger Hanselka, President KIT

Parallel Session II:

9:00 a.m. – 12:00 noon
1st Japanese-German HeKKSaGOn Students’ Workshop
“Bridging Cultures through Mobility in Research, Higher Education and Innovation” – Part II Preparation of Presentation
Building 10.11, Room 111.1 / 111.2, Kaiserstraße 12
Parallel Sessions III:

9:00 a.m. – 12:00 noon

Work Group Meetings

KIT Department of Mathematics, Building 20.30, Englerstraße 2

I Life and Natural Science Fusion
Room 0.014, Ground floor
Chair: Prof. Dr. Martin Bastmeyer, KIT
Co-Chair: Prof. Dr. Motomu Tanaka, Kyoto University and Heidelberg University

II Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology
Room 0.016, Ground floor
Chair: Prof. Dr. Markus Enders, Heidelberg University
Co-Chair: Prof. Dr. Masahiro Yamashita, Tohoku University

III Social Sciences and Humanities
Room 0.019, Ground floor
Chair: Prof. Dr. Harald Fuess, Heidelberg University
Co-Chair: Dr. Alexandra Hausstein, KIT

IV Disaster Risk and Response – Scientific and Technological Issues
Room 1.008, Basement
Chair: Prof. Dr. Friedemann Wenzel, KIT
Co-Chair: Prof. Dr. Koshimura Shunichi, Tohoku University

V Dynamic Imaging for Physical, Chemical and Biological Interests
Room 1.009, Basement
Chair: Prof. Dr. Kiyoshi Ueda, Tohoku University
Co-Chair: Prof. Dr. Lorenz S. Cederbaum, Heidelberg University

VI Robotics – Challenges and Opportunities in the 21st Century
Room 1.011, Basement
Chair: Prof. Dr.-Ing. Tamim Asfour, KIT
Co-Chair: Prof. Dr. Kazuhiro Kosuge, Tohoku University

VII Japanese-German Neuroscience Research Network Focusing on Psychosis, Affective Disorders and Related Traits
Room 1.012, Basement
Chair: PD Dr. Stephanie Witt, Heidelberg University
Co-Chair: Prof. Dr. Hiroaki Tomita, Tohoku University
VIII  Mathematics at the Interface of Science and Technology towards Innovation  
   – Seeds in Mathematics versus Needs outside Mathematics  
   Room 1.013, Basement  
   Chair: Prof. Dr. Wilderich Tuschmann, KIT  
   Co-Chair: Prof. Dr. Takashi Suzuki, Osaka University  

IX  New Working Group “Data Science”  
   Room 1.014, Basement  
   Chair: Prof. Dr. Ramin Yahyapour, University of Göttingen  

12:00 noon – 1:30 p.m.  Lunch  
KIT Department of Mathematics, Building 20.30, Foyer  

1:30 p.m. – 2:00 p.m.  Group Photo  
Stairs in front of KIT Department of Mathematics, Building 20.30  

Plenary Session  
“Würth Building”  11.30, Senatssaal, 3rd Floor, Engelbert-Arnold-Straße 2  
Chair: Prof. Dr.-Ing. Holger Hanselka, President KIT  

2:00 p.m. – 2:20 p.m.  Summary Report of the 1st HeKKSaGOn Student Workshop  

2:20 p.m. – 4:15 p.m.  Summary Reports of the Work Group Meetings  
10 minutes each  
Working Group I  Prof. Dr. Martin Bastmeyer, KIT  
Working Group II  Prof. Dr. Markus Enders, Heidelberg University  
Working Group III  Prof. Dr. Harald Fuess, Heidelberg University  
Working Group IV  Prof. Dr. Friedemann Wenzel, KIT  
Working Group V  Prof. Dr. Kiyoshi Ueda, Tohoku University  
Working Group VI  Prof. Dr.-Ing. Tamim Asfour, KIT  
Working Group VII  PD Dr. Stephanie Witt, Heidelberg University  
Working Group VIII  Prof. Dr. Wilderich Tuschmann, KIT  
Working Group IX  Prof. Dr. Ramin Yahyapour, University of Göttingen
4:15 p.m. – 4:45 p.m.  Coffee Break

Closing Ceremony

4:45 p.m. – 5:00 p.m.
Summary Report of the Closed Presidents’ Meeting
Prof. Dr.-Ing. Holger Hanselka, President KIT

5:00 p.m. – 5:30 p.m.
Signing of the Joint Statement & Exchange of Presents
HeKKSaGOn University Presidents
Closing Remarks
Prof. Dr.-Ing. Holger Hanselka, President KIT

5:45 p.m.  Transfer to Dinner Place

6:15 p.m. – 9:00 p.m.  Farewell Dinner
Restaurant Kesselhaus

Toasts
Prof. Dr. Susumu Satomi, President Tohoku University
Prof. Dr. Ulrike Beisiegel, President University of Göttingen
Prof. Dr. Shojiro Nishio, President Osaka University

9:00 p.m.  Transfer back to hotels
Venue Map of KIT

- **Building 10.11** Kaiserstraße 12
- **“Würth Building” 11.30** Engelbert-Arnold-Straße 2
- **Building 20.30** KIT Department of Mathematics, Englerstraße 2
Curriculum Vitae
of University Representatives
Prof. Dr. rer. nat. habil. Dr. h.c. Bernhard Eitel
President of Heidelberg University
Dr. h.c. Comenius University Bratislava

Personal Information

1959 Born in Karlsruhe

Education

1994 Habilitation, Department of Geography, University of Stuttgart
1989 Doctorate, Department of Geography, University of Stuttgart (with Honours)
1980 – 1986 Studies of Geography and German, University of Karlsruhe (TH)

Academic Career

since 2001 Full Professorship (C4) of Physical Geography, Director of the Institute of Geography, Heidelberg University
2001 Offered full professorship of Physical Geography, University of Bayreuth (declined)
2000 Offered full professorship (C4) of Physical Geography, University of Göttingen (declined)
1995 Professor (C3) of Physical Geography, University of Passau
1989 – 1995 Akademischer Rat (Associate Professor), Department of Geography, University of Stuttgart
1989 Scientist at the Department of Geography, University of Stuttgart
1986 – 1989 Scientist at the Department of Geography and Geoecology, University of Karlsruhe (TH)

Functions in academic self-administration (excerpt)

since 2007 President of Heidelberg University
2005 – 2006 Spokesman of the University Senate
2004 – 2006 Dean of the Combined Faculty of Natural Sciences and Mathematics and Dean of the Faculty of Chemistry and Earth Sciences
Membership (excerpt)

since 2016  Vice Chairman of the Baden-Württemberg state Rectors’ Conference
2012 – 2014  Spokesman of the German U15 – a strategic interest group for outstanding German research universities with top medical faculties

Areas of Research

Geomorphology, Soil Geography, Geoecology, Geoarchaeology, Arid Environments and Dryland Research, in particular in Europe, the Arctic, Southern Africa, South America, China (Xinjiang)

Awards and Distinctions

2016  Farouk El-Baz Award for Desert Research of the Geological Society of America
2015  Awarded Honorary Doctorate by the Comenius University in Bratislava
2011  „Ordre des Palmes Académiques“ by the French Republic for significant contributions to the French higher education system
2010  Member of the German Academy of Sciences Leopoldina, National Academy of Sciences
2008  Member of the German Academy of Science and Engineering (acatech)
Prof. Dr. A. Stephen K. Hashmi

Heidelberg University
Vice-President Research and Structure

Born 1963 in Munich, Germany; German citizen

Chemistry at Ludwig-Maximilians-University Munich, Germany
- Diploma thesis 1988
- Doctoral thesis 1991, both with Prof. G. Szeimies, both on highly strained organic compounds

Postdoctoral studies in the group of Prof. B. M. Trost at Stanford University, California, USA
- Enyne metathesis and related reactions, 1991 – 1993

Habilitation in the group of Prof. Dr. J. Mulzer, 1993 – 1998
- Institute of Organic Chemistry of Free University Berlin, Germany
- Institute of Organic Chemistry of Johann Wolfgang Goethe-University Frankfurt, Germany
- Institute of Organic Chemistry of University of Vienna, Austria

Visiting scientist at the University of Tasmania, Hobart, Australia, 07/1999 – 10/1999

Temporary Professorship for organic chemistry at the Department of Chemistry of Philipps-University Marburg, Germany, 11/1999 – 07/2000

Professor for Organic Chemistry at the Institute of Organic Chemistry of Stuttgart University, Germany, 03/2001 – 03/2007

Chair for Organic Chemistry at the Institute of Organic Chemistry of Ruprecht-Karls-University Heidelberg, Germany, since 04/2007

Dean of the Department of Chemistry and Earth Sciences of Ruprecht-Karls-University Heidelberg, Germany, 10/2010 – 10/2012

Vice Dean of the Department of Chemistry and Earth Sciences of Ruprecht-Karls-University Heidelberg, Germany, 10/2012 – 09/2013

Vice Rector for Research and Structure of Ruprecht-Karls-University Heidelberg, since 10/2013
- Postdoc fellowship of the Deutsche Forschungsgemeinschaft
- Justus von Liebig Fellowship of the Fonds der Chemischen Industrie for the Habilitation
- Habilitanden fellowship of the Deutsche Forschungsgemeinschaft
- Heisenberg Fellowship of the Deutsche Forschungsgemeinschaft
- Dr. Otto Röhm Memorial Fellowship
- Karl-Ziegler Memorial Fellowship
- ORCHEM Prize for natural sciences of the German Chemical Society
- Prize awarded by the Students for the best lecture 2007 in Chemistry at Ruprecht-Karls-University Heidelberg
- Hector Research Prize 2010
- Tan Kah Kee Chemistry Lectureship at Xiamen University, China, 2013
- Fred Pattison Senior Lectureship, University of Western Ontario, London (Ontario), Canada, 2014
- Honourable member („Socio Honorario“) of the „Sociedad Argentina de Investigación en Química Orgánica“,
- Argentinean Organic Chemistry Society
- Guest professorships: Milan University, Milan (Italy), Gakushuin University, Mejiro (Tokyo, Japan), Tokyo Institute of Technology (Tokyo, Japan, JSPS fellowship), Keio University (Tokyo, Japan)
- Distinguished Adjunct Professor, King Abdulaziz University (KAU), Jeddah, Saudi Arabien
- Member of the Board of the University Clinic Heidelberg
- Member of the Hector Fellow Academy

- Head of the German Chemical Society at Nordwürttemberg (2002 – 2006)
- Cooperation Partner for chemistry at the German University in Cairo (2003 – 2007)
- Member of the Editorial Board of Gold Bulletin, London, U.K. (since 2007), since 2016 Editor-in-Chief
- More than 290 publications (WOS or SCI : search author Hashmi ASK) (Researcher ID : B-5188-2013)

- Funding currently by: DFG, FCI, CSC, State of Baden-Württemberg, BASF, EU (Erasmus, COST), DAAD, Umicore, Brasil
Prof. Dr. Dieter W. Heermann
Heidelberg University
Vice-President International Affairs

Personal Information
1955: Born in Cologne

Education
1986 Habilitation, Mainz University
1983 Doctorate, Boston University (USA)
1976 – 1981 Degrees in Computer Science, Mathematics and Physics, University of Cologne

Academic Career
2011 Visiting professor at the Chinese Academy of Sciences
2008 – 2014 Adjunct professor, The Jackson Laboratory, Maine (USA)
2007 – 2014 Member of the Institute for Molecular Biophysics, Jackson Lab, Maine (USA)
1993 – 2001 Member of the DFG Research Training Group „Modelling and Scientific Computing in Mathematics and the Sciences“, Heidelberg
1989 – present Professor of Theoretical Physics at Heidelberg University
1988 – 1989 Professor of Theoretical Physics at Wuppertal University
1984 – 1987 Assistant professor at Mainz University

Functions in academic self-administration
since 2013 Vice-President International Relations of Heidelberg University
2011 – 2013 Chairman of the examination committee of the Faculty of Physics and Astronomy
2010 – present Member of the Senate of Heidelberg University
2008 – present Depute chairman of the Heidelberg Graduate School of Mathematical and Computational Methods for the Sciences (HGS MathComp)
2006 – present  Member of the Committee for the Relationship with US Universities
1998 – 2000  Co-initiator of the Virtual University Oberrhein (VIROR)
1989 – present  Member of the extended board of directors of the Interdisciplinary Center for Scientific Computing at Heidelberg University

Memberships and further offices

Member of the German Physical Society (DPG)
Member of the American Physical Society (APS)
Member of the Biophysical Society (BPS)
Scientific Referee for the European Union
Prof. Dr. Juichi Yamagiwa
Kyoto University
President

Education/Career

1975 Bachelor of Science, Kyoto University, Japan
1977 Master of Science, Kyoto University, Japan
1987 Doctor of Science, Kyoto University, Japan

Research Interests and Experience: Primatology, Anthropology

Positions Held

Oct. 2014 – Present President, Kyoto University
2012 – 2013 Member, Administrative Council, Kyoto University
2011–2013 Dean, Graduate School of Science and Faculty of Science, Kyoto University
2009 – 2011 Member, Education and Research Council, Kyoto University
2002 – 2014 Professor, Graduate School of Science, Kyoto University
1998 – 2002 Associate Professor, Graduate School of Science, Kyoto University
1988 – 1997 Assistant Professor, Primate Research Institute, Kyoto University
1983 – 1988 Research Fellow, Japan Monkey Center
1980 – 1983 Research Associate, Japan Institute for African Studies at Nairobi

Awards, Decorations, and Memberships

2006 Daido Life Foundation Encouragement Award for Area Studies
2008 – 2012 President, International Primatological Society
2005 – 2009 President, Primate Society of Japan
1994 – 1998 Director, Conservation, Primate Society of Japan
1999 – 2004 Director of Foreign Affairs, Primate Society of Japan
1992 – Present Member of Primate Specialist Group, IUCN/SSC
2006 – Present Member, Japan Academic Council
2015 – Present Member, Central Environment Council of Japan’s Ministry of the Environment

2015 – Present Vice-president, Japan Association of National Universities

Publications

• Over 110 scientific papers in English in international journals
• Over 150 scientific papers in Japanese
• Authored and contributed to several books on primatology, anthropology, and related fields
Prof. Dr. Kayo Inaba

Kyoto University
Executive Vice-President for Gender Equality, International Affairs, and Public Relations

Education/Career

<table>
<thead>
<tr>
<th>Year</th>
<th>Degree</th>
<th>Institution</th>
</tr>
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<tbody>
<tr>
<td>1973</td>
<td>Bachelor of Science</td>
<td>Nara Women’s University, Japan</td>
</tr>
<tr>
<td>1975</td>
<td>Master of Science</td>
<td>Kyoto University, Japan</td>
</tr>
<tr>
<td>1978</td>
<td>Doctor of Science</td>
<td>Kyoto University, Japan</td>
</tr>
</tbody>
</table>

Research Interests: role of dendritic cells in the initiation and regulation of immune responses

