



HeKKSaGOn – The German-Japanese University Network

Conference Documentation

5th Japanese - German

University Presidents' Conference

Fostering Student Mobility to shape tomorrow's Researchers and Innovators

September

29th and

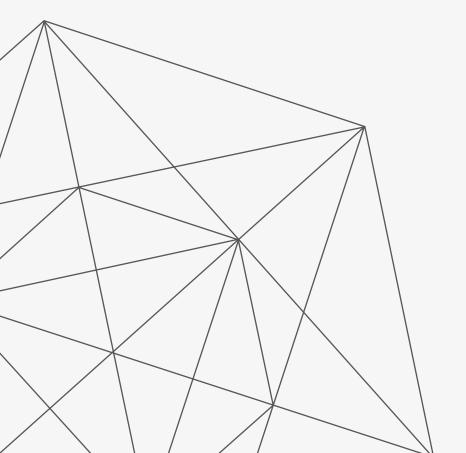
30th, 2016

Karlsruhe

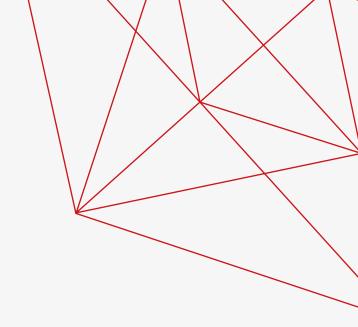
Institute of

Technology

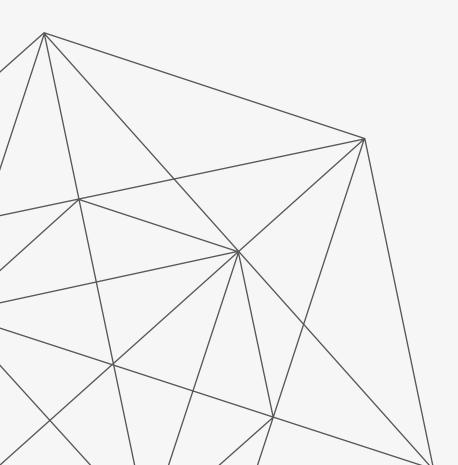








Mission Statement



Mission Statement 3

Mission Statement

In consideration of

- the traditionally good relations between Japan and Germany and
- the long-lasting successful collaboration between research institutions of the two countries

and remaining of the conviction

- that all major global problems can only be solved by international cooperation in research and by the open and free exchange of knowledge and research results,
- that changes in one part of the world have effects in other parts,
- that it is the responsibility of the scientifically and technologically advanced nations to find solutions not only for their own countries but on a global scope
- that universities should provide education and training to students and young researchers which prepare them for the demands and challenges of a globalized world.

Six leading research universities from Japan and Germany decided in July 2010 to establish a bi-national network in order to intensify their cooperation in research and teaching in areas of high importance for the welfare of their societies and manking as a whole.

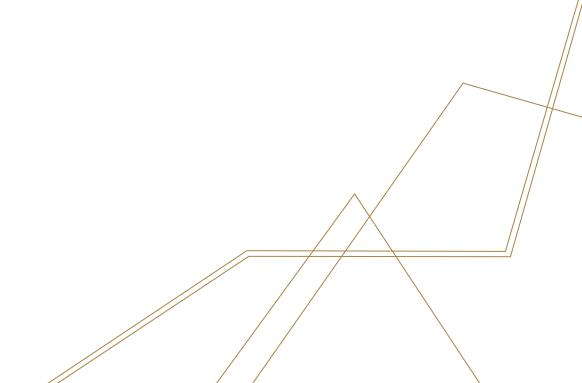
The network members – Heidelberg University, Kyoto University, Karlsruhe Institute of Technology, Tohoku University, University of Göttingen and Osaka University – are institutions with common research interests, but differing profiles. By combining the complementary strengths and fields of expertise of its members and encouraging interdisciplinary collaboration, the network will enhance its research potential and create a "critical mass" for innovative solutions that can be globally applied. In addition, varying national academic traditions and approaches offer the chance to overcome culturally conditioned limitations and to open up new perspectives.

Mission Statement 4

The bi-national network aims at contributing to the welfare both of our countries and of the world at large. In order to achieve its objectives, the consortium has agreed to concentrate on the following activities:

- to set up research groups on specific aspects related to the priority areas
- to involve individual researchers of other research institutions and industrial partners in research projects
- to cooperate in the training of young researchers and to develop joint programmes for graduate/doctoral students
- to promote the mobility of academic staff, young researchers and students within in the consortium
- to cooperate as a consortium in competing for funding from national and international agencies
- to disseminate research results and make them available to the public for innovation and application.

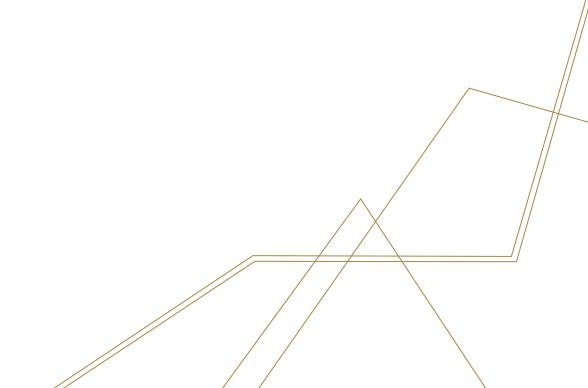
The Presidents and the Rector of the participating universities hereby commit themselves to support and encourage cooperation among the partner institutions and sign this declaration in witness thereof.

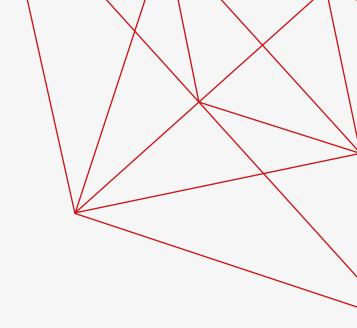


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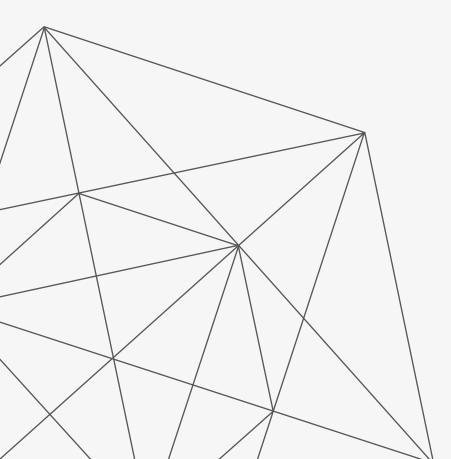
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- Official Plenary Program
- Scientific Program
- Networking Program



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

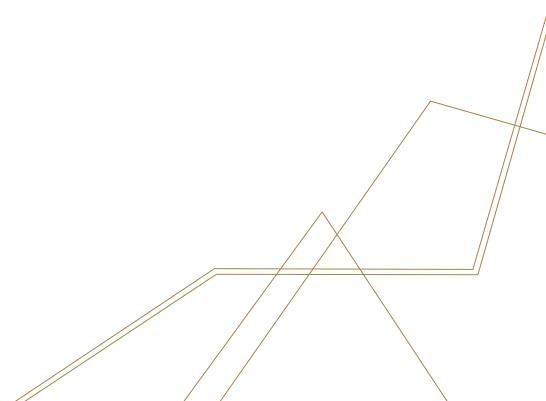
Toasts

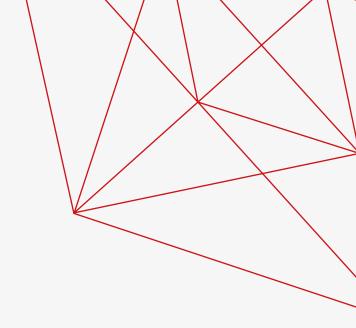
Prof. Dr. Susumu Satomi, President Tohoku University

Prof. Dr. Ulrike Beisiegel, President University of Göttingen

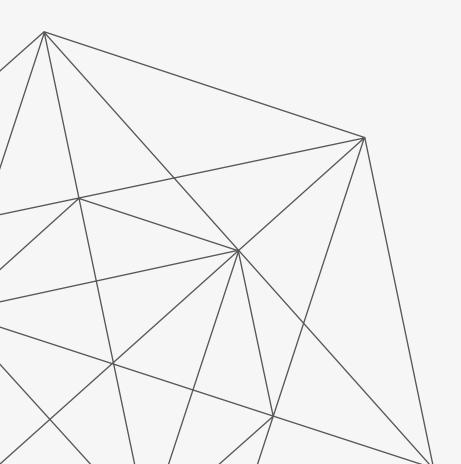
Prof. Dr. Shojiro Nishio, President Osaka University

9:00 p.m. Transfer back to hotels





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 Mathe-
	matics and Dean of the Faculty of Chemistry and Earth Sciences