Positions Held

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
</tr>
</thead>
<tbody>
<tr>
<td>2014 – Present</td>
<td>Executive Vice-President for Gender Equality, International Affairs, and Public Relations, Kyoto University</td>
</tr>
<tr>
<td>2009 – 2013</td>
<td>Chairperson, Kyoto University Gender Equality Promotion Center</td>
</tr>
<tr>
<td>2009 – 2012</td>
<td>Assistant to the Vice President for General Affairs, Kyoto University</td>
</tr>
<tr>
<td>2007</td>
<td>Director, The Center for Women Researchers, Kyoto University</td>
</tr>
<tr>
<td>2003 – 2005</td>
<td>Dean, Graduate School of Biostudies, Kyoto University</td>
</tr>
<tr>
<td>1999</td>
<td>Visiting Professor, The Rockefeller University, New York</td>
</tr>
<tr>
<td>1999 – 2016</td>
<td>Professor, Graduate School of Biostudies, Kyoto University</td>
</tr>
<tr>
<td>1992 – 1999</td>
<td>Associate Professor, Graduate School of Science, Kyoto University</td>
</tr>
<tr>
<td>1986 – 1999</td>
<td>Visiting Associate Professor, The Rockefeller University, New York</td>
</tr>
<tr>
<td>1982 – 1986</td>
<td>Visiting Assistant Professor, The Rockefeller University, New York</td>
</tr>
<tr>
<td>1978 – 1992</td>
<td>Assistant Professor, Graduate School of Science, Kyoto University</td>
</tr>
</tbody>
</table>

Awards, Decorations, and Memberships

- Feb. 2005 Outstanding Merit Award of the Journal of International Immunology
- Mar. 2014 L’Oréal–UNESCO Award for Women in Science
- July 2014 The Kyoto University Shishi Prize
- Nov. 2014 The Akebono Prize (awarded to women who have made outstanding contributions to Kyoto Prefecture)
- Dec. 2014 Women Immunologist Award of the Japanese Society for Immunology (JSI)
- Nov. 2015 Takeda Medical Prize
Awards, Decorations, and Memberships

- Board Member, The Japanese Society for Immunology
- Vice-Chairperson, The Japanese Dendritic Cell Society
- Member, The Society for Leukocyte Biology
- Member, The New York Academy of Science
- Member, The American Association of Immunologists

Publications

- 240 scientific papers in English in international journals
- 170 scientific papers in Japanese
Prof. Dr.-Ing. Holger Hanselka

Karlsruhe Institute of Technology
President

Education/Career

12/1992
- Doctorate: Dr.-Ing. at TU Clausthal, 1992, supervisors: Prof. Dr.-Ing. habil. Werner Hufenbach and Prof. Dr.-Ing. Günter Niederstadt
- Subject: “Ein Beitrag zur Charakterisierung des Dämpfungsverhaltens polymerer Faserverbundwerkstoffe” (Contribution to Characterizing the Damping Behavior of Polymer Fiber Composites)

Studies of mechanical engineering at Clausthal Technical University

Positions Held

Since 10/2013
- President of Karlsruhe Institute of Technology (KIT)

Since 10/2013
- Vice-President of the Helmholtz Association of National Research Centers, responsible for the research field energy

07/2012 – 09/2013
- Integration of the Deutsches Kunststoff-Institut DKI (German Plastics Institute) into Fraunhofer LBF, establishment of the new institute area “Plastics”

02/2011 – 09/2013
- Acquisition and extension of the “Center for System Reliability in Electric Mobility” ZSZ-e

01/2011 – 09/2013
- Vice-President for Knowledge and Technology Transfer of TU Darmstadt
- Coordinator of the Fraunhofer project “Systems Research in Electric Mobility”

01/2009 – 10/2013
- Spokesperson of the Collaborative Research Center SFB 805 “Managing Uncertainty in Load-bearing Systems of Mechanical Engineering
- Coordinator of the LOEWE-Zentrum AdRIA

Until 09/2013
- Head of the Research Area “Functional Materials – Materials in Function” of TU Darmstadt

10/2006 – 10/2013
- Head of the integrated European research project (IP) “Intelligent Materials for Active Noise Reduction INMAR”

2004 – 2013
- Spokesperson of the Fraunhofer Alliance Adaptronics
4/2001  Director of the Fraunhofer Institute for Structural Durability and System Reliability LBF, Darmstadt, and Head of the Institute for System Reliability and Machine Acoustics (SzM) as well as University Professor at the Technical University of Darmstadt

12/1997 – 3/2001  Holder of the Chair for Adaptronics (C3) and Head of the Experimental Mechanics Group, Professor at the Otto von Guericke University of Magdeburg


Awards, Decorations, and Memberships

2010  Member of the Advisory Council of Electric Mobility of the State Government of Hesse

Since 05/2009  ● Member of acatech – National Academy of Science and Engineering, Munich

● Member of the Governing Board der Joint Technology Initiative (JTI) – Clean Sky (FP 7)

● Member of the Council of the FAG Kugelfischer Foundation

10/2006 – 09/2012  Member of the Presidential Council of the Fraunhofer Gesellschaft e.V., Chairman of the Fraunhofer Materials and Components Group

2002 – 2006  Member of the European Sustainable Surface Transport Advisory Group SSTAG
Dr. Ulrich Breuer
Karlsruhe Institute of Technology (KIT)
Vice President Finance and Business Affairs

Work experience

<table>
<thead>
<tr>
<th>Dates</th>
<th>Occupation or position held</th>
<th>Type of business or sector</th>
</tr>
</thead>
<tbody>
<tr>
<td>January 2012 onwards</td>
<td>Vicepresident for Finances and Business Affairs, Karlsruhe Institute for Technology</td>
<td>German National Research Laboratory and University of the State of Baden-Wuerttemberg</td>
</tr>
<tr>
<td>January 2009 – December 2011</td>
<td>Director of Administration and Finance, Helmholtz-Zentrum Berlin für Materialien und Energie GmbH</td>
<td>German National Research Laboratory</td>
</tr>
<tr>
<td>July 2005 – December 2008</td>
<td>Director of Administration and Finance, Hahn-Meitner-Institut Berlin GmbH</td>
<td>German National Research Laboratory</td>
</tr>
<tr>
<td>May 2000 – June 2005</td>
<td>Head of the Department for Scientific and Technical Planning, Forschungszentrum Jülich GmbH</td>
<td>German National Research Laboratory</td>
</tr>
<tr>
<td>January 1995 – April 2000</td>
<td>Head of the Office for Public Relation, Industrial and International Affairs, Forschungszentrum Jülich GmbH</td>
<td>German National Research Laboratory</td>
</tr>
<tr>
<td>January 1991 – December 1994</td>
<td>Assistant of the Chairman of the Board of Directors, Forschungszentrum Jülich GmbH</td>
<td>German National Research Laboratory</td>
</tr>
</tbody>
</table>
## Education and training

<table>
<thead>
<tr>
<th>Dates</th>
<th>1988 – 1990</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title of qualification awarded</strong></td>
<td>Doctor’s degree in physics (Dr rer nat)</td>
</tr>
<tr>
<td><strong>Principal subjects/occupational skills covered</strong></td>
<td>Thesis Title: ‘Thermal Behaviour of Surface Structures of Single Crystals: Surface Structure and Anisotropy of the Surface Free Energy’</td>
</tr>
<tr>
<td><strong>Name and type of organisation providing education and training</strong></td>
<td>Rheinisch-Westfälische Technische Universität Aachen, Germany</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Dates</th>
<th>1981 – 1987</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Title of qualification awarded</strong></td>
<td>Diplom in physics</td>
</tr>
<tr>
<td><strong>Name and type of organisation providing education and training</strong></td>
<td>Rheinisch-Westfälische Technische Universität Aachen, Germany</td>
</tr>
</tbody>
</table>
Dr. Elke Luise Barnstedt

Karlsruhe Institute of Technology (KIT)
Vice President for Human Resources and Law

Academic Background and Education

1975 – 1980 Studies of Law at the University of Göttingen
11/1982 – 07/1985 Legal clerkship at the Higher Regional Court of Celle
07/1988 Doctoral Examination at the University of Göttingen; Ph.D.

Professional Career

04/1988 – 02/1990 Head of the department of academic affairs (former University of Karlsruhe)
03/1990 – 01/1992 Head of the department of human resources and budget (former University of Karlsruhe)
02/1992 - 10/1992 Consultant at the Ministry of Science, Research and the Arts of Baden-Württemberg
12/1992 – 09/1994 Deputy Chancellor of the former University of Karlsruhe
10/1994 – 12/1998 Chancellor of the University of Constance
01/1999 – 12/2010 Director of the Federal Constitutional Court in Karlsruhe
Since 01/2011 Vice President for Human Resources and Law, KIT

Professional Activities

1990 – 1994 Lecturer (Administrative Law), municipality of Karlsruhe
1992 – 1995 Lecturer (Human Ressources), Academy of Economy and Public Administration (Stuttgart, Karlsruhe)
07/1996 – 12/1998 Honorary judge at the Local Labour Court of Lörrach
05/1997 – 05/2007 Examiner (first state examination), Ministry of Justice of Baden-Württemberg
2000 – 2004 Member of the Supervisory Board, University of Mannheim
Since 01/1999 Honorary judge at the Higher Labour Court of Baden-Württemberg
Prof. Dr. Thomas Hirth

Karlsruhe Institute of Technology (KIT)
Vice President Innovation and International Affairs

Education/Career

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>06/1992</td>
<td>Doctoral Degree at the University of Karlsruhe (TH)</td>
</tr>
<tr>
<td>10/1982 – 04/1988</td>
<td>Studies of Chemistry at the University of Karlsruhe (TH)</td>
</tr>
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Positions Held

<table>
<thead>
<tr>
<th>Date</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>Since 01/2016</td>
<td>Institute of Technology (KIT)</td>
</tr>
<tr>
<td>2012 – 2015</td>
<td>Vice Dean of the Faculty of Energy-, Process- and Bioengineering at the University of Stuttgart</td>
</tr>
<tr>
<td>04/2008 – 12/2015</td>
<td>Institute of Interfacial Process Engineering and Plasma Technology</td>
</tr>
<tr>
<td>2012 – 2015</td>
<td>Spokesman of the Group for Life Sciences (VLS) and member of board of directors at Fraunhofer-Gesellschaft</td>
</tr>
<tr>
<td>12/2007 – 12/2015</td>
<td>Head of the Fraunhofer Institute for Interfacial Engineering and Biotechnology (IGB), Stuttgart</td>
</tr>
<tr>
<td>1994 – 2007</td>
<td>Lecturer and Honorary Professor</td>
</tr>
<tr>
<td>07/1992 – 11/2007</td>
<td>Fraunhofer Institute for Chemical Technology (ICT), several positions, lastly Head of Department in Products for Environmental Engineering</td>
</tr>
</tbody>
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Awards, Decorations, and Memberships

<table>
<thead>
<tr>
<th>Date</th>
<th>Event</th>
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<tbody>
<tr>
<td>Since 01/2015</td>
<td>Chairman of ProcessNet</td>
</tr>
<tr>
<td>Since 07/2014</td>
<td>Chairman of the Steering Committee state research program Bioeconomy in Baden-Württemberg</td>
</tr>
<tr>
<td>Since 04/2012</td>
<td>Member of the DFG-council (“Deutsche Forschungsgemeinschaft”) of process engineering in technical chemistry</td>
</tr>
<tr>
<td>2012 – 2015</td>
<td>Member of the board of the association BioEconomy e.V. and scientific Coordinator of the Leading Edge Cluster of BioEconomy</td>
</tr>
<tr>
<td>2009 – 2012</td>
<td>Member of the German Bioeconomy Council (of German Federal Government)</td>
</tr>
</tbody>
</table>
Prof. Dr. rer. nat. Alexander Wanner

Karlsruhe Institute of Technology (KIT)
Vice President Higher Education and Academic Affairs

Personal Data

Name: Dr. Alexander Wanner
Date of birth: December 19, 1962

Academic Background and Education

10/1982 – 02/1988 Studies of Physical Metallurgy, University of Stuttgart; Degree: Diplom-Ingenieur
12/1991 Doctoral Examination; Thesis on the structure and mechanical properties of carbon-carbon composites, Department of Chemistry, University of Stuttgart

Professional Career and Activities

01/1992 – 12/1995 Postdoctoral research associate at Max Planck Institute for Metals Research, Stuttgart
01/1996 – 09/2003 “Akademischer Rat bzw. Oberrat” (tenured member of academic staff) at Institute for Physical Metallurgy, University of Stuttgart
01/1998 – 12/1998 Visiting Scholar at the Department of Materials Science and Engineering, Northwestern University, Evanston, IL., USA and at the Advanced Photon Source, Argonne National Laboratory, Argonne, IL., USA,
Since 10/2003 Professor for Materials Science and Engineering, Karlsruhe Institute of Technology (KIT) (formerly: University of Karlsruhe)
2007 – 2010 Spokesman oft the BMBF-funded cooperative project „Innovative Instrumentation for the Exdended Use of the Synchrotron Radiation Source ANKA“ (Partner Organizations: KIT, Ruhr-Universität Bochum, Universität Erlangen-Nürnberg, Universität Freiburg)
10/2008 – 08/2012 „Studiendekan“ (Director of Studies), Department of Mechanical Engineering, KIT
Professional Career and Activities

07/2011 – 05/2013  Spokesman of KIT Competence Area „Matter and Materials“
09/2012 – 05/2013  Chief Higher Education Officer (CHEO) of KIT
Since 06/2013  Vice President Higher Education and Academic Affairs of KIT

Awards

1997  Research Scholarship of the Max Kade Foundation, New York, NY, USA
1998  Eshbach Distinguished Visiting Scholar Award, Eshbach Society, Evanston, IL, USA
Prof. Dr. Susumu Satomi
Tohoku University
President

Education/Career

<table>
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<tr>
<th>Year</th>
<th>Position</th>
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<tbody>
<tr>
<td>1984 –</td>
<td>Ph.D., (Dr. of Medicine Science) Tohoku University</td>
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<tr>
<td>1974 –</td>
<td>M.D., Tohoku University School of Medicine</td>
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Positions Held

<table>
<thead>
<tr>
<th>Year</th>
<th>Position</th>
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</thead>
<tbody>
<tr>
<td>2014 –</td>
<td>President, The Japan Association of National Universities</td>
</tr>
<tr>
<td>2013 - 2014</td>
<td>Vice President, The Japan Association of National Universities</td>
</tr>
<tr>
<td>2012 – present</td>
<td>President, Tohoku University</td>
</tr>
<tr>
<td>2008 – 2012</td>
<td>President, Japan Surgical Society</td>
</tr>
<tr>
<td>2005 – 2012</td>
<td>Vice President, Tohoku University</td>
</tr>
<tr>
<td>2004 – 2012</td>
<td>Director, Tohoku University Hospital</td>
</tr>
<tr>
<td>1999 – 2012</td>
<td>Chairman and Professor, Division of Advanced Surgical Science and Technology, Tohoku University Graduate School of Medicine</td>
</tr>
<tr>
<td>1995 – 1999</td>
<td>Chief Professor, Second Department of Surgery, Tohoku University School of Medicine</td>
</tr>
<tr>
<td>1986 – 1995</td>
<td>Associate Professor, Second Department of Surgery, Tohoku University School of Medicine</td>
</tr>
<tr>
<td>1984 – 1986</td>
<td>Research Fellow, Harvard University, Institute of Transplantation</td>
</tr>
<tr>
<td>1982 – 1984</td>
<td>Assistant Professor, Second Department of Surgery, Tohoku University School of Medicine</td>
</tr>
<tr>
<td>1977 – 1982</td>
<td>Medical Staff, Second Department of Surgery, Tohoku University School of Medicine</td>
</tr>
<tr>
<td>1975 – 1977</td>
<td>Medical Staff, Department of Surgery, Yuri Kumiai Hospital</td>
</tr>
<tr>
<td>1974 – 1975</td>
<td>Medical Staff, Department of Surgery, Tokyo Saiseikai Central Hospital</td>
</tr>
</tbody>
</table>
Awards, Decorations, and Memberships

- Former President of General Incorporated Association National Clinical Database (NCD).
- Director of The Japanese Association of Medical Sciences, The Japan Society for Organ Preservation and Biology.
- Auditor of The Japanese Medical Science Federation, Japan Medical Safety Research Organization
- Member of TTS (The Transplantation Society), IASGO (International Association of Surgeons, Gastroenterologists and Oncologists)

Publications

- Over 200 published articles in the field of medicine
Prof. Toshiya Ueki

Tohoku University
Executive Vice President
(for General Affairs and International Relations)

Education/Career

1983 B.A. in Faculty of Law, University of Tokyo

Teaching and Research Carrier:

- 1983 – 1986 Research Associate, Faculty of Law, University of Tokyo
- 1986 – 1999 Associate Professor of International Law, Faculty of Law, Tohoku University
- 1988 – 1990 Visiting Fellow, Research Centre for International Law, University of Cambridge, UK
- 1996 – 1997 Visiting Scholar, Harvard-Yenching Institute, Harvard University, U.S.A
- 1999 – 2000 Professor of International Law, Faculty of Law, Tohoku University
- 2001 – present Professor of International Law, Graduate School of Law, Tohoku University

Positions Held

- 2001 – 2003 Member of the Education and Research Council, Tohoku University
- 2004 – 2006 Dean, Faculty and Graduate School of Law, Tohoku University
- 2004 – 2006 Member of the President Election Committee, Tohoku University
- 2006 – 2008 Executive Vice President for Education and Professional Graduate Schools, Tohoku University
- 2008 – 2009 Executive Vice President for International Affairs and Legal Affairs, Tohoku University
- 2009 – 2012 Executive Vice President for Financial Affairs, Tohoku University
- 2012 – present Executive Vice President for General Affairs, International Relations, Tohoku University
  - Director, Office of President, Tohoku University
  - Director, Tohoku University Library
  - Director, Tohoku University China Office
  - Director, The Office of Japan-Russia Relations, Tohoku University

Awards, Decorations, and Memberships

- The 27th Adachi Mineichiro Memorial Award (1994)
- Japan Society of International Law
- International Law Association
- Japanese Association of World Law
Prof. Dr. Ulrike Beisiegel

University of Göttingen
President

Education/Career

since 2011 President of the Georg August University of Göttingen
2001 – 2010 Director of the Institute of Biochemistry and Molecular Biology II: Molecular Cell Biology, Medical Faculty, University of Hamburg
2001 – 2005 Dean of Research, Medical Faculty, University of Hamburg
1996 C3-Professor in Hamburg-Eppendorf
1990 Habilitation in Biochemistry, University Hospital Hamburg-Eppendorf
1984 – 1996 Assistant Professor, Medical Clinic, University Hospital Hamburg-Eppendorf
1982 – 1984 Scientific Assistant at the Institute of Human Genetics, Marburg
1980 – 1982 Postdoctoral Fellow in the laboratory of Drs. Goldstein and Brown, Department of Molecular Genetics, University of Texas, Dallas
1979 – 1980 Scientific Assistant at the Institute of Human Genetics, Marburg
1979 Dr. rer. physiol. at the Faculty of Medicine, University of Marburg
1974 – 1976 Studies of Biochemistry at the Faculty of Medicine, University of Marburg
1971 – 1974 Studies of Biology, University of Münster and Marburg
2000 – 2008 Member of the Review Board Biological Chemistry and Physics, DFG
2000 – 2005 Member of the Ombudsman, University of Hamburg
2001 – 2005 Dean of Research, Medical Faculty, University of Hamburg
2002 – 2005 Chairperson of the European Atherosclerosis Society
2002 – 2010 Member of the Evaluation Committee, Leibniz Association
2005 – 2010 Chair of the Ombudsman of the DFG – German Research Foundation
2006 – 2011 Member of the Wissenschaftsrat – Advisory board to the German Government
2008 – 2010 Chairperson of the Wissenschaftsrat’s Scientific Commission
since 2009 Member of the Senate of the Leibniz Association
since 2011 Member of the Senate of the Max-Planck-Society
since 2012 Vice President of the German Rectors’ Conference
since 2014 Member of the Board of the Rectors’ Conference of Lower Saxony
## Awards, Decorations, and Memberships

<table>
<thead>
<tr>
<th>Year</th>
<th>Award/Title</th>
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<tbody>
<tr>
<td>1983</td>
<td>Heinz Maier-Leibnitz Prize from the German Ministry of Education and Science</td>
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<tr>
<td>1996</td>
<td>Honorary Doctor at the Faculty of Medicine, University of Umeå, Sweden</td>
</tr>
<tr>
<td>2008</td>
<td>Rudolf Schönheimer Medal of the German Atherosclerosis Society</td>
</tr>
<tr>
<td>2014</td>
<td>Ubbo Emmius Medal of the University of Groningen, Netherlands</td>
</tr>
<tr>
<td>2015</td>
<td>Honorary Doctor of Science, University of Edinburgh, Great Britain</td>
</tr>
<tr>
<td>2000 – 2008</td>
<td>Member of the Review Board Biological Chemistry and Physics, DFG</td>
</tr>
<tr>
<td>2000 – 2005</td>
<td>Member of the Ombudsman, University of Hamburg</td>
</tr>
<tr>
<td>2002 – 2005</td>
<td>Chairperson of the European Atherosclerosis Society</td>
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<td>Chair of the Ombudsman of the DFG – German Research Foundation</td>
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<tr>
<td>2008 – 2010</td>
<td>Chairperson of the Wissenschaftsrat’s Scientific Commission</td>
</tr>
<tr>
<td>since 2009</td>
<td>Member of the Senate of the Leibniz Association</td>
</tr>
<tr>
<td>since 2011</td>
<td>Member of the Senate of the Max-Planck-Society</td>
</tr>
<tr>
<td>since 2012</td>
<td>Vice President of the German Rectors’ Conference</td>
</tr>
<tr>
<td>since 2014</td>
<td>Member of the Landeshochschulkonferenz’ Executive Board</td>
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</table>
Prof. Dr. Hiltraud Casper-Hehne
University of Göttingen
Vice-President

Research Interests and Experience
Intercultural German studies, migration studies, German-Chinese relations, higher education politics

Education

1982  State examination in German studies and history, Technical University Braunschweig, Germany
1987  PhD in German linguistics, Technical University Braunschweig, Germany
2003  Habilitation in intercultural German studies, Bayreuth University, Germany

Positions Held

since 2011  Guest Professorship at Nanjing University, PR China
since 2009  Vice-President (international affairs), University of Göttingen, Germany
since 2004  Professor in Intercultural German Studies, University of Göttingen, Germany
  Director, German-Chinese Institute for Intercultural German Studies and Culture Comparison, University of Göttingen, Germany
  Director, Department for Intercultural German Studies, University of Göttingen, Germany
2001 – 2004  Co-Director, Language centre, Technical University Braunschweig, Germany
1998  DAAD Lecturer, Intercultural German Studies, University of Rhode Island, USA
1997 – 2004  Dean of Studies, Technical University Braunschweig, Germany
1996 – 2004  Director, Institut für Kleine Sprachen and Lecturer at the Language Centre, Technical University Braunschweig, Germany
1995 – 2004  Director, Institute for Intercultural German Studies, Technical University Braunschweig, Germany
1986 – 1988  DAAD Lecturer, Institute for Mechanical Engineering Shanghai, PR China
Awards and Memberships

since 2012  Chairwomen of the HERA (Humanities in European Research Area) Board “Cultural Encounters”
2010  Honorary Professorship, Beijing Foreign Studies University

Publications
- 6 monographs and 14 edited volumes
- editor of 3 journals in German
- 40 articles in peer reviews journals and edited volumes, 13 academic reports on cultural exchange, migration, German as a foreign language, linguistic aspects of German-Chinese relations
Prof. Dr. Shojiro Nishio

Osaka University
President

Education

1980  Doctor of Philosophy in Engineering, Kyoto University
1977  Master of Engineering, Kyoto University
1975  Bachelor of Engineering, Kyoto University

Positions Held

2015 – Present  President, Osaka University
2013 – 2015  Distinguished Professor, Osaka University
2013 – 2015  Director, Cybermedia Center, Osaka University
2007 – 2011  Executive Vice President, Osaka University
2004 – 2007  Advisor to the President, Osaka University
2003 – 2007  Dean, Graduate School of Information Science and Technology, Osaka University
2002 – 2015  Professor, Graduate School of Information Science and Technology, Osaka University
2001 – 2008  Program Director (Information and Networking Area), Ministry of Education, Culture, Sports, Science and Technology (MEXT)
2000 – 2004  Founding Director, Cybermedia Center, Osaka University
1998 – 2002  Professor, Graduate School of Engineering, Osaka University
1992 – 1998  Professor, School of Engineering, Osaka University
1992 – 1992  Associate Professor, School of Engineering Science, Osaka University
1989 – 1992  Associate Professor, Education Center for Information Processing, Osaka University
1988 – 1989  Associate Professor, School of Engineering Science, Osaka University
1988 – 1988  Visiting Fellow, British Columbia Advanced Systems Institute, Canada
1980 – 1981  Visiting Research Associate Professor, University of Waterloo, Canada
1980 – 1988  Assistant Professor, School of Engineering, Kyoto University
Memberships and Awards

Memberships
- Institute of Electrical and Electronics Engineers (IEEE) (Computer Society, Technical Committee on Data Engineering, Asian Coordinator: 1992 – 1997)
- Association for Computing Machinery (ACM)
- Institute of Electronics, Information and Communication Engineers (IEICE)
- Database Society of Japan (DBSJ) (a member of the board of trustees and auditors: 2002-2011, President: 2012 – 2013)
- Japan Federation of Engineering Society (JFES)
- Fellow of IEEE, IPSJ, IEICE, and JFES.

Honors and Awards
- Distinguished Achievement and Contributions Award in the information science and technology field from Ministry of Education, Culture, Sports, Science and Technology (MEXT) (2014)
- Distinguished Achievement and Contributions Award from IEICE (2013)
- Distinguished Achievement Award from Tateisi (OMRON) Science and Technology Foundation (2012)
- Medal with Purple Ribbon from the Emperor of Japan (2011)
- Distinguished Achievement and Contributions Award from IPSJ (2010)
- Distinguished Achievement and Contributions Award from DBSJ (2010)
- Distinguished Achievement Award from Funai Foundation for Information Technology (FFIT) (2004)

Area of Expertise
Information science and technology, specializing in data engineering and multimedia systems
Selected Publications

Prof. Dr. Shinsuke Yamanaka

Osaka University
Executive Vice President

Education

<table>
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<tr>
<th>Year</th>
<th>Degree</th>
<th>Institution</th>
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<tr>
<td>1989</td>
<td>Ph.D., Engineering</td>
<td>Osaka University</td>
</tr>
<tr>
<td>1981</td>
<td>M.A., Engineering</td>
<td>Osaka University</td>
</tr>
<tr>
<td>1979</td>
<td>B.A., Engineering</td>
<td>Osaka University</td>
</tr>
</tbody>
</table>

Positions Held

- **Aug. 2016 – Present**: Executive Vice President, Osaka University
- **Apr. 2016 – Jul. 2016**: Director, Center for Open Innovation Research and Education, Graduate School of Engineering, Osaka University
- **2011 – 2016**: Associate Dean, Graduate School of Engineering, Osaka University
- **2010– 2016**: Director, Frontier Research Center, Graduate School of Engineering, Osaka University
- **1998 – 2016**: Professor, Graduate School of Engineering, Osaka University
- **1994 – 1998**: Associate Professor, School of Engineering, Osaka University
- **1983 – 1994**: Assistant Professor, School of Engineering, Osaka University

Awards and Memberships

- **Memberships**
  - Atomic Energy Society of Japan
  - Japan Institute of Metals and Materials
  - Thermoelectrics Society of Japan

- **Honors and Awards**
  - Fellow from Atomic Energy Society of Japan (2016)
  - Best Paper Award from Atomic Energy Society of Japan (2008)
  - Best Paper Award from Thermoelectrics Society of Japan (2004)
  - Encouraging Prize from Atomic Energy Society of Japan (1990)

- **Area of Expertise**
  - Energy conversion materials such as nuclear fuel and materials, thermoelectric materials and photoelectrochemical materials.
Selected Publications


Curriculum Vitae of Guest Speakers
Wolfram Jäger
City of Karlsruhe
First Mayor

Education/Career

<table>
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<tr>
<th>Year</th>
<th>Education/Career</th>
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<tbody>
<tr>
<td>1968 – 1972</td>
<td>Studies of Law at University of Freiburg</td>
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<td>1968</td>
<td>A levels at Markgrafen-Gymnasium</td>
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Positions Held

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<th>Since</th>
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<tbody>
<tr>
<td>October 2008</td>
<td>First Mayor of the City of Karlsruhe, responsible for cultural affairs, personnel and organisation, public safety and order, public services, urban development, civic involvement, and statistics and elections</td>
</tr>
</tbody>
</table>

- County Court Judge
  - For 17 years Presiding Judge of juvenile court of lay assessors Land Court district Baden-Baden
    - 1988 – 2008 City Councillor and party whip, Durlach
    - 1980 – 1996 Deputy Chairman of County Party Committee
    - 1980 – 1984 Chairman of the “Junge Union” Karlsruhe (youth organisation of the German Conservative Party)

Awards, Decorations, and Memberships

- Chairman of Volkshochschule Karlsruhe (adult education centre)
- Chairman of Centre Culturel Franco-Allemand
- Chairman of County Party Committee with focus transboundary cooperation in the Middle Upper Rhine Region
- Chairman of Personnel and Organisation Committee of the Association of Cities in the State of Baden-Württemberg
Hidenao Yanagi