Membership (excerpt)

since 2016	Vice Chairman of the Baden-Württemberg state Rectors'
	Conference

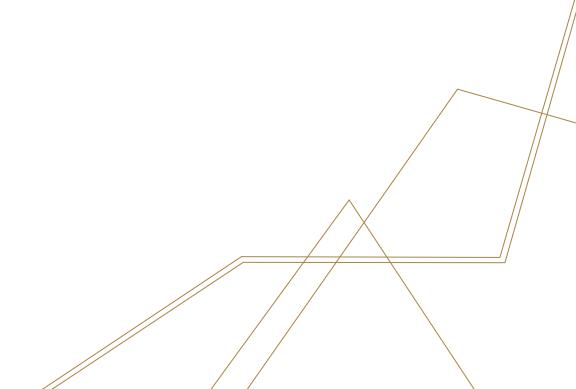
2012 – 2014 Spokesman of the German U15 – a strategic interest group for outstanding German research universities with top medical faculties

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 Acadamy of Sciences
2008	Member of the German Academy of Science and Engineering
	(acatech)



Prof. Dr. A. Stephen K. Hashmi

Heidelberg UniversityVice-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

Next page

- 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 Universtiy (Tokyo, Japan)
- Distinguished Adjunct Professor, King Abdulaziz University (KAU), Jeddah,
 Saudi Arabien
- Member oft he 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
- Member of the International Advisory Board of ChemCatChem, of Chem. Eur. J., and of Adv. Synth. Catal. (all Wiley-VCH)
- 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

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
1984 – 1987	External member of the Institute for Solid State Physics at the
	FZ Jülich
1983 – 1984	Postdoc at the Institute for Solid State Physics at the FZ Jülich

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 UniversityPresident



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 –	President, Kyoto University
Present	
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
1995 – 2008	Director, Japanese Society for African Studies
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

1973	Bachelor of Science, Nara Women's University, Japan
1975	Master of Science, Kyoto University, Japan

1978 Doctor of Science, Kyoto University, Japan

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

Positions Held

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

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
- Translator: Exploring Immunology Concepts and Evidence, G. Gordon MacPherson, Jonathan M. Austyu, Tokyo Kagaku Dojin Co.Ltd., 2014

Prof. Dr.-Ing. Holger Hanselka

Karlsruhe Institute of Technology President

12/1992



Education/Career

10/1001 11/1000	Prof. DrIng. Günter Niederstadt • Subject: "Ein Beitrag zur Charakterisierung des Dämpfungsverhaltens polymerer Faserverbundwerkstoffe" (Contribution to Characterizing the Damping Behavior of Polymer Fiber Composites)
10/1981 – 11/1988	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

Doctorate: Dr.-Ing. at TU Clausthal, 1992,

supervisors: Prof. Dr.-Ing. habil. Werner Hufenbach and

10/2006 – 09/2012

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 12/1988 – 11/1997 Scientist at DLR Braunschweig 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

Gesellschaft e.V., Chairman of the Fraunhofer Materials and Components Group

2002 – 2006 Member of the European Sustainable Surface Transport Advisory Group SSTAG

Member of the Presidential Council of the Fraunhofer

Dr. Ulrich Breuer

Karlsruhe Institute of Technology (KIT)
Vice President Finance and Business Affairs



Work experience

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

Next page

Education and training

Dates 1988 – 1990

Title of qualification awarded Doctor's degree in physics (Dr rer nat)

Principal subjects/occupational Thesis Title: 'Thermal Behaviour of Surface

skills covered Structures of Single Crystals:

Surface Structure and Anisotropy of the

Surface Free Energy'

Name and type of organisation Rheinisch-Westfälische Technische

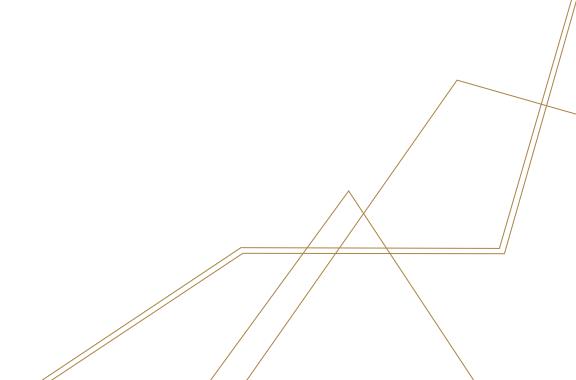
providing education and training Universität Aachen, Germany

Dates 1981 – 1987

Title of qualification awarded Diplom in physics

Name and type of organisation Rheinisch-Westfälische Technische

providing education and training Universität Aachen, Germany



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.
	Thesis: "The Accomplishment of the Common Market Organi-
	sation in the Federal Republic of Germany"

Professional Career

11/1980 – 03/1988	Scientific assistant at the law schools of the Universities of
	Göttingen and Osnabrück
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 (for-
	mer 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

06/1992	Doctoral Degree at the University of Karlsruhe (TH)
10/1982 - 04/1988	Studies of Chemistry at the University of Karlsruhe (TH)

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

Awards, Decorations, and Memberships

Since 01/2015	Chairman of ProcessNet
Since 07/2014	Chairman of the Steering Committee state research program
	Bioeconomy in Baden-Württemberg
Since 04/2012	Member of the DFG-council ("Deutsche Forschungsgemein-
	schaft") of process engineering in technical chemistry
2012 – 2015	Member of the board of the association BioEconomy e.V. and
	scientific Coordinator of the Leading Edge Cluster of BioEconomy
2009 – 2012	Member of the German Bioeconomy Council
	(of German Federal Government)

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

02/1988 – 12/1991 Research associate and doctoral candidate at Institute for Physical Metallurgy, University of Stuttgart

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

Next page

Professional Career and Activities

07/2011 - 05/2013 Spokesman of KIT Competence Area "Matter and Materials "

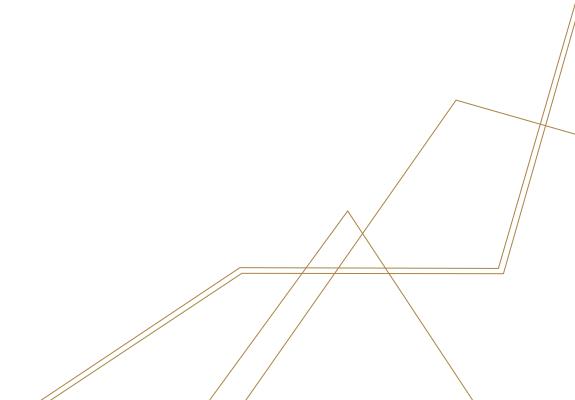
09/2012 – 05/2013 Chief Higher Education Officer (CHEO) of KIT

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

1984 –	Ph.D., (Dr. of Medicine Science) Tohoku University
1974 –	M.D., Tohoku University School of Medicine

Positions Held	
2014 –	President, The Japan Association of National Universities
2013- 2014	Vice President, The Japan Association of National Universities
2012 – present	President, Tohoku University
2008 – 2012	President, Japan Surgical Society
2005– 2012	Vice President, Tohoku University
2004 – 2012	Director, Tohoku University Hospital
1999 – 2012	Chairman and Professor, Division of Advanced Surgical
	Science and Technology, Tohoku University Graduate School
	of Medicine
1995 – 1999	Chief Professor, Second Department of Surgery,
	Tohoku University School of Medicine
1986 – 1995	Associate Professor, Second Department of Surgery,
	Tohoku University School of Medicine
1984 – 1986	Research Fellow, Harvard University, Institute of Transplantation
1982 – 1984	Assistant Professor, Second Department of Surgery,
	Tohoku University School of Medicine
1977 – 1982	Medical Staff, Second Department of Surgery,
	Tohoku University School of Medicine
1975 – 1977	Medical Staff, Department of Surgery, Yuri Kumiai Hospital
1974 – 1975	Medical Staff, Department of Surgery,
	Tokyo Saiseikai Central Hospital



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 UniversityExecutive Vice President (for General Affairs and International Relations)



Education/Career

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

1983 – 1986 Research Associate, Faculty of Law, University of Tokyo

Teaching and Research Carrier:

	resources, resource, resource, or services or restly or
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

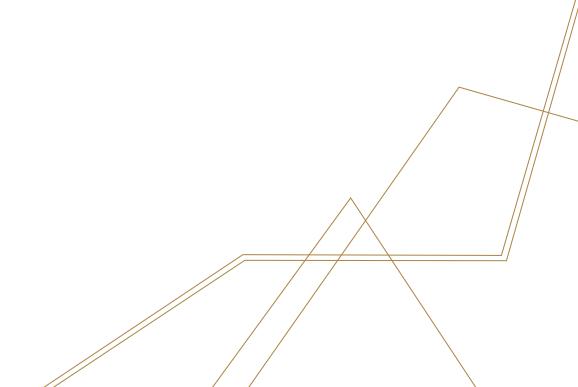
University of Göttingen President



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

1983	Heinz Maier-Leibnitz Prize from the German Ministry of
	Education and Science
1996	Honorary Doctor at the Faculty of Medicine,
	University of Umeå, Sweden
2008	Rudolf Schönheimer Medal of the
	German Atherosclerosis Society
2014	Ubbo Emmius Medal of the University of Groningen,
	Netherlands
2015	Honory Doctor of Science, University of Edinburgh,
	Great Britain
2000 – 2008	Member of the Review Board Biological Chemistry and Physics,
	DFG
2000 – 2005	Member of the Ombudsman, 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 Landeshochschulkonferenz' Executive Board