Consul General of Japan in Munich

Born 1958
March 1982 Graduation from University of Tokyo (International Relations, Faculty of Culture and Liberal Arts)
April 1982 Admittance to the Ministry of Foreign Affairs of Japan
July 1983 – June 1985 Studies at University of Konstanz, Germany
July 1985 – Feb. 1987 Embassy of Japan in Vienna, Austria (First Secretary)
Feb. 1987 – April 1996 several offices at the Ministry of Foreign Affairs, responsible for relations with European Union (economy), Korea and USA (security) etc.
May 1996 – Aug. 1999 Embassy of Japan in Bonn (Second Secretary, later Counsellor (politics))
Aug. 1999 – Aug. 2004 Head of Section at the Ministry of Foreign Affairs (responsible for Korea, analysis and policy planning)
Aug. 2004 – Sep. 2006 Embassy of Japan in New Delhi, India, Minister (economy)
Sep. 2006 – July 2009 Embassy of Japan in Berlin, Minister (politics)
July 2009 – Sep. 2012 Cabinet Officer, Deputy Director General
Sep. 2012 – March 2014 Ministry of Foreign Affairs, Head of Directorate for several responsibilities (Consulate, nuclear safety, Southeast and Southwest Asia)
April 2014 – Consul General in Munich
Prof. em Dr. Dr. Keiichi Kodaira
Japan Society for the Promotion of Science
Bonn Liaison Office Director

Education/Career

1967.11. Dr. Sci., Astronomy, University Tokyo, Japan
1964.4. Dr. Sci., Physics, University Kiel, Germany
1961.3. Master of Science, Astronomy, University Tokyo

Professions Held

2008.7. – Director, Bonn Office, Japan Society for the Promotion of Science
2001.4. – 2008.3. President, Graduate University for Advanced Studies, Japan
1994.4. – 2000.3. Director General, National Astronomical Observatory of Japan
1982.11 – 1994.4. Professor, University Tokyo and Tokyo Astronomical Observatory

Awards and Memberships

2015 Commendation by Minister for Foreign Affairs of Japan
2001 Karl-Schwarzschild Medal 2001, Astronomische Gesellschaft, Germany
1996 Naming “KODAIRA” to Asteroid No.6500, International Astronomical Union

Publications

- “Macro- and Microscopic Views of Nearby Galaxies”
  (Karl-Schwarzschild Lecture 2001)
- 105 scientific papers in international astronomical/astrophysical journals
Dr. Holger Finken

German Academic Exchange Service – DAAD
Head of Section ST43 „Research Fellowship Programmes“

Personal data:
- Name: Dr. Holger Finken
- Date of birth: 22 December 1958
- Place of birth: Berlin
- Family: married, 1 son, 1 daughter

Positions held:

<table>
<thead>
<tr>
<th>Institution</th>
<th>Position</th>
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<tbody>
<tr>
<td>German Academic Exchange Service (DAAD)</td>
<td>Head of Section ST43 „Research Fellowship Programmes“, 2015 –</td>
<td></td>
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<tr>
<td></td>
<td>Head of Section 424 „Japan, Korea, Australia and Oceania“, 2014</td>
<td></td>
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<td></td>
<td>Resident Director, Tokyo Office, Japan, 2009 – 2014</td>
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<tr>
<td></td>
<td>Head of Section 325 „Russia, Belarus“, 2001 – 2009</td>
<td></td>
</tr>
<tr>
<td>Freiberg University of Mining and Technology (TU Bergakademie Freiberg)</td>
<td>Head, Director’s Office, International University Center „Alexander von Humboldt“, 2000 – 2001</td>
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<tr>
<td></td>
<td>Head of Section, National and international research support / European research programmes, 1999 – 2000</td>
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<td></td>
<td>Assistant Professor, 1982 – 1995</td>
<td></td>
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<tr>
<td>Others:</td>
<td>Coordinator, TEMPUS-TACIS Mobility project „Joint Education in Natural Resource Management“ 1998 – 2002</td>
<td></td>
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<td></td>
<td>Secretary, Sub-Committee „Dictionary“, International Gas Union, 1992 – 1997</td>
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Education:

<table>
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<tbody>
<tr>
<td>Freiberg University of Mining and Technology</td>
<td>Doctorate in Engineering (Chemical Engineering)</td>
<td>1989</td>
</tr>
<tr>
<td>Moscow Institute of Steel and Alloys, Moscow, Russia</td>
<td>Master in Engineering (Automation of Metallurgical Processes, Specialization: Electrometallurgy)</td>
<td>1982</td>
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</tbody>
</table>
Dr. Franziska Langer
Deutsche Forschungsgemeinschaft
German Research Foundation
Programme Officer International Affairs

Education/Career

<table>
<thead>
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<th>Dates</th>
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<tbody>
<tr>
<td>Feb 2008 – Apr 2012</td>
<td>Dissertation</td>
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<tr>
<td></td>
<td>Eberhard Karls University Tübingen, Hertie Institut for Clinical Brain Research, Graduate School for Cellular and Molecular Neuroscience</td>
</tr>
<tr>
<td></td>
<td>University Hohenheim, Stuttgart</td>
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<td></td>
<td>Friedrich Schiller University Jena</td>
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Positions Held

<table>
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<tr>
<th>Dates</th>
<th>Position</th>
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<tbody>
<tr>
<td>Jul 2014 – now</td>
<td>Programme Officer International Affairs</td>
</tr>
<tr>
<td></td>
<td>Deutsche Forschungsgemeinschaft (DFG), Bonn</td>
</tr>
<tr>
<td></td>
<td>International collaborations with partners in Asia, specifically India and Japan</td>
</tr>
<tr>
<td>Jul 2014 – Jan 2015</td>
<td>Programme Officer Scientific Affairs</td>
</tr>
<tr>
<td></td>
<td>Life Sciences, Neurosciences</td>
</tr>
<tr>
<td></td>
<td>Deutsche Forschungsgemeinschaft (DFG), Bonn</td>
</tr>
<tr>
<td>Jul 2012 – May 2014</td>
<td>Trainee in Science Management</td>
</tr>
<tr>
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<td>Deutsche Forschungsgemeinschaft (DFG), Bonn</td>
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<td>Overseas Office New York</td>
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Awards, Decorations, and Memberships

<table>
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<tr>
<th>Date</th>
<th>Award</th>
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<tbody>
<tr>
<td>Juli 2012</td>
<td>Hertie Stiftung, Paper of the Year Award</td>
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Next page
Publications


Franz Christopher Kränzler

lengoo GmbH
Co-Founder & CEO

Education

New York, NY
Sep 2014 – Dec 2015
**Columbia University:** SEAS in conjunction with Columbia Business School
- Master of Science in Management Science and Engineering, current GPA: 3.8
- Awarded Fulbright Scholarship
- Ongoing Coursework: Operations Consulting, Business Analytics, Dynamic Pricing

Karlsruhe, Germany
**Karlsruhe Institute of Technology (KIT):**
Top German business and engineering school
- Bachelor of Science in Business Engineering, GPA: 1.5 on 1.0 to 5.0 scale
- Coursework: Finance, Economics, Computer Science

San Diego, CA
Sep 2010 – Jun 2011
**University of California, San Diego**
- Study abroad year, GPA: 4.00/4.00
- Coursework: Economics, Computer Science, and Electrical Engineering

Professional Experience

Karlsruhe, Germany
Mar 2012 – present
**lengoo GmbH (Marketplace for expert document with the mission to make machine translations reliable, www.lengoo.io):** Co-founder and CEO
- Responsible for strategy and product:
  Tasks include fundraising, recruiting, design of automation processes as well as the management of 10 full-time employees and 600 freelancers.
- Awarded 'Founder of the Month’ Award by the Innovation Department of KIT in Dec 2013.

New York, USA
Jan – May 2015
**Columbia Business School:** Teaching Assistant in ‘Managing the Growing Company (MBA), supervised by Professor Michael Preston
- Assisted in creating course materials and grading approx. 50 students
- Course material addressed stages of expanding a company, including strategic planning, operations and financial management
Frankfurt, Germany  
**Accenture GmbH:** Intern in IT Consulting  
Jul – Oct 2011
- Created an account profile of a leading European logistics service provider.
- Supported the design of a rollout concept for the Europe-wide unification of the IT landscape, which included performing as-is-analyses of existing rollout processes, optimizing and developing templates and guidelines for rollout activities and presenting interim results to the company’s CIO.

New York, USA  
**S&P Capital IQ:** Part-Time Consultant supervised by Professor Dr. Soulaymane Kachan  
Sep 2014 – May 2015
- Developed and implemented algorithm in R and VBA based on Logistic Lasso Regression to automatically predict attractive targets in the Private Equity sector based on historical investments at 91% accuracy

New York, USA  
**FreshDirect, LLC:** Part-Time Consultant supervised by Professor Dr. Soulaymane Kachani  
Sep 2014 – May 2015
- Forecasted order volumes based on Moving Average and ARIMA based on historical data; accordingly optimized delivery schedules with deterministic model saving 50% of resources

**Skills**

- **Computer Languages:** Java, Python, VBA, R, LaTeX, MATLAB, ProE, LabVIEW
- **German (native), Spanish (intermediate), Portuguese (basic)**
- **Interests:** Intercultural communication, tennis, fitness & strength training, surfing

**Extracurricular**

Karlsruhe, Germany  
**KIT, ‘PionierGarage e.V.’:** Mentor and active member  
Nov 2009 – Aug 2014
- Hold presentations on lessons learned from startup activities
- Provide guidance for young entrepreneurs in individual mentoring sessions.

**Publications**

Kränzler C, Nagel J, Pylatiuk C: Harvesting kinetic energy to supply autonomous lighting on Nordic Walking poles  
lengoo’s proprietary technology is paving the way to making reliable machine translations become a reality.

lengoo is a global marketplace for expert translations that provides the infrastructure to efficiently collect quality-checked human translation data at a large scale in order to become a catalyst in making reliable machine translations become a reality. Our machine learning technology matches businesses with the best-qualified translators for any domain-specific translation job and beats existing agency models in quality, price and scalability. Through a MaaS solution targeted to thousands of boutique translation agencies around the globe, we are building the largest global network of expert translators and expedite the data collection process exponentially. Launched in 2015, 800+ companies from 10 countries work with 600+ translators in 15 languages and 30 industry fields on our platform today. We have bootstrapped the company to a high 5-digit monthly revenue.

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Website:
www.lengoo.de

Twitter:
@LengooTweets
1st Japanese-German HeKKSaGOn Students’ Workshop
# 1st Japanese-German HeKKSaGOn Students’ Workshop

## “Bridging Cultures through Mobility in Research, Higher Education and Innovation” – Part I Discussion

**Building 10.11, Room 111.1/111.2, Kaiserstraße 12**

**Chair:** Pascale Kohler, Director Regional Strategy & Information, KIT International Affairs

<table>
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<tr>
<th>Time</th>
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| 9:00 a.m. – 9:30 a.m. | Welcome and introduction of participants  
Prof. Dr. Alexander Wanner,  
Vice President for Higher Education and Academic Affairs, KIT |
| 9:30 a.m. – 10:00 a.m. | Introduction of HeKKSaGOn Activities  
Pascale Kohler,  
Director Regional Strategy and Information, KIT |
| 10:00 a.m. – 11:30 a.m. | Discussion “Bridging Cultures through Mobility in Research, Higher Education and Innovation”  
- Which added-value could HeKKSaGOn provide to students and young researchers?  
- Which incentives should/could HeKKSaGOn provide to students?  
- How does international experience contribute to the development of students and young researchers?  
- How should universities promote international cooperation to students and young researchers? |
| 11:30 a.m. – 12:00 noon | Wrap-up and outlook |
Friday, September 30th

1st Japanese-German HeKKSaGOn Students’ Workshop

“Bridging Cultures through Mobility in Research, Higher Education and Innovation” – Part II Preparation of Presentation

Building 10.11, Room 111.1/111.2, Kaiserstraße 12

9:00 a.m. – 9:30 a.m.  Good-morning warm-up and summary from first day’s discussion

9:30 a.m. – 11:30 a.m.  Preparation of Presentation for afternoon session

11:30 a.m. – 12:00 noon  Wrap-up

Participants

- Lukas Rey, Heidelberg University
- Ivana Robitzsch, Heidelberg University
- Keishun Suzuki, Kyoto University
- Toshiro Eki, Kyoto University
- Satoru Kimura, Kyoto University
- Thuy-Tien Nguyen, KIT
- Chau Nguyen, KIT
- Michael Färber, KIT
- Sarah Bertels, KIT
- Tsujasa Takanashi, Tohoku University
- Naoya Murakami, Tohoku University
- Sha Wang, University of Göttingen
- Tim Benedikt Garbers, University of Göttingen
- Lorenz Weiß, University of Göttingen
- Hirano Takashi, Osaka University
Abstracts Working Group Meetings
Work Group Meeting I
Life and Natural Science Fusion

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 0.014 Ground floor
Date and Time: 30 September, 2016 from 09:00 to 12:00
Chair: Prof. Dr. Martin Bastmeyer (KIT)
Co-Chair: Motomu Tanaka (Univ. Heidelberg, Kyoto Univ.)

Program

t.b.a.

Outline and Objectives of the Session

Our workgroup is extremely interdisciplinary, involving researchers from clinical medicine, developmental/cell biology, chemistry/biochemistry, theoretical/experimental physics, material science, and mechanical engineering. The ultimate goal of our workgroup is to unravel principles of life by collaborative efforts of researchers across the borders between different disciplines. Enormous efforts of our consortium members towards this ambitious goal have been sustained through 3 past meetings, always stimulating discussions with new members to create new contacts. One of the cores of our consortium is a very tight connection between iCeMS (Institute for Integrated Cell-Material Sciences) in Kyoto and Collaborative Research Center SFB873 (Maintenance and Differentiation of Stem Cells in Development and Diseases) in Heidelberg. This center-to-center partnership was established in 2010 between Prof. Anthony Ho (Heidelberg) and Prof. Norio Nakatsuji (Kyoto), and we had extremely successful exchange of people between two centers, such as hosting and sending graduate students and junior researchers. One of the most remarkable achievements was the Heidelberg-Kyoto Symposium that iCeMS and SFB873 jointly organized in Heidelberg in the Year 2011.

In 2012, Prof. Motomu Tanaka and Prof. Thomas Holstein organized the first HeKKSaGOn Summer School „Crossing Borders: Unraveling Principles of Life with Quantitative Tools“. A number of workgroup members contributed by giving lectures, hosting students to their institutes and interacting with them in an active...
manner. The members of other workgroups, such as Prof. Harald Fuess (transcultural studies), Prof. Izumi Takagi (mathematics) and Prof. Ana Marciniak-Czochra (mathematics), also gave stimulating lectures.

In 2013, the cross-appointment of Prof. Tanaka at iCeMS was accepted by Rector Eitel, which further strengthens our tight partnership. In 2014, two collaborative projects by the workgroup members from Kyoto, heidelberg, KIT, and Osaka have been approved by the „SPIRITS“ Programme of Kyoto University. Through the JSPS invitation programme, Prof. Martin Bastmeyer (KIT) is going to spend two months sabbatical at iCeMS, hosted by Prof. Tanaka.

Last but not least, Prof. Motomu Tanaka was recently selected as a recipient of the prestigious Phillip Franz von Siebold Prize, which is awarded to scientists who promoted academic exchange between Japan and Germany. This will further increase the visibility of our consortium and strengthen our partnership.

Outcomes of Cooperation (since April, 2015)

- Joint publications

  Mainly supported by SPIRITS Program (Tanaka), Excellence Topic 2 (Holstein, Tanaka), MEXT Hyper-Bioassembler (Arai), and EUFP7 ActiveSoft (Tanaka)

  Most of our collaborations are supported partially by major grants, in which many of the members are involved as coordinators or core-members (such as SFB, MEXT Shingakujutsu, WPI, EUFP7, Helmholtz Program, etc.), two projects were exemplified in the following.

Abstract: Unraveling principles in symmetry break of regenerating hydra using micro-robotics and optical tweezers
PI: Motomu Tanaka (leader), Tatsuo Arai (co-PI), Thomas Holstein (co-PI)
Fund: Kyoto Univ. SPIRITS Program, 5,000,000 JPY for 2 years
(personal exchange, meeting)
2) Regulation of Hydra Regeneration Using External Stressors (01.2015–12.2016)

Abstract: Mechanical regulation of hydra regeneration using external stresses

PIs: Thomas Holstein, Motomu Tanaka

Fund: DFG (Excellence Initiative), 128,000 € for 2 years (2 x PhD students)

- Symposia, International School
  - HeKKSaGOn Pre-Symposium “Mechano-Biology”
    April 16, FRIS Tohoku Univ., 7 speakers, approx. 50 participants
    Organizer: Masaaki Sato (Tohoku)
    Speakers: C. Schmidt (Göttingen), M. Baytmeyer (KIT), C. Wöll (KIT), M. Tanaka (Heidelberg/Kyoto), T. Ogura (Tohoku), K. Ohashi (Tohoku), T. Ishikawa (Tohoku)

  - iCeMS International Symposium “Hierarchical Dynamics in Soft and Biological Matter” (iHD S&BM)
    Sept. 23 - 26, Kyoto Univ., 30 invited speakers, approx. 200 participants
    Organizer: Motomu Tanaka (Kyoto/Heidelberg)
    Keynote Speakers include the following work group members: Akira Harada (Osaka), Susumu Kitagawa (Kyoto), Kenichi Yoshikawa (Kyoto), Mineko Kengaku (Kyoto), Shunsaku Kimura (Kyoto)
    Supported by WPI Program (JSPS)

  - Kyoto Winter School „From Materials to Life: Multidisciplinary Challenges“
    Feb 15 - 26, 2016, Kyoto Univ.
    Academic Coordinator: Motomu Tanaka (Kyoto/Heidelberg)
    30 lecturers include: A. Ho, J. Sleeman, T. Holstein, J. Lohmann, M. Boutros (Heidelberg), C. Wöll, M. Bastmeyer (KIT), R. Kageyama, T. Tsuruyama, K. Yoshikawa, M. Kengaku, S. Kimura, T. Sakajo, T. Adachi (Kyoto), M. Kaneko, A. Harada, T. Arai (Osaka), M. Sato, I. Takagi (Tohoku) ...
    Participants: approx. 50 PhD students (35 from Germany, 15 from Japan)
    Supported by Presidential Fund, Kyoto University
    https://www.hekksagon.net/264.php
- Heidelberg-Kyoto Stem Cell Research Network Meeting (1)
  Feb 18, 2016, iCeMS, Kyoto Univ.
  Host: Mineko Kengaku (iCeMS)
  Participants: T. Holstein, J. Lohmann, M. Boutros, A.D. Ho, M. Tanaka
              (Heidelberg), Y. Harada, M. Kengaku, K. Funayama, S. Furukawa (Kyoto)

- Heidelberg-Kyoto Stem Cell Research Network Meeting (2)
  Feb 19, 2016, Institute for Frontier Medical Sciences (IFMS), Kyoto Univ.
  Host: Yuji Hiraki (IFMS)
  Participants: T. Holstein, J. Lohmann, M. Boutros, A.D. Ho, M. Tanaka (Heidelberg),
               Y. Tabat, H. Suemori, N. Nakatsuji, A. Segawa, H. Kawahara, Y. Hiraki
               (Kyoto)

- SPIRITS Symposium „Bio-Inspired, Non-Biological Mesoscale Hybrids“
  Feb 23, 2016, iCeMS, Kyoto Univ.
  Organizer: Hiroshi Imahori and Motomu Tanaka
  Speakers: S. Kimura (Kyoto), M. Eickhoff (Giessen), F. Osterloh (UC Davis)

- Mobilities (PhD Students, Researchers, Staffs)
  For FY2015, the proposal posted by M. Tanaka, entitled: „Nurturing Global
  Talents Utilizing HeKKSaGOn Consortium“ was supported by President Juichi
  Yamagiwa. This fund (total 20,000,000 JPY) supported 3 x projects: (1) internship
  of Kyoto BS students at German partner universities (11 x), (2) exchange of PhD
  students and junior researchers (15 x outbound, 10 x inbound), and (3) organi-
  zing a highly interdisciplinary, international winter school in Kyoto (mentioned
  above). The followings are PhD students and junior researchers coming to/from
  the member laboratories.
  - Takafumi Ichikawa (Biology PhD, Kyoto)
    Host: U. Engel (Nikon Imaging Center, Heidelberg), 4 weeks
  - Ryo Suzuki (Physics postdoc, Kyoto)
    Host: M. Tanaka/T. Hostein (Heidelberg), 6 weeks
  - Kim Bo Hyeon (Robotics PhD, Kyoto)
    Host: Heinz Wörn (IPR, KIT), 11 weeks
  - Takashi Kitao  (Chemistry PhD, Kyoto)
    Host: C. Woell (IFG, KIT) , 4 weeks
  - Tomohiro Higashino (Chemistry postdoc, Kyoto)
    Host: C. Woell (IFG, KIT), 4 weeks


- Salomé Mielke (Physics PhD, Heidelberg)  
  Host: M. Ichikawa (Physics, Kyoto), 4 weeks

- Benjamin Richter (Physics postdoc, KIT)  
  Host: M. Tanaka (iCeMS, Kyoto), 5 weeks

- Sven Mehlhose (Chemistry PhD, Heidelberg)  
  Host: S. Kimura (Mater. Chem., Kyoto), 12 weeks

- Anne Christine Schneider (Chemistry PhD, KIT)  
  Host: S. Kimura (Mater. Chem., Kyoto), 3 weeks

- Katharina Fanselau (Chemistry PhD, KIT)  
  Host: S. Kimura (Mater. Chem., Kyoto), 3 weeks

- Agatha Korytowski (Chemistry PhD, Heidelberg)  
  Host: M. Hashida (Drug Delivery Research, Kyoto) & K. Ueda (Cellular Biochemistry, Kyoto), 4 weeks

- Christophe Gailllochet (Biology PhD, Heidelberg)  
  Host: T. Araki (Plant Developmental Biology, Kyoto), 4 weeks

- Yuling Hu (Chemistry PhD, KIT)  
  Host: T. Hashimoto (Chemistry, Kyoto), 4 weeks

- Florentin Masurat (Neuroscience PhD, Goettingen)  
  Host: T. Sugi (Biophysics, Kyoto), 4 weeks

- Borhan Saeed (Biology PhD, Heidelberg)  
  Host: K. Shirakawa (hematology and oncology, Kyoto), 4 weeks

- Philipp Linke (Physics PhD, Heidelberg)  
  Host: M. Tanaka (iCeMS, Kyoto), 4 weeks

- Joint supervisions

  - Florian Gebert (Chemistry MS, Heidelberg)  
    Thesis Title: „Morphological Dynamics and Mechanics of Hydra“  
    Supervisors: M. Tanaka (Heidelberg/Kyoto), T. Holstein (Heidelberg) and T. Arai (Osaka)  
    Hosted by Arai Lab in 03 - 05.2015  
    Supported by EUFP7 ActiveSoft
Participants

- Nikolay Golubev, Heidelberg University
- Anthony Ho, Heidelberg University
- Philipp Linke, Heidelberg University
- Sven Mehlhose, Heidelberg University
- Jonathan Sleeman, Heidelberg University
- Motomu Tanaka, Kyoto University and Heidelberg University
- Tatsuaki Tsuruyama, Kyoto University
- Martin Bastmeyer, KIT
- Ute Schepers, KIT
- Christof Wöll, KIT
- Kazumasa Ohashi, Tohoku University
- Tatsuo Arai, Osaka University
- Holger Finken, German Academic Exchange Service
Work Group Meeting II
Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2,
Room 0.016, Ground floor
Date and Time: 30 September, 2016 from 09:00 to 12:00
Chair and Co-Chair: Markus Enders (Heidelberg University),
Masahiro Yamashita (Tohoku University)

Contributors

- **Heidelberg University**: Markus Enders, Peter Comba
- **University of Göttingen**: Franc Meyer, Sven Schneider, Guido Clever (now at Technical University of Dortmund)
- **Karlsruhe Institute of Technology**: Mario Ruben, Annie Powell
- **Tohoku University**: Masahiro Yamashita, Hitoshi Miyasaka,
- **Osaka University**: Shinobu Itoh, Shunichi Fukuzumi (now at Meijyo University, Nagoya)
- **Kyoto University**: Hiroshi Kitagawa

Program

**Friday 30th September 2016, 9:00–12:00**

- 9:00 Introduction (Markus Enders)
- 9:05 Hiroshi Kitagawa (Kyoto)
- 9:30 Annie Powell (KIT)
- 9:55 Mario Ruben (KIT)
- 10:20 Masahiro Yamashita (Tohoku)
- 10:45 Markus Enders (Heidelberg)
- 11:10 Hitoshi Miyasaka (Tohoku)
- 11:35 Sven Schneider (Göttingen)
Outline and Objective

The working group “Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology” has met several times on the occasion of the Hekksagon presidential meetings. The members of the group have somewhat changed due to movement to other places, retirements and new members who became joined the group. The meetings have triggered some fruitful cooperations which resulted in a number of joint publications. In addition to the publications documented below, several more joint papers are in preparation. In addition to that visits of PhD students at the partner research laboratories have been realized. Three members of our working group from Heidelberg and from Karlsruhe will give oral presentations at an international meeting organized by Prof. Yamashita at Tohoku University in September 2016. In the near future funding applications will be made for joint projects.

Outcomes of Cooperation

Joint publications

Mobilities (Phd Students, Researcher, Staff)

- **Name of host and affiliation:** a), b) and c) Markus Enders (Uni HD), d) Masahiro Yamashita (Tohoku), e) and f) Peter Comba (Uni HD)
- **Name of guest and affiliation:** a) and b) Takaumi Morita (Tohoku University), c) Yoji Horii (Tohoku University), d) Marko Damjanovic (Uni HD), e) PhD Student from Osaka (group of Prof. Itoh), f) PhD Student from Osaka (group of Prof. Fukuzumi)
- **Funding:** a), b) and c) JSPS Funds, d) Campus Asia Summer School,

Participants

- Markus Enders, Heidelberg, University
- Hiroshi Kitagawa, Kyoto University
- Stefan Bräse, KIT
- Annie Powell, KIT
- Mario Ruben, KIT
- Masahiro Yamashita, Tohoku University
- Sven Schneider, University of Göttingen
Work Group Meeting III
Social Sciences and Humanities

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 0.019, Ground floor
Date and Time: Friday, September 30, 2016, 8:30 am – 12:30 noon
Chair: Prof. Dr. Harald Fues, Excellence Cluster Asia-Europe, Heidelberg University
Co-Chair: Dr. Alexandra Hausstein, Institute of Technology Futures, KIT

Technology, Culture, and Society

Modernity – in its various phases and alternatives – increasingly and ever faster makes visible how technoscientific phenomena are inextricably intertwined and interdependent with social, cultural, political, and economic factors, artifacts, techniques, and institutions. Going beyond the fallacies of either techno- or sociodem-terminisms, this working group will explore and discuss the complex relationship between technology, culture, and society. We invite scholars from universities in the HeKKSaGOn consortium to submit papers debating the role of technology in culture and society in historical and current societal discourses as well as scientific, social and literary practices of creating, representing, and governing. In order to facilitate the conversation between scholars from Japan and Germany, we encourage presentations exploring the interactive processes of knowledge creation and technological diffusion between East Asia and Europe. As this working group intends to further interdisciplinary exchange, contributions from various disciplines of Social Sciences and Humanities, i.e. Science-Technology-Society Studies, History, Philosophy, Literary Studies, Cultural Studies, Religion, Art history, Sociology, Anthropology, Political Science, Law, Economics are welcome.

Program

8:30  Welcome
Chair Prof. Dr. Harald Fues, Excellence Cluster Asia-Europe, Heidelberg University
Co-Chair Dr. Alexandra Hausstein, Institute of Technology Futures, KIT
Session I  Technology, Risk, Morality after Fukushima

Chair: Alexandra Hausstein, Karlsruhe Institute of Technology

8:40 – 9:00
Prof. Dr. Kiyotaka Naoe, School of Arts and Letters, Tohoku University
Acceptable Risk and Responsibility

9:00 – 9:20
Prof. Dr. Armin Grunwald, Inst. of Technology Assessment & Systems Analysis, KIT
Responsibility across generations: the German approach to nuclear waste disposal

9:20 – 9:40
Prof. Dr. Saku Hara, School of Arts and Letters, Tohoku University
Science and Morality – Risk Communication after the Nuclear Disaster in Fukushima

9:40 – 10:00
Prof. Dr. iur. Christian Förster, Heidelberg University
After Fukushima – Liability for Nuclear Damage

10:15 – 10:30  Coffee Break

Session II  History and Philosophy of Technology

Chair: Prof. Dr. Marcus Popplow, Karlsruhe Institute of Technology

10:30 – 10:50
Prof. Dr. Mariko NIHEI, Research Institute of Electrical Communication, Tohoku Univ.
Stability and Normativity of Thing Knowledge
10:50 – 11:10
Prof. Dr. Kurt Möser, Institute of History, Karlsruhe Institute of Technology
Colonial Wars Made New: Innovative Mobility Technologies and Power Projection after 1900

11:10 – 11:30
Prof. Dr. Eric Fongaro, Tohoku University
Bodily Creativity: On a Possibility for Art in the Time of Technology

Session III Technology, Art, and Literature
Chair: Prof. Dr. Takashi Sugiyama, Associate Professor of the Department of Aesthetics and Art History, Graduate School of Letters, Kyoto University

11:30 – 11:50
Prof. Dr. Akihiro Ozaki, Tohoku University
Rembrandt's Aesthetic Technology: The Range of Pictorialization of Emotions in the Passion Series (Alte Pinakothek, Munich)

11:50 – 12:10
Prof. Dr. Judith Arokay, University Heidelberg
Digital Cartography of Literary Places

Final Session Plans for HeKKSAGOn in Osaka 2018

12:10 – 12:30
Planning HeKKSaGOn 2016 in Osaka
Chair: Professor Kotaro Yoshida, Osaka University
Discussant/Chair: Prof. Dr. Harald Fuess, Heidelberg

12:30h Lunch
Participants:

**Heidelberg University**

Prof. Dr. Harald Fuess, History, Excellence Cluster Asia and Europe, fuess@asia-europe.uni-heidelberg.de