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

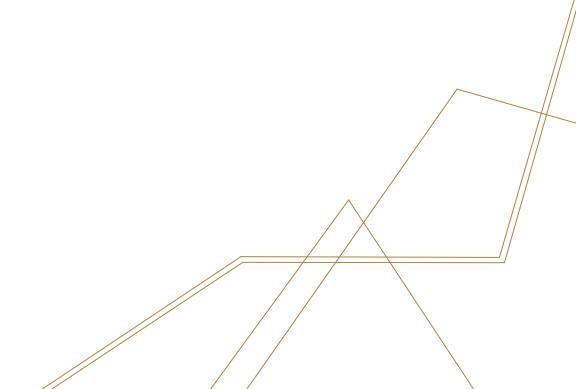
Awards and Memberships

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

ions Heid	
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

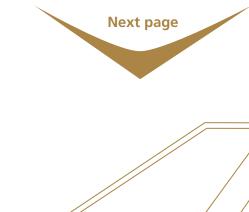
Memberships

- Institute of Electrical and Electronics Engineers (IEEE) (Computer Society, Technical Committee on Data Engineering, Asian Coordinator: 1992 – 1997)
- Association for Computing Machinery (ACM)
- Information Processing Society of Japan (IPSJ) (a member of the board of trustees: 1999 - 2000, and Vice President: 2012 - 2013)
- 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.
- Science Council of Japan (2006-Present, Chair of Informatics: 2011 – 2014)

- 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

- M. Shirakawa, K. Nakayama, T. Hara, and S. Nishio: Wikipedia-based Semantic Similarity Measurements for Noisy Short Texts Using Extended Naive Bayes, IEEE Trans. on Emerging Topics in Computing, Vol. 3, No. 2, pp. 205 – 219, June 2015.
- Y. Komai, Y. Sasaki, T. Hara, and S. Nishio: KNN Query Processing in Mobile Ad Hoc Networks, IEEE Trans. on Mobile Computing, Vol. 13, No. 5, pp. 1090 – 1103, May 2014.
- Y. Okaie, T. Nakano, T. Hara, and S. Nishio: Distributing Nanomachines for Minimizing Mean Residence Time of Molecular Signals in Bionanosensor Networks, IEEE Sensors Journal, Vol. 14, No. 1, pp. 218 – 227, Jan. 2014.
- T. Yoshihisa and S. Nishio: A Division-Based Broadcasting Method Considering Chanel Bandwidths for NVoD Services, IEEE Trans. on Broadcasting, Vol. 59, No. 1, pp. 62 – 71, Mar. 2013.
- M. Erdmann, K. Nakayama, T. Hara, and S. Nishio: Improving the Extraction of Bilingual Terminology from Wikipedia, ACM Trans. on Multimedia Computing, Communications and Applications, Vol. 5, No. 4, Article 31, pp. 31 – 1-31 – 17, Oct. 2009.
- K. Harumoto, T. Nakano, S. Fukumura, S. Shimojo, S., and S. Nishio: Effective Web Browsing through Content Delivery Adaptation, ACM Transactions on Internet Technology, Vol. 5, No. 4, pp. 571 – 600, Nov. 2005.
- H. Hayashi, T. Hara, and S. Nishio: Updated Data Dissemination for Updating Old Replicas in Ad Hoc Networks, ACM/Springer Personal and Ubiquitous Computing Journal, Vol. 9, No. 5, pp. 273 – 283, Sept. 2005.
- S. Nishio: Opening up New Vistas on Advanced Multimedia Content Processing, New Generation Computing, Vol. 18, No. 4, pp. 295 – 303, Sept. 2000.
- T. Hara, K. Harumoto, M. Tsukamoto, and S. Nishio: Database Migration: A New Architecture for Transaction Processing in Broadband Networks, IEEE Trans. on Knowledge and Data Engineering, Vol. 10, No. 5, pp.839 – 854, Sept. – Oct. 1998.
- C.-L. Goh, M. Tsukamoto, and S. Nishio: Knowledge Discovery in Deductive Databases with Large Deduction Results: The First Step, IEEE Trans. on Knowledge and Data Engineering, Vol. 8, No. 6, pp.952 – 956, Dec. 1996.
- J. A. Brzozowski and S. Nishio: On Serializability, Inter. J. of Comput. and Infor.
 Sciences, Vol. 14, No. 6, pp. 387 403, Dec. 1985.
- S. Nishio, T. Ibaraki, H. Miyajima, and T. Hasegawa: Evaluation of the File Redundancy in Distributed Database Systems, IEEE Trans. on Software Eng., Vol. SE – 11, No. 2, pp. 199 – 205, Feb. 1985.

Prof. Dr. Shinsuke Yamanaka

Osaka University Executive Vice President



Education

1989	Ph.D., Engineering, Osaka University
1981	M.A., Engineering, Osaka University
1979	B.A., Engineering, Osaka University

Positions Held

1 051110115 11010				
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

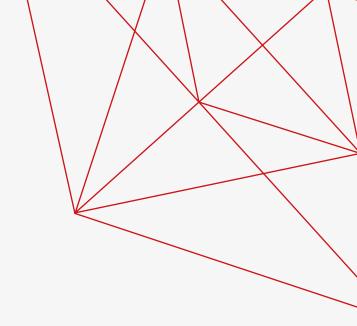
- Honors and Awards Fellow from Atomic Energy Society of Japan (2016)
 - Best Paper Award from Atomic Energy Society of Japan (2008)
 - Best Paper Award from Thermoelectrics Society of Japan (2004)
 - Encouraging Prize from Atomic Energy Society of Japan (1990)

Area of Expertise

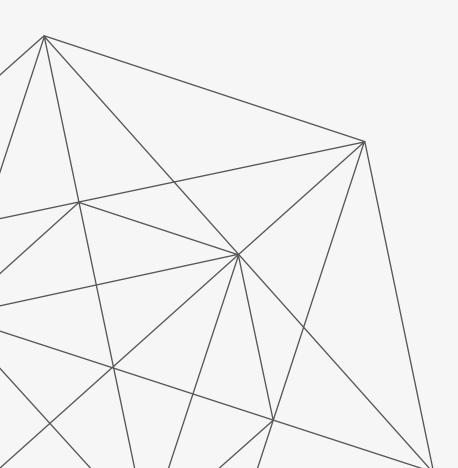
Energy conversion materials such as nuclear fuel and materials, thermoelectric materials and photoelectrochemical materials.

Selected Publications

- 1. Bottom-up nanostructured bulk silicon: a practical high-efficiency thermoelectric materia, Aikebaier Yusufu, Ken Kurosaki, Yoshinobu Miyazaki, Manabu Ishimaru, Atsuko Kosuga, Yuji Ohishi, Hiroaki Muta, and Shinsuke Yamanaka NANOSCALE 6(22) 13921-13927, (2014).
- Chalcopyrite CuGaTe2: A High-Efficiency Bulk Thermoelectric Material, Plirdpring Theerayuth, Ken Kurosaki, Atsuko Kosuga, Tristan Day, Samad Firdosy, Volupanur Ravi, Jeffrey G. Snyder, Adul Harnwunggmoung, Tohru Sugawara, Yuji Ohishi, Hiroaki Muta, and Shinsuke Yamanaka, ADVANCED MATERIALS, 24 27 3622-3626, (2012).
- 3. Chalcopyrite CuGaTe2: A High-Efficiency Bulk Thermoelectric Material, Theerayuth Plirdpring, Ken Kurosaki, Atsuko Kosuga, Tristan Day, Samad Firdosy, Vilupanur Ravi, G. Jeffrey Snyder, Adul Harnwunggmoung, Tohru Sugahara, Yuji Ohishi, Hiroaki Muta, and Shinsuke Yamanaka, Advanced Materials, 24 3622-3626, (2012).
- High-temperature thermoelectric properties of Cu1-xInTe2 with a chalcopyrite structure Atsuko Kosuga, Theerayuth Plirdpring, Ryosuke Higashine, Mie Matsuzawa, Ken Kurosaki, and Shinsuke Yamanaka Appl. Phys, Lett. 100, 042108 (2012).
- 5. Thermoelectric properties of Ag1-xGaTe2 with chalcopyrite structure, Aikebaier Yusufu, Ken Kurosaki, Atsuko Kosuga, Tohru Sugahara, Yuji Ohishi, Hiroaki Muta, and ShinsukeYamanaka, Appl. Phys, Lett. 99, 061902 (2011).
- 6. High-temperature thermoelectric properties of Cu2Ga4Te7 with defect zinc-blende structure, Theerayuth Plirdpring, Ken Kurosaki, Atsuko Kosuga, Manabu Ishimaru, Adul Harnwunggmoung, Tohru Sugahara, Yuji Ohishi, Hiroaki Muta, and Shinsuke Yamanaka, Appl. Phys. Lett. 98, 172104 (2011).
- 7. High-temperature thermoelectric properties of thallium-filled skutterudites, Adul Harnwunggmoung, Ken Kurosaki, Hiroaki Muta, and Shinsuke Yamanaka, Applied Physics Letters 96, 202107, (2010).
- 8. Enhancement of Thermoelectric Efficiency in PbTe by Distortion of the Electronic Density of States, Joseph P. Heremans, Vladimir Jovovic, Eric S. Toberer, Ali Saramat, Ken Kurosaki, Anek Charoenphakdee, Shinsuke Yamanaka, and G. Jeffrey Snyder, Science, 321, 554-557 (2008).