Prof. Dr. Judith Arokay, Japanese Studies, University Heidelberg, judit.arokay@zo.uni-heidelberg.de

Prof. Dr. iur. Christian Förster, Transcultural Studies, Law, Excellentzcluster “Asia and Europe” Heidelberg University, christian.foerster@asia-europe.uni-heidelberg.de

**Kyoto University**

Prof. Dr. Takashi Sugiyama, Associate Professor of the Department of Aesthetics and Art History, sugiyama.takashi.3s@kyoto-u.ac.jp

Chiyoko Kanno, Kyoto University

**Karlsruhe Institute of Technology**

Prof. Dr. Armin Grunwald, Philosophy, Inst. of Technology Assessment & Systems Analysis, armin.grunwald@kit.edu

Prof. Dr. Kurt Möser, Institute of History, kurt.moeser@kit.edu

Prof. Dr. Marcus Popplow, History, Institute of History, Institute of Technology Futures, marcus.popplow@kit.edu

Prof. Dr. Andreas Böhn, German Studies, andreas.boehn@kit.edu

Prof. Annette Lessmöllmann, German Studies, annette.lessmoellmann@kit.edu

Prof. Dr. Antonio Moniz, ITAS, antonio.moniz@kit.edu

Dr. Alexandra Hausstein, Institute of Technology Futures, Alexandra.hausstein@kit.edu

Christoph Böhmert, PhD Student, christoph.boehmert@kit.edu

Nora Steinhäuser, Student Assistant
Abstracts:

Acceptable Risk and Responsibility
Kiyotaka Naoe (School of Arts and Letters, Tohoku University)

After the Fukushima nuclear accident “Social responsibility of Scientists” is often discussed. But the scope of the discussion seems to be limited so long as it concerns mainly an individual moral responsibility and responsibility of scientists in general. Instead, in this presentation, I will discuss how to think of responsibility of engineers (and citizens) in the technological system, especially under condition of uncertainty.
Concerning the accident many investigation reports are published. It becomes gradually clear where failures exist. Engineering scientists and the officers in regulatory bodies, and also the TEPCO executives are experts knowledgeable enough to understand the necessity of implementing effective countermeasures to prevent severe accidents. But they postponed deciding the regulation. On the other hand, the discussion about the severe accident caused by currently unexpected causes treated as relying on “unreasonable assumption”. As a result severe accident countermeasures in Japan disregarded international standards. Lack of the belief in reality of the worst thing constitutes a serious obstacle. Postponement is a irresponsible attitude, much worse than the decision of not to do.

One can call this decision system as the massive ‘system of irresponsibilities’ (the words of Masao MARUYAMA, a famous Japanese political scientist after the second war.) One chairperson of the Investigation Committee ascribes this structure to Japanese culture, but it is highly problematic whether our culture in general is the real cause. I think we can drew much more general lessons from the accident.

As a clue, I try to expand the notion of “responsibility” in this presentation. Responsibility is usually used in backward-looking way, But forward-looking way is also significant. The problem is that as a bureaucrat, as an executive, or as an engineering scientist members of the Nuclear Community are in every respect normal. As a subjective side of responsibility, civic virtue is necessary; virtue is an attitude of concern for the welfare of others and humanity, by taking distance from the existing meaning, and having political understanding and political imagination. As an objective concrete example of the forward-looking responsibility, I will mention the responsible innovation accompanied by transparent, interactive decision-process, and for the fair and democratic ethical safety assessment, I will examine the notion of “responsible stewardship”.

**Science and Morality –**

**Risk Communication after the Nuclear Disaster in Fukushima**  
Saku HARA (School of Arts and Letters, Tohoku University)

Accident at the Fukushima Daiichi nuclear power plant caused radioactive substances to be scattered around large parts of eastern Japan. Because of this accident, many people living in disaster area became anxious about radiation risk. Science council of Japan and some academic societies repeatedly gave out information that radiation risk caused by this nuclear disaster is not very high, so that people do not needed to be anxious about it. However, this risk communication done by scientists was not effective enough to reduce people’s anxieties about radiation,
nor increase people’s trust in scientists. Why a safety campaign done by scientists after the nuclear disaster in Japan failed?

“President Statement by 34 Learned Societies in Japan—Japan will not stop progressing scientifically” (April 27, 2011) was addressed by “34 Learned Societies” including scientific societies responsible for maintenance and management of nuclear power plants. However, The statement did not mention to their responsibility for the destruction of the nuclear power plant. Instead, it was maintained that scientists in Japan were responsible for engaging in risk communication to insure accurate information concerning the Fukushima nuclear accident, that is to say, the information that the risk caused by the nuclear accident was not so high. This statement nicely described how many scientists behaved themselves in front of people anxious about radiation risk.

As P. F. Strawson points out in his paper “Freedom and Resentment” (1962), concept of “moral responsibility” is grounded upon social interactions of people who praise and blame others, and are praised and blamed by others. These social interactions are normally motivated by emotions such as resentment, shame, sympathy, sense of guilt, and so forth. People recognize one another as moral agents when they take part in these emotional social interactions. In safety campaign done by scientists, they leave their responsibility unquestioned, while they regard anxiety of citizens about radiation risk as a sign of their irrationality. Because of this attitude, scientists engaging in safety campaign are not seen as members of a common moral community and distrusted.

Stability and Normativity of Thing Knowledge
Mariko Nihei (Research Institute of Electrical Communication, Tohoku University)

The concern with the role of instruments or devices in the creation of scientific knowledge is relatively new in philosophy of science. Although it has been suggested that success of instruments don’t always imply success of scientific theories, there seems to be no established view to understand epistemic value of instruments. In his book (Baird [2004]), Baird insists that in many instances of scientific development scientific instruments play an explanatory or justificatory role and proposes that such instruments should be regarded as “thing knowledge”. This presentation aims to examine the possibility of the notion of thing knowledge and to present a better understanding about what is thing knowledge.

Thing knowledge is not ordinary type of knowledge known as justified true belief. It is embodied as material things within our circumstances. To present the
substitutive concept for “truth” and “justification” in the case of propositional knowledge, Baird focuses on function of instruments and gives five ideal values (detachment, efficacy, longevity, objectivity, connection) that are fulfilled by well-functioning instruments. According to his idea, when instrument can meet the ideal values and connect a certain input to another certain output in reliable way, in other words when instrument can embody a certain phenomenon by its stable function, the instrument embodies objective knowledge. In this case, depending on the stable phenomenon productive power of instrument, we can use it as thing knowledge without theoretical-subjective understanding about the phenomenon.

Although I agree that non-propositional material instruments can constitute knowledge, I think there are two debatable points in Baird’s functional approach. (1) In his criteria, whatever realizes stable functional relation, such as cars, anchors and cobwebs, seems to be count as thing knowledge. (2) While to grasp the nature of instruments by function is suitable for the accounts of objectivity or theory-freeness, the emphasis on function hides another important aspect of instruments i.e. matter or material aspect. By comparing the stability of thing knowledge from functional view with from material view, I consider these problems and give a framework to understand how and when material things become knowledge.

**Rembrandt’s Aesthetic Technology: The Range of Pictorialization of Emotions in the Passion Series (Alte Pinakothek, Munich)**

Akihiro Ozaki (Tohoku University, Japan)

While small in scale, Rembrandt’s Artist in His Studio (Museum of Fine Arts, Boston) is a very strange painting. Even though the painter is standing in front of his painting panel, there is a greater distance between painter and panel than would have existed in real life, and the panel is shown in greater than life-size emphasis. And, there is nothing in this painting to indicate to the viewer what is depicted on the panel. Close examination reveals that this is a still life which was painted on the back of the panel.

The eminent Rembrandt scholar Kurt Bauch has indicated that “vision” is shown symbolically in this painting, while Ernst van de Wetering of the Rembrandt Research Project has indicated that Rembrandt’s production method involved the painter first conceiving of his entire composition before starting work on it. These comments and others indicate that the majority of scholars agree that this self-portrait was not painted to convey the actual appearance of his studio, but rather to express Rembrandt’s art production-related aesthetics.
The image of a painter standing in front of an easel evokes an image of the painter standing in front of a mirror. Rembrandt's pupil Samuel van Hoogstraten conveyed his teacher's famous comment, “the same benefit can be derived from the depiction of your own passions, at best in front of a mirror, where you are stimulataneously the performer and the beholder” in his book, Inleyding tot de Hooge Schoole der Schilderkonst (1678). It was only Rembrandt in 17th century Holland who repeatedly, and indeed obstinately, expressed the emotions on his own face in his paintings. The pictorialization of emotion was a core element of Rembrandt’s arts. In the Boston painting, regardless of the fact that it is the size of the panel that is emphasized, what we see is its back surface, with its front surface hidden. Further, the light and shade shown in this work is not the Caravaggiesque light/shadow contrast then so popular throughout Europe, but rather as indicated by Bob van den Boogert, former Rembrandt House Museum curator, the contrast between light and shadow is diminished into graduated tones. These graduated tones not only hint at the expanse of space, they also evoke an emotion as the eye travels across the space that would be hard to call “feeling.” In other words, what Rembrandt is showing through his emphasis of the back of the panel is not that which is seen itself, but rather attempting to show the invisible through “emotion.” This was a new technique for “absorpting” the viewer in the work. Let us now consider the issue that can be called Rembrandt’s “spectacle” in terms of his Passion of Christ series.

**Bodily Creativity: On a Possibility for Art in the Time of Technology**

**Eric Fongaro (Tohoku University)**

The relation between art and techniques is at the center of the works of the Italian scholar of aesthetics Dino Formaggio (1914–2008). Coming from a tendency of Italian XXth century aesthetics alternative to the neo-idealistic one of Benedetto Croce (1866–1952) or Giovanni Gentile (1875–1944), Formaggio distinguishes “aestheticity” (esteticità) from “artisticity” (artisticità) and tries to approach the question of “creativity” in the context of several kinds of productive activities. His research leads him to focus on the role of “body” in human production, highlighting the possibility to find creativity not against, but inside the everyday work of people, even if strongly characterized from a technological feature.

It is worthy of attention, that some pupils of Formaggio, in particular G. Pasqualotto (1946) at the University of Padua, felt the necessity to prolong the quest on body until meeting Oriental thought. In this sense, the role of Japanese thinker Nishida Kitarō (1870–1945) seems to be very significant, particularly his thoughts on aesthetics and artistic activity. Basing on the traditional Japanese view of art
(geidō), Nishida engages on aesthetics with some Western philosophers and thinkers, especially K. Fiedler (1841–1895) and W. Worringer (1881–1965). Nishida’s approach to aesthetics puts the role of body at the center, arriving to rethink the traditional Western distinction of poiesis and praxis and to create the peculiar concept of “technological body”.

Both in the case of Italian scholars of aesthetics and in the case of Nishida, an intercultural approach seems to be unavoidable in order to think in a globalized time, and creative bodily experience could be a point where art can find a possibility to be significant and subversive in a time of technological homogenisation.

Colonial Wars Made New: Innovative Mobility Technologies and Power Projection after 1900
Prof. Dr. Kurt Möser, KIT, Institute of History

It is common knowledge that new weapons systems introduced in the second half of the 19th century systems had an impact on colonial warfare. But research has shown that the efficiency and impact of repeater rifles, quick firing artillery and machine guns was probably smaller than estimated, as conflicts in Afghanistan and South Africa would suggest. Thus, fighting was less unsymmetrical than expected and/or communicated.

On the other hand, the mobility revolution after 1880 provided new means for fighting colonial wars more efficiently, supporting the somewhat increasing skepticism and reluctance of colonial powers to put “boots on the ground“. New mobility machines were pressed by pioneering military intellectuals into service in order to facilitate power projection and to re-establish Western technological superiority, in some cases launching a “revolution in military affairs” (RMA). This laid the foundation for a ‘game changing’ of colonial warfare. I propose two case studies:

- Italian employment of airplanes for bombing in Tripolitania in 1911, an application leading to the concept and practice of Colonial “Air Control“ after 1919;
- the introduction of machine-gun carrying automobiles by the French army after 1905 which evolved into the widespread use of fast armoured cars in the Great War and after.

Thus, after 1918 a new approach to technology based power projection methods and procedures was started with which the victorious powers expected to facilitate their colonial rule in more economical and socially accepted ways. This approach threw a long shadow even on the “small wars” of today.
Work Group Meeting IV
Disaster Risk & Response: Scientific & Technological Issues – Disaster Science and its role for global safety

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 1.008, Basement
Date and Time: Friday, September 30, 9:00 a.m. – 12:00 noon
Chair: Prof. Fumihiko Imamura, Tohoku University
Co-Chair: Prof. Junji Kato, Tohoku University,
Prof. Anawat SUPPASRI, Tohoku University

Program

Shunichi Koshimura (Tohoku University IRIDES): Advances of real-time simulation, remote sensing, and geo-informatics in assessing tsunami impact

Hiroshi Kawase (Kyoto University, DPRI): The heavy damage concentration in Mashiki Town during the 2016 Kumamoto earthquake: what can be explained and what cannot

Melanie Eckle and Benjamin Hertfort (Heidelberg University): Te HEIKA project on Hotel Resilience

Melanie Eckle and Benjamin Hertfort (Heidelberg University): Geoinformatics in disaster mapping and disaster management

Michael Kunz (KIT, CEDIM): Forensic Disaster Analysis

Andre Dittrich (KIT, CEDIM): Using Social Media for Rapid Damage Assessment

Andreas Schäfer (KIT, CEDIM): Global Tsunami Risk Modelling
Outline and Objective

(1) Academic research topics for disaster response and reduction
The feature of recent large scaled natural disaster including the 2011 Tohoku earthquake and tsunami, flood and 2013 Philippines typhoon are summarized and discussed for collaborative topics for mitigation; multi- & trans- disciplinary for prediction and evaluation technology, rescue and relief and reconstruction.

(2) Higher education for global leaders for safety
Currently educational program in the graduate school for disaster science and safety are undertaken in Tohoku Osaka, and Kyoto university so on. The issue to make more collaboration among the programs in Japan and Germany and to share the experiences are discussed.