University Presentations





FOSTERING STUDENT MOBILITY TO SHAPE TOMORROW'S RESEARCHERS AND INNOVATORS

President's Office/ HeKKSaGOn Meeting 2016/ Prof. Dr. h.c. Bernhard Eitel / President

Heidelberg University



The Comprehensive
University is the place
where key disciplines
creatively interact to address
the fundamental challenges
societies are faced with.



Facts and Figures



 Students (term 15/16)
 30,848

 PhD Graduations (2015)
 1,210

 Doctoral students (2015)
 6,500-7,000

 Female
 50,9%

 Habilitations (2015)
 96

Total funding (2015) 706,4 Mio €

Third-party funding (expenses) (2015) 240,2 Mio €



3

International Affairs

Facts and Figures



5,590 (18.1%)

Humanities 2,790 (19,2%)
Natural Sciences 5ocial Sciences Medicine 928 (16,5%)
N.N 928 (16,5%)

PhD Graduations (2015)

310 (25.6 %)

Humanities 42 (22,1%)
Natural Sciences 179 (35,8%)
Social Sciences 8 (17,3)
Medicine 81 (17,0%)

Habilitations (2015) 14 (13,5%)





International Affairs Statement



Heidelberg University supports as many students as possible studying abroad to promote their **intercultural competencies**, to educate them becoming **cosmopolitan** researchers and to prepare them for an **internationalizing job market**.



5

International AffairsRepresentations Abroad



Heidelberg Center para America Latina (HCLA) Santiago de Chile (since 2002)

Liaison Office North America, New York (since 2008)

Heidelberg Centre South Asia, New Delhi (since 2009)

Branch offices of the South Asia Institute in New Delhi, Colombo, Kathmandu and Islamabad

Heidelberg University Office, Kyoto (since 2015)



2

International Affairs Cooperation (selected)





STUDENT MOBILITY (2015)

Heidelberg offers programs to/for

Study abroad (450 partner univ.) Short-term fellowships

MOBILITY WITHIN RESEARCH PROJECTS / ORIENTATION (2015)

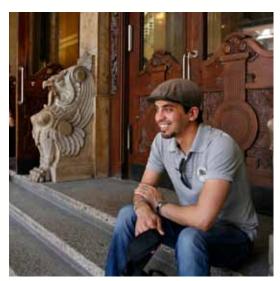
Summer / Winter Schools
Institutional (bi- and trilateral)
Individual

ExIni II – int. mobility in research ExIni II – int. guest professors Foreign visiting scholars (410) Indiv. & project specific measures

7

International AffairsCooperation (selected)





STUDY ABROAD (2015) Outgoing

657 ERASMUS students ~200 students in bilateral programs 50 BW scholarships

152 DAAD scholarships

124 PROMOS short-term scholarships

Incoming

544 ERASMUS students
~200 students in bilateral programs
53 BW scholarships
413 DAAD scholarships

International Affairs Cooperation (selected)





SANTANDER INT. SUMMER / WINTER SCHOOLS (2015)

Winter School, Kyoto (March '15)
What is Caesar's, what is God's?

Summer School, Santiago de Chile (July '15)

Molecular Catalysts - Tools for Chemical Synthesis

Summer School, IWH Heidelberg (Sept./Oct. '15) Arising Awareness – Sustainable Development of human society within the frame of planet Earth

9

International Affairs Vision



Our goal is to establish a new quality in **study alliance**.

Students from today should be able to study at dedicated leading partner universities world-wide and travel criss-cross around the globe.

We want to make sure, that they do not miss anything in their curriculum by **synchronizing study programs** with partners world-wide.



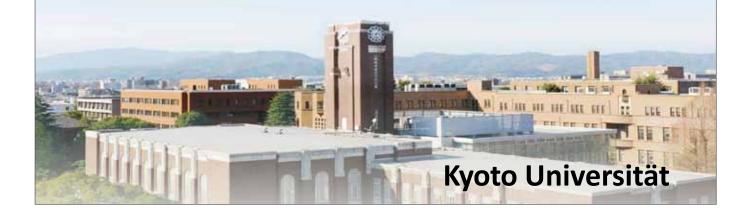
UNIVERSITÄT HEIDELBERG ZUKUNFT SEIT 1386





The 5th HeKKSaGOn Japanese-German University Presidents' Conference

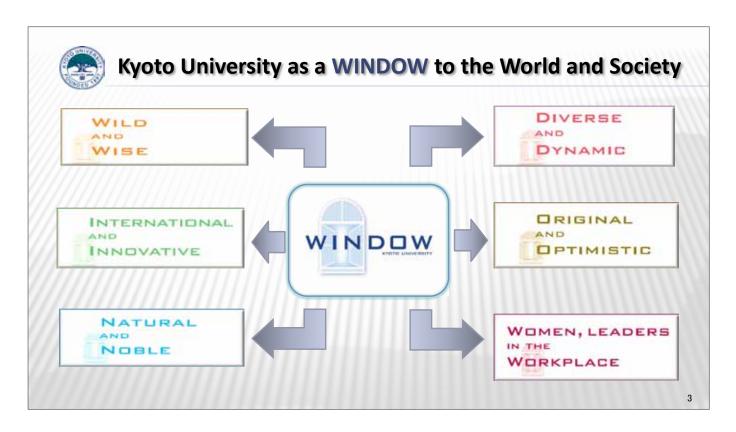
Fostering Student Mobility to Shape Tomorrow's Researchers and Innovators

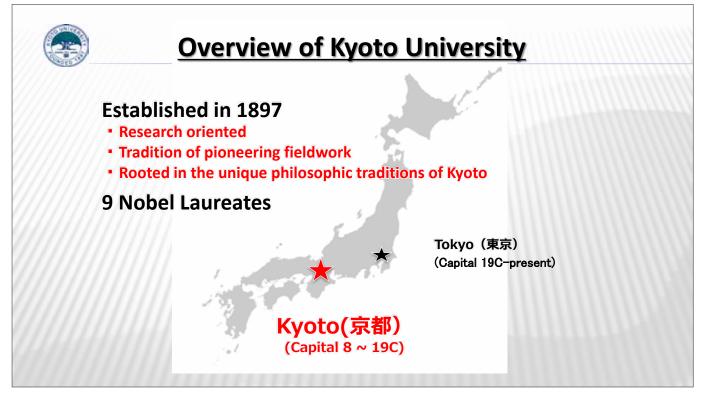


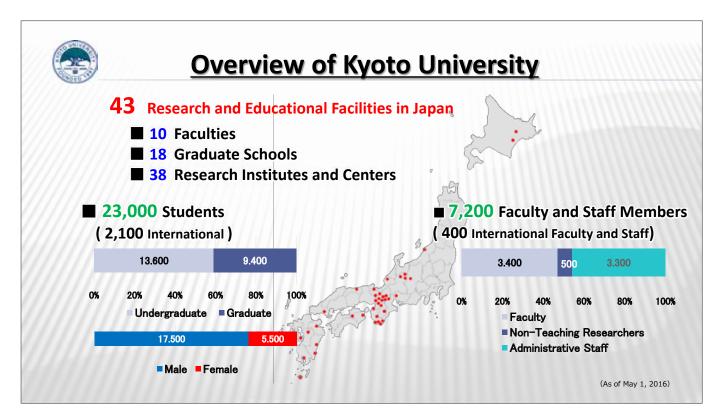


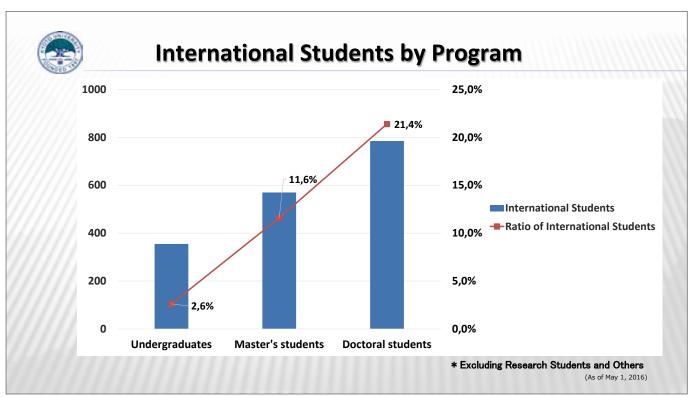
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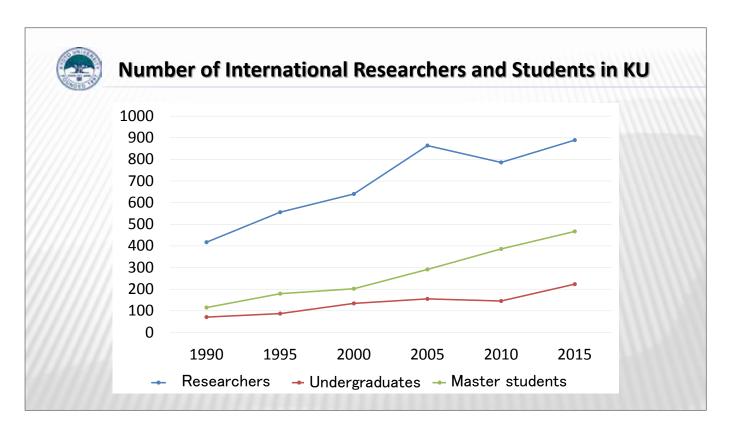
- I . KU Initiatives, Policy, and Student Mobility at Present
- II. Exchange with German Universities
- **III.** Challenges and Efforts to Foster Tomorrow's Researchers and Innovators

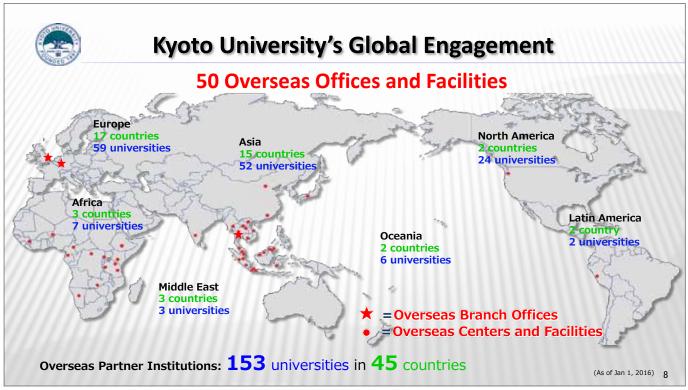


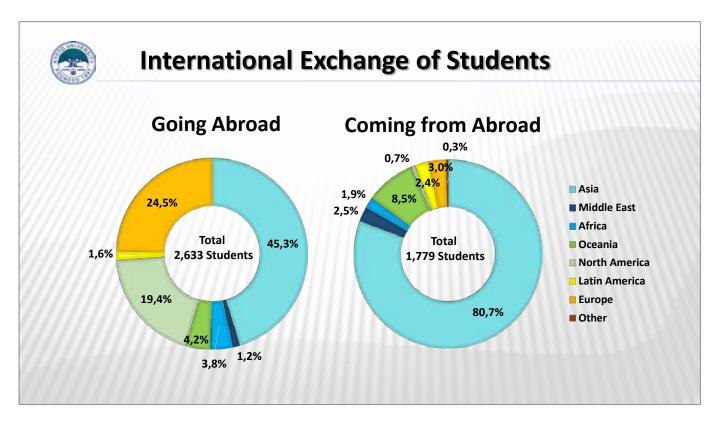






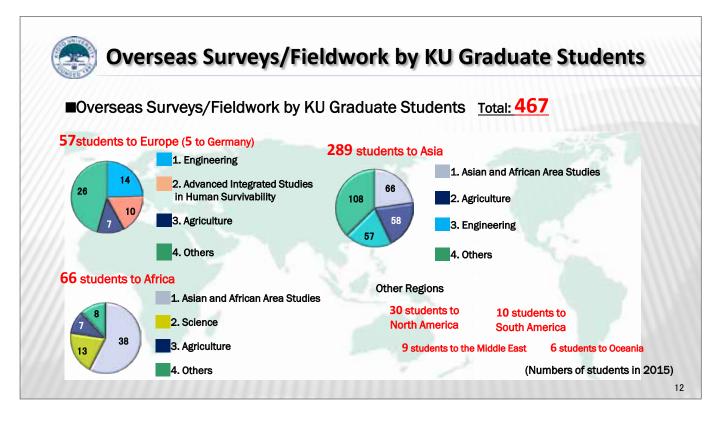








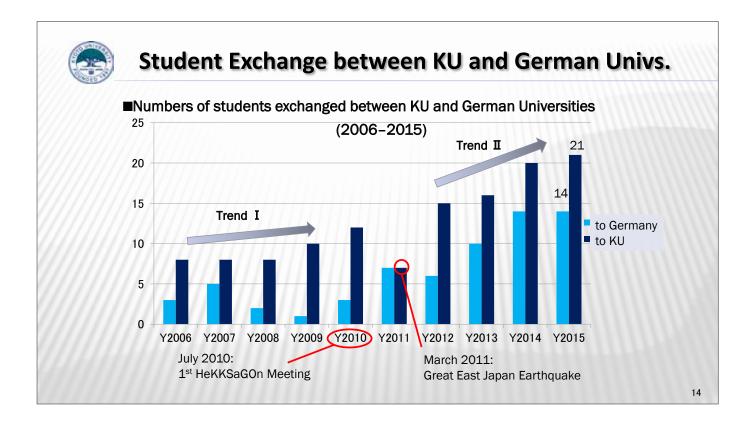


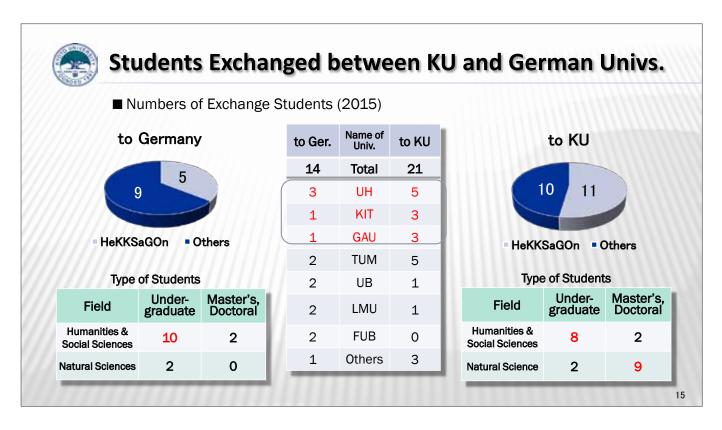


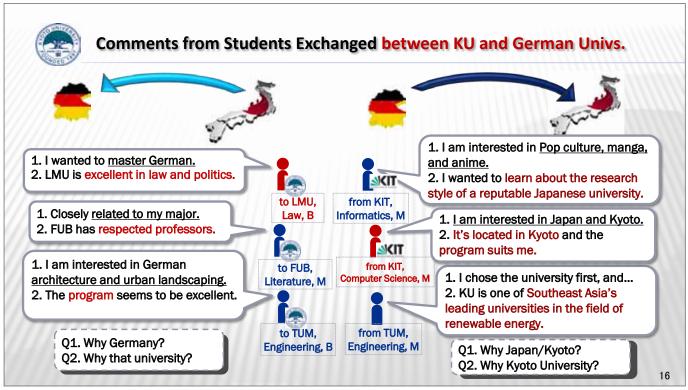


Contents

- I . KU Initiatives, Policy, and Student Mobility at Present
- II . Exchange with German Universities
- III. Challenges and Efforts to Foster Tomorrow's Researchers and Innovators