Outcomes of Cooperation

- Joint publications
- Joint (third-party funded) projects (applications and approved projects)
- Jointly organized
  - Workshops
    Title: Joint friendship workshops with G-safety (Tohoku University) and GSS (Kyoto University)
    Organizers: Tohoku University
    Prof. Fumihiko Imamura (IRIDeS)
    Assist. Prof. Kazuya Sugiyasu (IRIDeS and G-safety)
    Kyoto University
    Prof. Rajib Shaw (Graduate School of Global Environmental Studies)
    Associate Prof. Akhilesh Surjan (GSS)
    Place: Aoba-yama campus in Tohoku University, Sendai, Japan
    Time and duration: 8th–9th September, 2014
    Abstract: G-safety (Global safety) Tohoku University and GSS (Sustainable Development and Survivable Societies) Kyoto University are applied program for Inter-Graduate School Program “Safety and Security” supported by JSPS. These programs conducted the joint workshops to make friendship between each students and faculties. In this times, each faculties provided lectures “Lesson from the great east japan tsunami” and student's project by joint member of Tohoku University and Kyoto University.
Participants:
- 9 students from Tohoku University (G-safety and IRIDeS)
- 5 faculties from Tohoku University (G-safety and IRIDeS)
- 19 students from Kyoto University (GSS and so on)
- 4 faculties from Kyoto University (GSS)
- And some audience.
- Total 37 members

URL: Follow link’s the last page written by Japanese.
G-safety: http://g-safety.tohoku.ac.jp/en
GSS: http://gss-sv00.gss.sals.kyoto-u.ac.jp/english/

Conferences / Symposia (title, organizers, place, time and duration, abstract, participants, URL)
Title: The Third UN World Conference on Disaster Risk Reduction Public Forum Educating Future Leaders in Global Safety: Lessons and Practice in the Affected Areas of Great East Japan Earthquake
Organizers: Tohoku University (G-safety)
Co-organizers: Kyoto University (GSS), Hiroshima University, University of Kochi,
Place: Kawauchi campus in Tohoku University, Sendai, Japan
Time and duration: 15th March, 2015, 9:00-12:00
Abstract: Tohoku University, Kyoto University Hiroshima University and University of Kochi are applied program for Inter-Graduate School Program "Safety and Security" supported by JSPS. These programs conducted the joint symposium to share the Knowledge of leadership and lesson from the Great East Japan Earthquake.
The symposium invites high school students, undergraduate students, students in graduate schools, researchers and practitioners to discuss how to educate future leaders in disaster risk reduction from the view point of global safety. Practices in the current educational program are shared in the symposium.
Participants: Total 100 audiences.
URL: http://g-safety.tohoku.ac.jp/en/news/2015/03/05/5285/
Participants:

- Melanie Eckle, Heidelberg University
- Benjamin Herfort, Heidelberg University
- Hiroshi Kawase, Kyoto University
- Bijan Khazai, KIT
- Farnaz Mahdavian, KIT
- Andreas Schäfer, KIT
- Friedemann Wenzel, KIT
- Shunichi Koshimura, Tohoku University
Work Group Meeting V
Dynamic Imaging for Physical, Chemical & Biological Interests

Keywords: Electron dynamics, Structure dynamics, XFEL
Venue: KIT Department of Mathematics, Building 20.30, Room 1.009
Date and Time: 30 September 2016 from 09:00 to 12:00
Chair: Prof. Dr. Kiyoshi Ueda, Tohoku University
Co-Chair: Prof. Dr. Lorenz S. Cederbaum, Heidelberg University

Organizers / Speakers

Organizers:
Prof. Dr. Kiyoshi Ueda (Tohoku)
Prof. Dr. Lorentz S. Cederbaum (Heidelberg)

Speakers:
Prof. Dr. Kazuto Yamauchi (Osaka)
Prof. Dr. Simone Techert (Göttingen)
Dr. Kiyonobu Nagaya (Kyoto)
Dr. Alexander Kuleff (Heidelberg)
Dr. Hironobu Fukuzawa (Tohoku)

Contributors

Dr. Kirill Gokhberg (Heidelberg)
Dr. Nikolai Kryzhevoi (Heidelberg)
Mr. Tsukasa Takanashi (Tohoku) - student
Mr. Takashi Hirano (Osaka) - student
Mr. Vasili Stumpf (Heidelberg) – student
Mr. Nikolai Golubev (Heidelberg) – student
Ms. Ghazal Jabbari (Heidelberg) – student
Outline and Objectives of the Session

The program outlines current status of study on ultrafast electron and structure dynamics in the systems of physical, chemical and biological interests, in Germany and Japan. It includes also new developments of X-ray optics at the x-ray free electron lasers as well as relevant theoretical developments. Via discussion, we aim at seeking for, establishing, expanding and enforcing the new or existing Germany-Japan collaborations on the dynamic imaging.

Program

9:00–9:05 Kiyoshi Ueda (Tohoku)
“Opening”

9:05–9:35 Kazuto Yamauchi (Osaka)
“Current status and challenges of reflective optics for X-ray free-electron laser”

9:35–10:05 Simone Techert (Göttingen)
“Ultrafast dynamics of absolutely determined structures – progress report”

10:05–10:35 Kiyonobu Nagaya (Kyoto)
“Tracing of ultrafast dynamics of nano-scale system at SACLA”

10:35–11:05 Alexander Kuleff (Heidelberg)
“Ultrafast charge migration after core ionization of molecules”

11:05–11:35 Hironobu Fukuzawa (Tohoku)
“Charged particle spectroscopy of clusters and its time-resolved measurements using FELs”

11:35–11:55 Discussions

11:55–12:00 Lorentz S. Cederbaum (Heidelberg)
“Summary”
Existing Cooperation

Cooperation 1 (electron dynamics)
In the last years, the groups from Heidelberg, Kyoto and Tohoku Universities have strongly intensified their collaboration on the investigation of the Interatomic Coulombic Decay (ICD), Electron-Transfer-Mediated Decay (ETMD) and related phenomena. Since the last HeKKSaGOn meeting in Sendai, two important large-scale experiments were performed; 1) the time-resolved measurement on the birth of XFEL induced nanoplasma, where ICD may play a crucial role, and 2) the first observation of low-energy electrons via charge transfer to the ground state ions (via ETMD). Furthermore based on this collaboration, we have submitted in total 6 papers to Nature, Nature Comm., Phys. Lev. Lett. and Chem. Phys. Some work on the experimental-data analysis and on the relevant theoretical model simulation is still ongoing. The work progress will be discussed at our next HeKKSaGOn working group meeting in Karlsruhe as well as preconference meeting in Heidelberg.

Cooperation 2 (chemistry)
During the last years, Göttingen and Tohoku Universities have intensified their collaboration in developing novel time-resolved x-ray methods for studying the ultrafast structural dynamics and molecular movies of chemical and biochemical reactions. The collaborative effort has been granted through various beam times at synchrotron and FEL facilities. Time-resolved soft x-ray spectroscopy techniques have been developed and applied for studying the structural dynamics of light element molecular systems (photoswitching chromophors and charge transfer systems) in a liquid environment. Besides gaining this local structure information, global structural changes on the ultrafast time scale are envisioned for diffuse scattering experiments at the SACLA FEL facility. The work progress will be discussed at our next HeKKSaGOn meeting in Karlsruhe.

Cooperation 3 (biology)
Heidelberg, Kyoto and Tohoku universities started collaboration for serial femtosecond protein crystallography. The aim in 2015 was to demonstrate MAD phasing at SACLA. To this end we embedded the Gd-contained lysozyme protein microcrystals in a high viscosity grease, which we injected into the SACLA beam using our high viscosity extrusion injector mounted in the DAPHNIS chamber. Using photon energies of 7 and 9 keV produced via two-color X-ray pulse mode at SACLA, we collected diffraction images. The data analysis is currently ongoing. The work progress will be discussed at our next preconference meeting in Heidelberg.
Participants:

- Lorenz Cederbaum, Heidelberg University
- Kirill Gokhberg, Heidelberg University
- Ghazal Jabbari, Heidelberg University
- Nikolai Kryzhevoi, Heidelberg University
- Alexander Kuleff, Heidelberg University
- Vasili Stumpf, Heidelberg University
- Kiyonobu Nagaya, Kyoto University
- Hironobu Fukuzawa, Tohoku University
- Kiyoshi Ueda, Tohoku University
- Simone Techert, University of Göttingen
- Kazuto Yamauchi, Osaka University
Work Group Meeting VI
Robotics: Challenges & Opportunities in the 21st Century

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 1.011, Basement
Date and Time: 30 September, 2016 from 09:00 to 12:00
Chair: Prof. Tamim Asfour, KIT
Co-Chair: Prof. Kazuhiro Kosuge, Tohoku University

Organizers / Speakers
Prof. Tamim Asfour, Karlsruhe Institute of Technology (KIT)
Prof. Shinya Aoi, Kyoto University
Prof. Essam Badreddin, University of Heidelberg
Prof. Minoru Asada, University of Osaka
Prof. Kensuke Harada, University of Osaka
Prof. Kazuhiro Kosuge, Tohoku University
Prof. Yasuhisa Hirata, Tohoku University
Prof. Fumitoshi Matsuno, Kyoto University
Prof. Katja Mombaur, University of Heidelberg
Prof. Satoshi Tadokoro, Tohoku University
Prof. Florentin Wörgötter, University of Göttingen
Prof. Kazuya Yoshida, Tohoku University

Contributors
Speakers and organizers

Outline and Objectives of the Session
Robotics is a continuously growing field where basic research makes advances across a wide variety of subfields and where industrial demands massively drive the publicly most visible developments. As a consequence there is a strong need to take care of the heavily interdisciplinary character of this field and to find measures for better integration of the different contributing scientific areas.
To this extend, the working group organized the “International Workshop “Robotics in the 21st century: Challenges and Promises” to discuss how to re-specify robotics and how to define the currently most relevant core research and development questions? The central question currently is: How can robotics in the 21st century better contribute to the advancement of basic research and at the same time maintain a leading role also for future industrial developments. This also concerns how robotics is situated in our society and how society perceives this field.

The goal of the session is to discuss the results of the workshop, the different possibilities for future collaborations between the HeKKSaGOn universities.

**Program**

- **9:00** Welcome at KIT, Prof. Tamim Asfour
- **9:10**: Presentations of the robotics activities and new developments at the different universities (each 10 minutes)
- **11:00**: Discussion on new trends on robotics in Germany and Japan
- **11:30** Plans for future joint activities
- **12:00** End

**Existing Cooperation**

In addition to the participation in all previous HeKKSaGOn Presidents Conferences and several meetings in conjunction with big international robotics conference, the working group was active in the last year in the organization of top-level events to discuss future of robotics on global level as well as in the exchange of students between the partner universities.

**International workshop “Robotics in the 21st century: Challenges and Promises”**

The working group has received substantial support from the German Volkswagen Foundation for organizing a high-level international workshop on “Robotics in the 21st century: Challenges and Promises”, which took place on September 25-28, 2016 in Germany. The workshop discussed how to re-specify robotics and how to define the currently most relevant core research and development questions in robotics? The central question currently is: How can robotics in the 21st century better contribute to the advancement of basic research and at the same time
Abstracts Working Group Meetings

maintain a leading role also for future industrial developments. This also concerns how robotics is situated in our society and how society perceives this field. To this end, 42 internationally acknowledged researchers were invited in present their views on the field and current developments in the areas of 1) modern AI and robotic-AI, 2) robot cognition and semantics, 3) learning and autonomy, 4) engineering robotics systems, 5) robotic ethics and philosophy and 6) interdisciplinary robotics aspect. The Workshop was funded by the Volkswagen Foundation and the HeKKSaGOn Network.

The First International Symposium on Swarm Behavior and Bio-Inspired Robotics
The symposium was organized at the Kyoto University on October 28-30, 2015 with Fumitoshi Matsuno as General chair. Florentin Wörgötter (Göttingen) and Prof. Tamim Asfour (KIT) were member of the program committee. In addition, a joint workshop on “Embodied sensorimotor interaction: from locomotion to collective behavior” was organized in conjunction with the symposium by Florentin Wörgötter, Poramate Manoonpong (Gottingen), Yuichi Ambe, and Shinya Aoi (Kyoto University).

Student exchange (supported by HeKKSaGOn)
- BoHyeon Kim, Matsuno Lab, Kyoto University at KIT from Dec 14, 2015 – February 29, 2016
- Peter Kaiser, Asfour Lab, KIT in the Tohoku University Engineering Summer Programme (TESP), July 27 – August 07, 2015
- Markus Grotz, Asfour Lab, KIT (Prof. Asfour) participated in Kyoto Winter School “From Materials to Life: Multidisciplinary Challenges“, February 15–26, 2016

Participants:
- Essam Badreddin, Heidelberg University
- Katja Mombaur, Heidelberg University
- Shinya Aoi, Kyoto University
- Fumitoshi Matsuno, Kyoto University
- Kazuhiro Kosuge, Tohoku University
- Yasuhisa Hirata, Tohoku University
- Florentin Wörgötter, University of Göttingen
- Minoru Asada, Osaka University
- Tamim Asfour, KIT
- Rüdiger Dillmann, KIT
- Kensuke Harada, Osaka University
- Robert Huber, Chamber of Commerce and Industry Karlsruhe
Work Group Meeting VII
Japanese-German Neuroscience Research Network Focusing on Psychosis, Affective Disorders and Related Traits

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 1.012, Basement
Date and Time: Friday, September 30, 9:00 a.m. – 12:00 noon
Chair: PD. Dr. Stephanie Witt, Heidelberg University
Co-Chair: Prof. Hiroaki Tomita, Tohoku University

Program

9:00h-9:10h Introduction
Stephanie Witt, Hiroaki Tomita

9:10h-9:40h Neuroinflammation and mental disorders
Hiroaki Tomita (Tohoku University, Japan)

9:40h-10:10h Aberrant Resting State Functional Connectivity In Mental Disorders
Masanori Isobe (Kyoto University, Japan)

10:10h-10:40h Epigenetic Effects of Early Life Stress: A Convergent Approach
Stephanie Witt (University Heidelberg, Germany)

10:40h-10:50h Break

10:50h-11:20h Polygenic burden analyses of disease trajectories of major psychoses.
Heike Anderson-Schmidt (Göttingen University, Germany)

11:20h-11:50h Ambulatory assessment as a means of longitudinal phenotypes characterization in psychiatric disorders
Ulrich W. Ebner-Priemer (KIT, Germany)

11:50h-12:00h General discussion
Existing Cooperation

- Symposium at the World Congress of Biological Psychiatry in Athens (June 14th – 18th): New insights of clinical, neurobiological and genetic aspects in mental illness: HeKKSAGOn participants: TG Schulze (Göttingen) & Ryota Hashimoto (Osaka)

- Symposium at the World Congress of Psychiatric Genetics in Toronto (October 16th – 20th): Sequencing, Direct-to-consumer-testing, Biobanking: The Explosion of Ethical Challenges in Psychiatric Genetics, Experiences from Asia, Europe, and North America: HeKKSAGOn participants: TG Schulze (Göttingen) & Fuji Nagami (Tohoku)

- Publication of a special issue of Neuroscience Research on longitudinal research in biological psychiatry in 2016: Going longitudinal in biological psychiatric research: All things considered. HeKKSAGOn members TG Schulze (Göttingen) & Ryota Hashimoto (Osaka) served as guest editors (see attachment). Here, HeKKSaGOn mentioned in the acknowledgement.