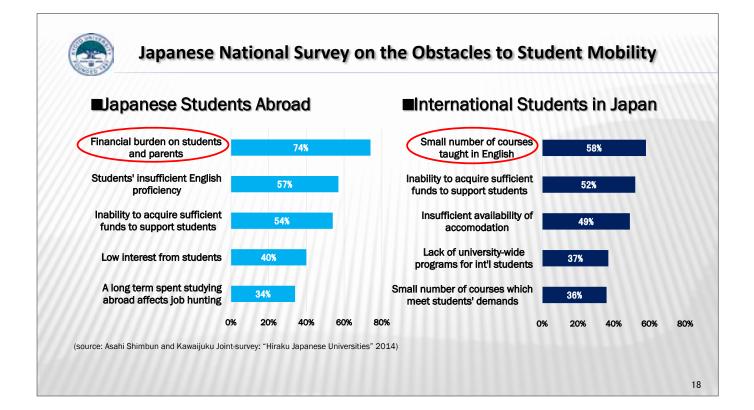


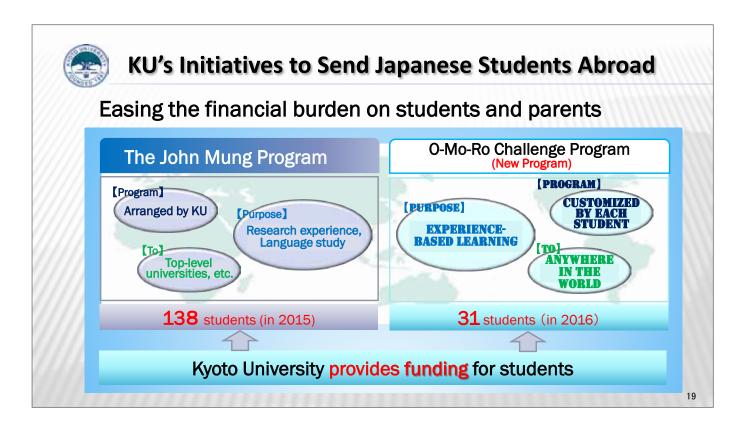


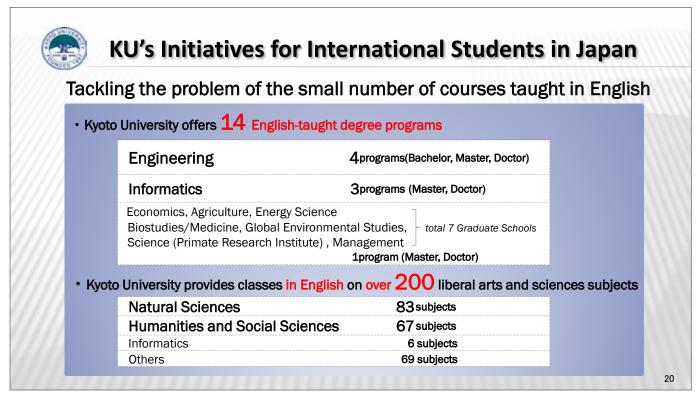


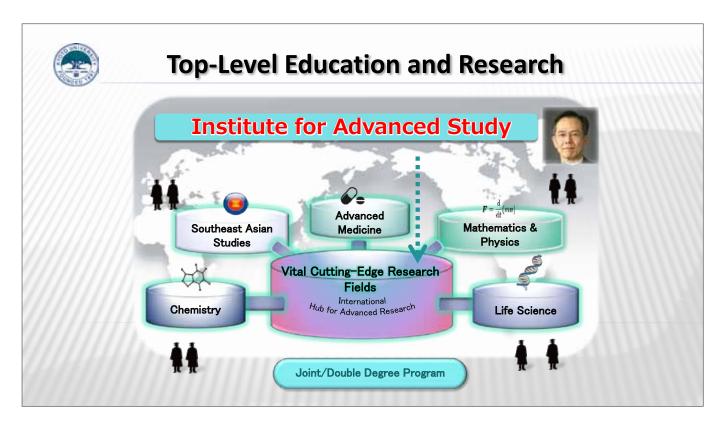
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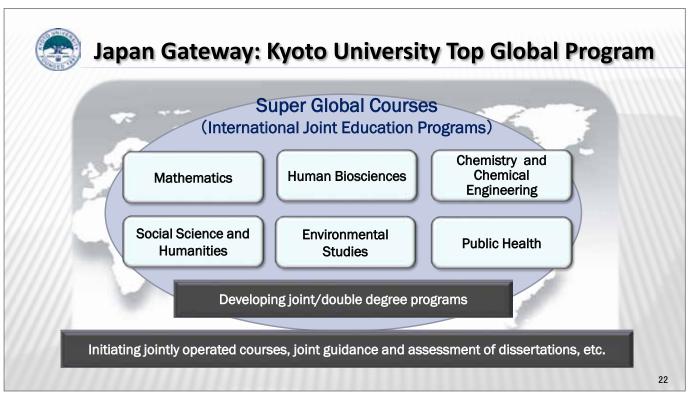
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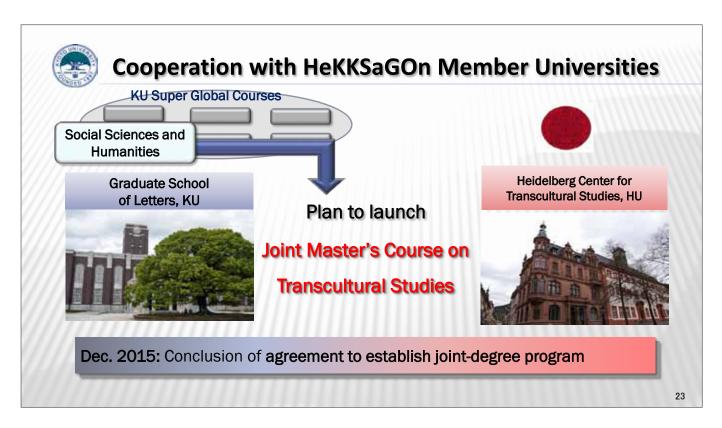