Outline and Objectives of the Session

Participants:

- Witt Stephanie, Heidelberg University
- Isobe Masanori, Kyoto University
- Ebner-Priemer Ulrich, KIT
- Tomita Hiroaki, Tohoku University
- Anderson-Schmidt Heike, University of Goettingen
Work Group Meeting VIII
Mathematics at the Interface of Science and Technology towards Innovation – Seeds in Mathematics versus Needs outside Mathematics

Venue: KIT Department of Mathematics, Bldg, 20.30, Room 1.013, Basement
Date and Time: 30 September, 2016 from 09:00 to 12:15
Chair: Prof. Dr. Wilderich Tuschmann, Karlsruhe Institute of Technology
Co-Chair: Prof. Dr. Takashi Suzuki, Osaka University

Organizers / Speakers
Fernando Galaz-Garcia (Karlsruhe)
Stephan Huckemann (Göttingen)
Tsuyoshi Kato (Kyoto)
Seiya Kuno (Osaka)
Anna Marciniak-Czrocha (Heidelberg)
Takashi Shioya (Tohoku)

Contributors
Shinpei Baba (Heidelberg)
Ryunosuke Ozawa (Tohoku)
Anna Wienhard (Heidelberg)

Outline and Objectives of the Session
Mathematics has a long history of providing the common language and the appropriate intellectual framework for many other disciplines. In this classical scheme, mathematical new breakthroughs do not a priori affect other sectors of society, except in a longer perspective. A new paradigm, however, appeared in the late 1980s. Problems that human society encounters nowadays have become more and more complex, and also much larger in data size. In this new context, Mathematics must also acknowledge and focus on these immediate needs and hence also take new positions and directions in its research.
The main objective of this work group is to promote cooperative research activities among the six universities in applications of mathematics to real world problems as well as in advancing the frontier of pure mathematics, based on the ideas that to attack new real world problems we need new mathematical concepts and methods, and that in turn new applications of mathematical theories will also stimulate the theories themselves.

In the 2016 session, we discuss new roles and applications of Mathematics in Life science, data analysis as well as new challenges from geometry. Special emphasis will also be placed on discussing the role of young researchers in these fields.

In the session itself, one contributor from each of the six universities will present some of his/her own work and projects to illustrate possible research areas where the universities could be able to join forces and participate. We will then jointly discuss which future developments and joint projects we should concentrate upon, and how this process could be further fostered and further accompanied by specific events like conferences and seasonal schools. This will be detailed in a concluding summary.

**Program (tentative)**

Chair: Tuschmann, Co-Chair: Suzuki

- **09:00 – 09:10** Welcome and Introduction by W. Tuschmann and T. Suzuki
- **09:10 – 09:30** Takashi Shioya, Tohoku: “Metric measure geometry and concentration of measure”
- **09:35 – 09:55** Anna Marciniak-Czochra, Heidelberg: “Mathematical models to understand cancer evolution”
- **10:00 – 10:20** Tsuyoshi Kato, Kyoto: “Tropical geometry and its applications”
- **10:25 – 10:45** Stephan Huckemann, Göttingen: “On Synthetic Fingerprint Generation”
- **10:50 – 11:10** Seiya Kuno, Osaka: “Theoretical Structure and Algorithm of Volatility Index Japan”
- **11:15 – 11:35** Fernando Galaz-Garcia, Karlsruhe: “Metric spaces with curvature bounded below and topological data analysis”
- **11:40 – 12:15** Further discussion of joint future events and collaborations
Held Joint Meetings and Existing Cooperations

1st G-J Presidents’ Conference (July 2010, Heidelberg)
Professors Marciniak-Czochra (Heidelberg) and Kotani (Tohoku) organized a session (Mathematics in Life Sciences, Materials Science and Economy).

2nd G-J Presidents’ Conference (March 2012, Kyoto)
- Workgroup session: Mathematics in Life Sciences, Materials Science and Economy. (Chair: Takagi (Tohoku), Co-chair: Marciniak-Czochra)

3rd G-J Presidents’ Conference (September 2013, Göttingen)
- Workgroup session: Mathematics in Life Sciences, Materials Science and Economy. (Chair: Takagi (Tohoku), Co-chair: Heuveline (Heidelberg))

Miniworkshop “Approaches from Discrete Mathematics, PDEs and Stochastics to Pattern Recognition” in Göttingen, 14 September, 2013, organized by Huckemann (Göttingen)

Summer School in Göttingen “Inference on Pattern Formation: Applications to Biology and Materials Science” (11—20 September, 2014) organized by Huckemann (Göttingen) and Takagi (Tohoku)

4th Presidential Conference HeKKSaGOn “Building venues for the creation of new knowledge and values”, April 2015, Tohoku University, Sendai
- Workgroup session: Mathematics in Life Sciences, Materials Science and Economy. (Chair: Takagi (Tohoku), Co-chair: Tuschmann (Karlsruhe))

HeKKSaGOn Mini-Workshop “Frontiers in Mathematical Sciences”, Sendai, April 18, 2015

Other Collaborations and Exchanges:
Participants:
- Shinpei Baba, Heidelberg University
- Anna Marciniak-Czochra, Heidelberg University
- Anna Wienhard, Heidelberg University
- Tsuyoshi Kato, Kyoto University
- Fernando Galaz-Garcia, KIT
- Wilderich Tuschmann, KIT
- Ryunosuke Ozawa, Tohoku University
- Takashi Shioya, Tohoku University
- Stephan Huckemann, University of Göttingen
- Seiya Kuno, Osaka University
- Takashi Suzuki, Osaka University
Work Group Meeting IX
Data Science

Venue: KIT Department of Mathematics, Bldg. 20.30, Englerstraße 2, Room 1.014, Basement
Date and Time: Friday, September 29th and 30th, 2016 9:00 a.m. – 12:00 noon
Chair: Prof. Dr. Ramin Yahyapour, University of Göttingen

Tentative Talks:
- „Multi-Modal and Multi-Dimensional Data in Time, Space and for Data Journalism“
  Erik Bründermann, Institute for Beam Physics and Technology (IBPT), Karlsruhe Institute of Technology (KIT) and and Shizuoka University, Hamamatsu, Japan
- “Open Access to Data for open Science“
  Takashi Hikihara, Professor, Director General of Library Network, Kyoto University
- “Research Data Alliance“
  Rainer Stotzka, IPE, Karlsruhe Institute of Technology (KIT)
- “Enabling Data-Intensive Science“, Achim Streit, SCC, Karlsruhe Institute of Technology (KIT)
- “Launching Open Data and Research Data Management in Kyoto“, Takaaki Aoki, Academic Center for Computing and Media Studies, Kyoto University
- “Research Data Management and Service Infrastructures at Univ. Goettingen“
  Ramin Yahyapour, GWDG, Universitát Göttingen

Overview
The fast adoption of advanced technologies by research communities enables new ways for generating, processing, structuring, and collaborative use of data. This has not only significant impact on the amount of data produced, but also on the variety of data formats and the velocity of data generation and handling. Consequently, scientists and research organisations have to cope with organizational challenges to manage data effectively and efficiently to support excellent research. Furthermore the focus of information infrastructures shifts towards collaborations, which accelerate the development of decentralized, globally distributed data repositories and likewise distributed data analysis.
In essence, data has become a major research asset. Although this is well known to research institutions and communities, many struggle with meeting the growing requirements regarding methodologies, knowledge, and infrastructures. The implementation of data management policies is a prominent example. Many institutions specify such policies, but the execution remains challenging, and is, consequently, not well understood or implemented. This pertains, inter alia, to the realisation of data management plans, to the reliable long-term archiving of data, or to the reproducibility of data. It is therefore essential for research organisations to address these challenges and define a concept that incorporates scientific requirements and strategic demands. This includes method development, infrastructure and skill training.

A collaboration in HeKKSaGoN could consider the following aspects:
- Strategies for research data management at universities
- Methods for data management and analytics
- Research infrastructures for data management and analytics, e.g. in data-intensive computing or storage services for large scientific data
- Teaching and training on data science related topics
- Security, data privacy, legal and ethical questions

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- Takashi Hikihara, Kyoto University
- Erik Bründermann, KIT
- Rainer Stotzka, KIT
- Achim Streit, KIT
- Takeshi Tokuyama, Tohoku University
- Ramin Yahyapour, University of Göttingen
- Naoya Takegami, Embassy of Japan
- Christopher Kränzler, lengoo GmbH
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- Huber, Robert *(Chamber of Commerce and Industry Karlsruhe)*
- Jäger, Wolfram *(First Major of the City of Karlsruhe)*
- Kodaira, Keiichi *(Japan Society for the Promotion of Science)*
- Kränzler, Christopher *(lengoo GmbH)*
- Langer, Franziska *(German Research Foundation)*
- Takegami, Naoya *(Embassy of Japan)*
- Yanagi, Hidenao *(Consulate General of Japan in Munich)*
Arrival Information
**ACHAT Plaza Karlsruhe from Karlsruhe main train station (Karlsruhe Hbf)**

ACHAT Plaza Karlsruhe  
Mendelssohnplatz  
76131 Karlsruhe  
Phone: +49 (0)721 37 17-0  
Fax: +49 (0)721 37 71-56  
E-Mail: karlsruhe-plaza@achat-hotels.com

The following times are only referential.  
The tram runs every 9 Minutes in the same direction.

**S-Bahn S4 (AVG) Direction S4 Bretten Gölhhausen**

- dep 09:55  Karlsruhe Hbf Vorplatz, Bay A
- arr 10:01  Karlsruhe Rüppurrer Tor

**Footpath approx. 3 Minutes**

- Start Karlsruhe Rüppurrer Tor  
- straight ahead 15 m  
- At Rüppurrer Straße left 79 m  
- Arrival Karlsruhe, Achat Plaza Karlsruhe
**B&B Hotel from Karlsruhe main train station (Karlsruhe Hbf)**

B&B Hotel Karlsruhe  
Schwarzwaldstraße 92  
76137 Karlsruhe  
Phone: +49 (0)72 14 90 24-0  
Fax: +49 (0)72 14 90 24-444  
E-Mail: karlsruhe@hotelbb.com

**Karlsruhe Hbf. Walk 270 m, 3 min**

1. Head south on Bahnhofpl. 140m  
2. Continue straight to stay on Bahnhofpl. 36 m  
3. Turn left onto Hinterm Hauptbahnhof. 15 m  
4. Turn right to stay on Hinterm Hauptbahnhof. 21 m  
5. Turn left onto Schwarzwaldstraße. 61 m
Karlsruhe Hbf to Hotel ibis Karlsruhe Hauptbahnhof
Walk 450 m, 6 min

Hotel ibis Karlsruhe Hauptbahnhof
Poststrasse 1
76137 Karlsruhe
Phone: (+49) 721 35 23 20
Fax: (+49) 721 35 23 24 00
General informations: H6965@accor.com

Karlsruhe Hbf
1. Head north on Bahnhofpl. 160 m
2. Turn right to stay on Bahnhofpl. 120m
3. Turn right to stay on Bahnhofpl. 190m
Destination will be on the right
Novotel from Karlsruhe main train station (Karlsruhe Hbf)

Novotel Karlsruhe City
Festplatz 2
76137 KARLSRUHE - GERMANY
Phone: +49 (0)72 13 52 60
Fax: (+49)72 13 52 61 00
E-Mail: h5400@accor.com
GPS. N 49° 0’ 12.96” E 8° 24’ 4.13”

The following times are only referential.
The tram runs every 10 Minutes in the same direction.

Straßenbahn 3 (VBK) Direction 3 Heide
Niederflurwagen

- dep 10:02  Karlsruhe Hbf Vorplatz, Bay C
- arr 10:06  Karlsruhe Mathystraße
  Interchange Footpath approx. 3 Minutes

Straßenbahn 5 (VBK) Direction 5 Rintheim
Niederflurwagen

- dep 10:09  Karlsruhe Mathystraße
- arr 10:11  Karlsruhe Konzerthaus

Footpath approx. 5 Minutes

- Start Karlsruhe Konzerthaus
- At Konzerthaus straight ahead 33m
- bear to the right 278m
- Arrival Karlsruhe, Novotel Karlsruhe City (Festplatz 2)

Next page
Transportation from Frankfurt Airport to Karlsruhe Main Station

The long-distance train station ("Frankfurt am Main Fernbahnhof") is in close proximity of the airport, next to Terminal 1. Once you get there, take a train to Karlsruhe Main Station.

All departures from Frankfurt Airport Fernbahnhof can be found on the following website:


Trains from Frankfurt Airport to Karlsruhe run every hour either straight without changing trains (each uneven hour, e.g. 9:53, 11:53, 13:53) or with changeover at Mannheim Central Station (each even hour, e.g. 10:53, 12:53, 14:53).

Train tickets can be booked on the following website:

http://reiseauskunft.bahn.de/bin/query.exe/en

Enter as point of departure ("from station"): "FRA Frankfurt Airport"
Enter as point of destination ("to station"): "Karlsruhe Hbf"

Example:

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<th>Date</th>
<th>Time</th>
<th>Duration</th>
<th>Chg.</th>
<th>Products (type of train)</th>
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<td>15:53</td>
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<td>Flughafen Fernbf</td>
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</tbody>
</table>

[Map of train route from Frankfurt to Karlsruhe]
Information about Karlsruhe
What to do in Karlsruhe:
http://www.karlsruhe-tourismus.de/en

Karlsruhe – at the heart of Europe

Karlsruhe is located in attractive natural surroundings near the Black Forest, the Palatinate Mountains and the Vosges Mountains in neighbouring France. The city has excellent transport connections, with the A5 and A8 motorways linking Karlsruhe with the entire European road network. The IC and ICE high-speed trains stop at Karlsruhe central station, as does the TGV, meaning that Paris is only three hours away. Karlsruhe/Baden-Baden Airport offers flight connections with many European destinations, while Frankfurt International Airport is just an hour away with the ICE.

Karlsruhe – business and hi-tech centre

The city is at the heart of the Karlsruhe TechnologyRegion, one of the most dynamic and successful economic regions in Europe. Over 2,500 companies are active in the IT and media sector alone. Karlsruhe is well known as the city of researchers: Carl Benz, inventor of the automobile, was born here; while physicist Heinrich Hertz discovered electromagnetic waves at the city’s university. Today, one of the most prominent think tanks is Karlsruhe Institute of Technology (KIT), a merger of Karlsruhe Research Centre and Karlsruhe University.
Karlsruhe – home to art and culture

Visitors to Karlsruhe will not be disappointed by its cultural attractions. The city is home to a number of excellent museums. In addition to the Baden State Museum (Badisches Landesmuseum), located in the Karlsruhe palace, there is the State Art Gallery (Staatliche Kunsthalle), Municipal Gallery (Städtische Galerie) and Natural History Museum (Naturkundemuseum). Karlsruhe's ZKM | Centre for Art and Media – Germany's answer to France's Pompidou Centre – offers a unique cultural experience. As the world's first interactive museum, it invites visitors to join in and be amazed. Every year, the international art scene comes together for the art KARLSRUHE art fair.

Karlsruhe – a green city with savoir-vivre

Karlsruhe combines urban flair with attractive parks and natural landscapes. Shoppers flock to the busy shopping streets and the largest indoor shopping centre in southern Germany. Just a few minutes away, green oases such as the municipal gardens (Stadtgarten) and the riverbanks along the Rhine are ideal for enjoying a walk or a quiet break. Lovers of good food will find plenty to tempt the palate in Karlsruhe. Renowned for their outstanding quality, restaurants specialising in the traditional cuisine of Baden offer dishes prepared with locally grown ingredients.

Contact persons
How may we help you?

Please feel free to let us know about your questions and remarks.

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