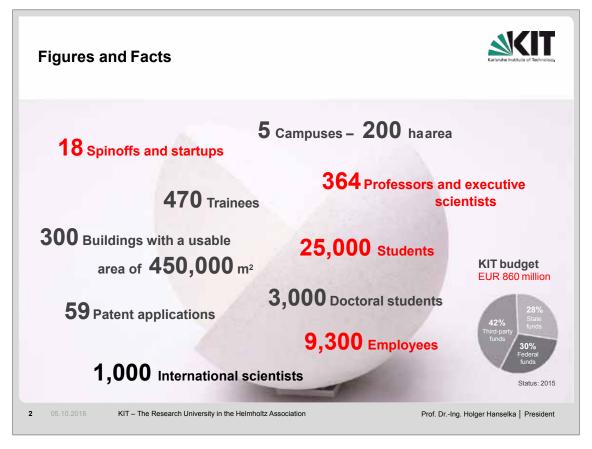


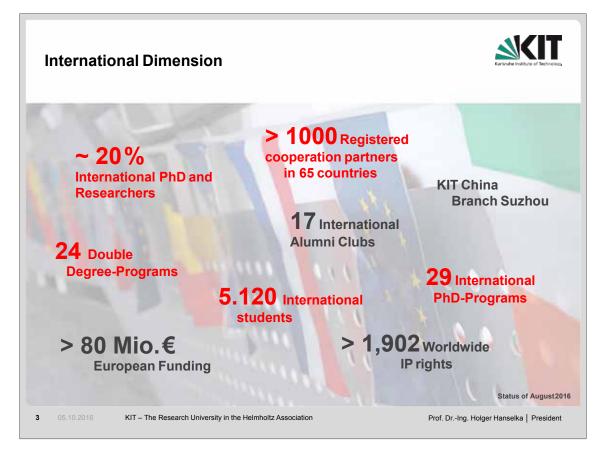


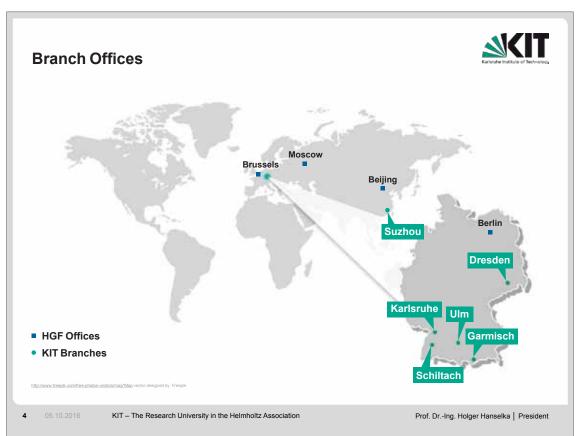


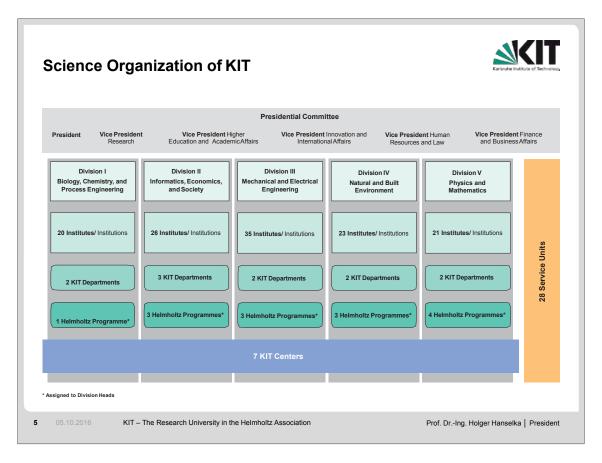


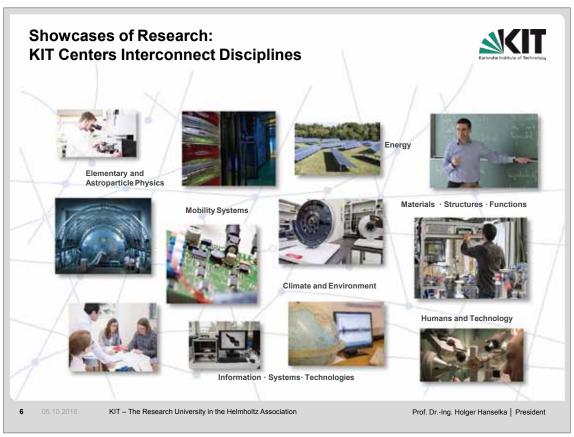


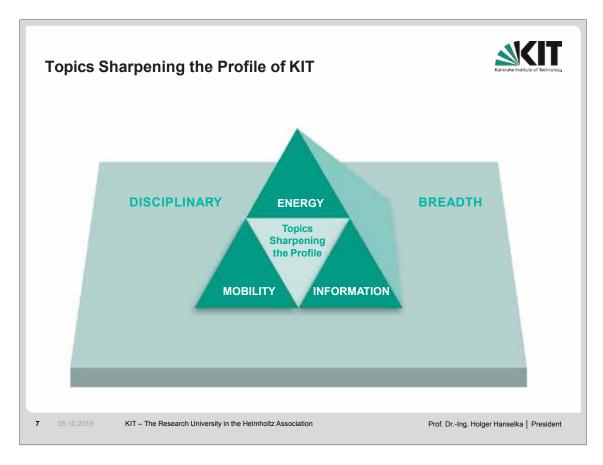


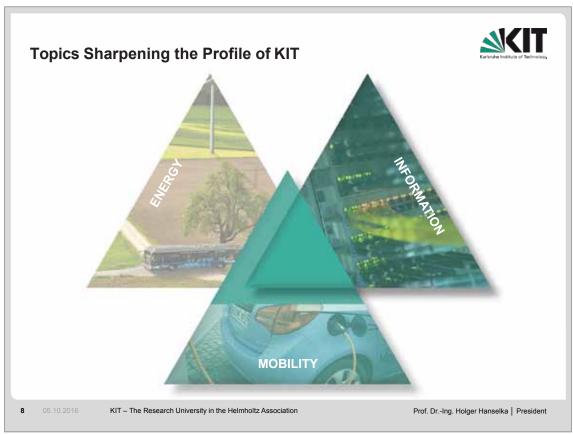












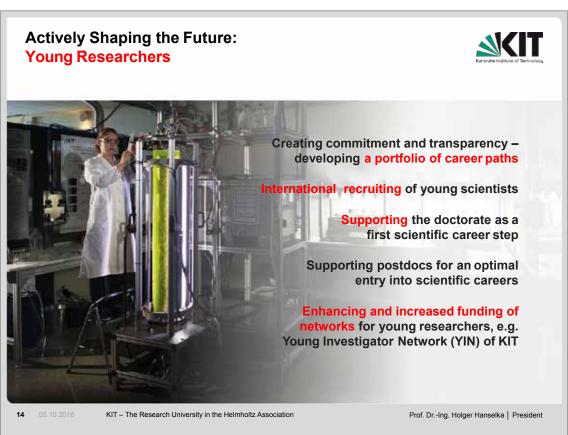












KIT – Excellent Research, Outstanding Higher Education, and Driver of Innovation



Participation of all scientists Excellent research infrastructure in teaching and research Cultural diversity Excellent research infrastructure DEVELOPING SCIENTIFIC CAREER PATHS

The Research University in the Helmholtz Association

KIT thinks and acts as ONE institution

TRANSPARENT SERVICES FOR RESEARCH, Energy TEACHING, AND INNOVATION

Research-based INNOVATION AS A Mobility teaching and STATUTORY MISSION Information learning

TOWARDS A LEADING POSITION IN EUROPE

15 05.10.2016

KIT – The Research University in the Helmholtz Association

Prof. Dr.-Ing. Holger Hanselka | President



Tohoku University

Fostering Student Mobility

Sep 29, 2016

HeKKSaGOn 5th Japanese-German University Presidents' Conference

President of Tohoku University

Susumu Satomi

7



Selected by Government's Funding Projects for University Internationalization



Global 30 Global 30 (2009-2013)

The project aims to <u>promote</u> <u>internationalization</u> of academic environment at universities in order to <u>accept excellent international students</u>. Tohoku University was selected as one of 13 universities.



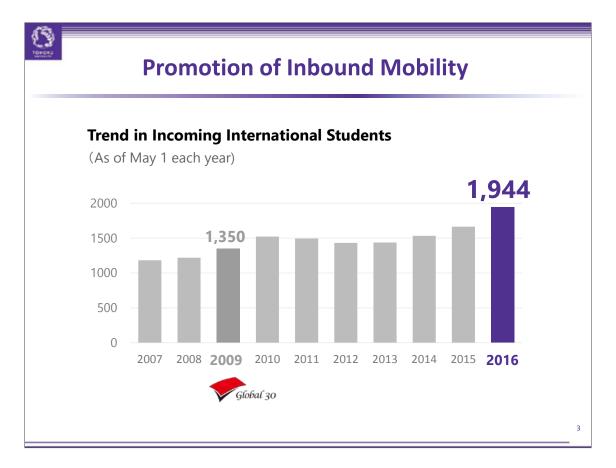
Go Global Japan (2012-2016)

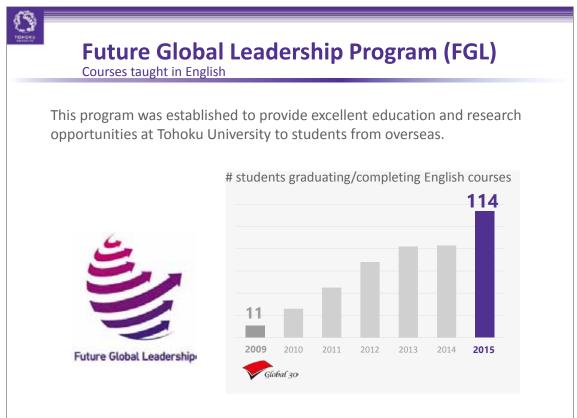
The project provides support for developing education system to promote the global capabilities of students, in order to foster human resources who can work internationally and positively take on global challenges.



Top Global University Project (2014-2023)

This big Project is to support <u>full-on globalization</u> at universities through the reform of internal governance and the <u>collaboration</u> with leading overseas institutes.







Future Global Leadership Program (FGL)

Courses taught in English

3 Undergraduate Courses	
АМС	Advanced Molecular Chemistry (AMC)
IMAC-U	International Mechanical & Aerospace Engineering (IMAC-U)
АМВ	Applied Marine Biology (AMB)



	15 Graduate Courses
IMSE	Materials Science & Engineering
IMAC-G	Mechanical & Aerospace Engineering
EISEBE	Engineering, Information Sciences, Environmental Studies, Biomedical Engineering
ITSC	Information Technology & Science Course
DSP	Data Science Program
IGPAS	Advanced Science
IELP	Environmental Leadership Program
ICLS	Life Science
IOHS	Oral Health Science
IPHS	Human Security
вмс	Basic Medicine Course
NMC	Network Medicine Course
IGPL	Language Sciences
IGSAP	Accounting Policy
GPEM	Global Program in Economics & Management



Exchange Programs (For Partner Universities)

- Tohoku University has an extensive range of student exchange programs at universities throughout the world.
- Most programs are open to undergraduate and postgraduate students.
- Credits earned at Tohoku University can be transferred to the student's home university, depending on their school's policies







Support for International Students



University House
Students from Japan
and overseas live
together in the same
environment.



President's Fellowship Provides tuition,

Provides tuition, entrance and test fees for international students of excellent character and academic standing.



International Support Office

Offers various supports for international students and researchers.



Promotion of Outbound Mobility

Our plan to change the "inward looking" mindset of young people, and cultivate a generation that can actively contribute on the global stage.



Internationalization of the Curriculum Faculty Development for Global Education Improving Foreign Language Competencies Cultivation of Global Human Resources Support to Promote Study Abroad Programs



TOP GLOBAL UNIVERSITY JAPAN



Tohoku University Global Leader Program

Cultivating Global Human Resources

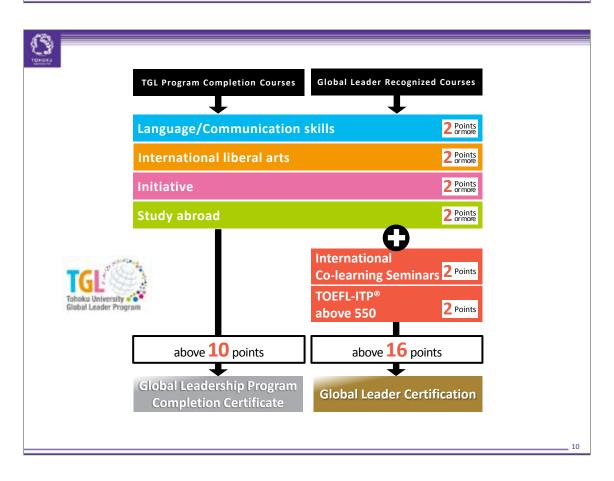
with 6 Key Competencies

- High-level Specialist Abilities
- Ability to See From a Bird's-eye View to Cross Discipline Boundaries
- Communication Abilities
- Problem Finding/Solving Abilities
- Understanding of Foreign Cultures and Societies
- Leadership Abilities

Voluntary Registration System

- respecting the independence of students
- Approx. 2000 participants
- 25% of 1st & 2nd year students are registered.







Tohoku university English Academy (TEA)

English language courses established in 2015 to enable students the opportunity to acquire the necessary level of English needed to study overseas and compose English-language research articles

TEA's ENGLISH

Regular Program Intensive Programs (Winter & Summer)

I Counseling

Every Mon, Wed & Fri, 12-17

English Proficiency TestsTOEFL ITP®, TOEFL iBT®, IELTS, TOEIC®



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Short-term overseas training program

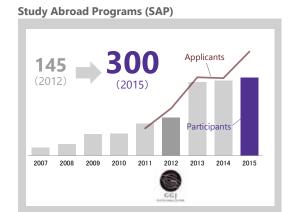
1,227

Institutions	Number of Participants
University of California, San Diego (USA	81
University of California, Riverside □USA□	411
University of Hawai'i at Mānoa □USA□	50
Simon Fraser University □Canada□	43
The University of Sydney □Australia□	144
The University of New South Wales Australia	94
Monash University □Australia□	29
University of Auckland (New Zealand)	15
The University of Sheffield □UK□	43
The University of York □UK□	60
Universität Paderborn □Germany□	44
École Centrale de Lyon (France)	18
Universidad de Alcalá □Spain□	15
Chulalongkorn University ☐ Thailand ☐	46
Foreign Trade University □Vietnam□	55
Seoul National University □South Korea□	
Gadjah Mada University □ndonesia□	17

National Chengchi University Taiwan
Universitas Indonesia Indonesia

Total

Statistics on SAP participants (2007-2015)







High School Bridging Program

Pre-enrollment overseas training

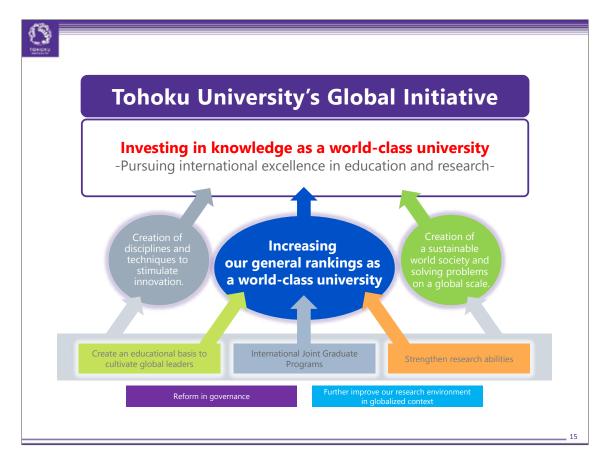
High School Students who's Admission to is decided by their AO Exam/ Science Olympiads Results

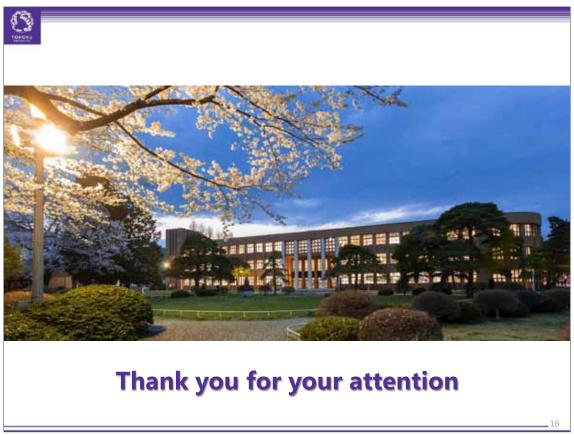


2 weeks at UC Riverside

Classes, Student Exchange and Homestays in California













University of Göttingen



13 years Foundation under Public Law

- full autonomy to appoint professors
- independent staff management
- independent financial management
- · ownership of buildings and real estate
- 235 buildings as foundation asset

1









Jacob Grimm (1785 to 1863) Wilhelm Grimm (1786 to 1859)

belonged to the "Göttingen Seven" - Professors who protested against the repeal of the constitution of the state of Hanover by King Ernst August, and were dismissed from their University posts in 1837

Critical Spirit

Göttingen Declaration 1957

18 prominent nuclear scientists



Carl Friedrich von Weizsäcker







Facts

- 30.000 students (incl.Medicine)
 (12 % international)
- 500 doctorates per year



- 7.600 staff*
- 375 tenured professors (23 % female)
- 220 Mio EURO state support
- 110 Mio EURO third-party funding
- * w/o medicine

13 Faculties

- · Agricultural Sciences
- Forest Sciences
- Biology and Psychology
- Chemistry
- · Geosciences and Geography
- · Mathematics and Computer Science
- Physics
- Law
- Social Sciences
- Economic Sciences
- Humanities
- Theology
- Medical Center



GEORG-AUGUST-UNIVERSITÄT GÖTTINGEN Gättingen



Göttingen Campus

Close and vibrant partnership between the University the Medical Center and Non-university Partners

.... model for future science landscape in Germany:



Göttingen Campus



Göttingen Campus



Campus Partners:

MPI for Biophysical Chemistry
MPI for Dynamics and Self-Organization
MPI for Experimental Medicine
MPI for Institute for Solar System Research
MPI for the Study of Religious and Ethnic

German Primate Center (Leibniz Institute) Academy of Sciences and Humanities German Aerospace Center (DLR)

Associated Partners

University of Applied Science (HAWK) Georg-Eckert-Institut (Leibniz) Private University of Applied Science

Companies:

- Phwye
- Otto Bock
- KWS
- Sartorius

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Göttingen Spirit





Perfect environment for research and teaching and high standard of living at the Göttingen Campus



Göttingen Campus



Internationality - Göttingen Campus

STATUS QUO: research

Strategic cooperation Neuroscience (ENI)

on main research focuses Sustainable use of natural resources (PR China)

digital transformation (UC, USA) research into religion (Hebrew, U4)

Young scientists/PhDs graduate schools, <u>Cotutelles</u>

Rank 4 Share of doctoral students among the 20 biggest universities in Germany

International Professors from 7.5 % in 2007 to 12 % in 2015

(national level: 7.6 % in 2013)

International research staff 18 % in 2015; (national: 10.3 % in 2013)







Internationality - Göttingen University

STATUS QUO: teaching

Incoming Students from 9.5 % in 2007 to 12.2 % in 2016

(national level: 10.2 % in 2014)

from 2,500 in 2007 to approx. 3,800 in 2016 Rank 9 among 20 biggest universities in GER

Outgoing Students 30 %

International Study Programs 83 1 BA, 30 MA, 52 PhD

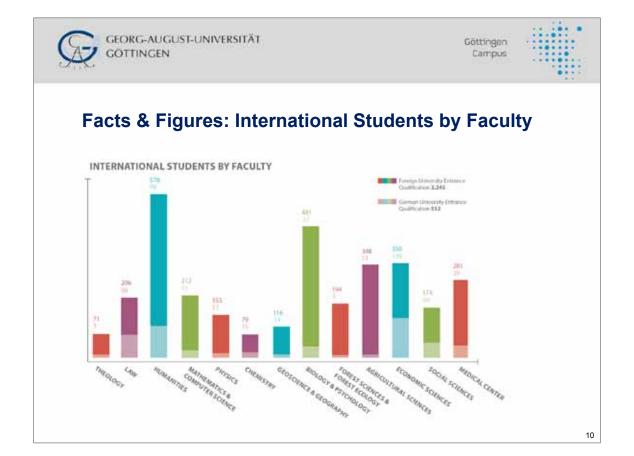
(out of 175) nationwide among top 5 universities in GER

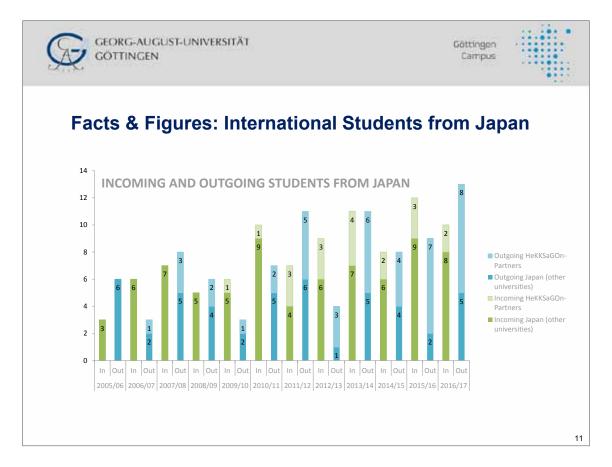
currently: building short-term programs

Projects Internationalization at Home:

Internationalization, Digitalization,

Diversification of Curricula











Internationalization of Curricula

Strategic inclusion of international and intercultural dimensions as well as the global perspective in all study programmes.

Inclusion in:

- Contents of the curricula
- Learning outcomes
- · Teaching and learning processes
- Support services

(according to Betty Leask 2015)

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Background and Objectives

Only 30 % of students absolve a study-related stay abroad – but all students should be prepared for working in an increasingly globally connected world

International competences

- Knowledge of foreign languages
- Expertise on different regions, cultures, economic / legal systems

Intercultural competences

- Be open-minded, respectful and compassionate towards different cultures
- Recognize and counteract racism and discrimination





Background and Objectives

Preparation for a globally connected job market

- Communication with international clients, partners, suppliers
- Integration of global topics into local practices
- · New forms of border-crossing collaborations

Enhanced integration of international students

 Enriched teaching by involving international students with their wealth of experience and knowledge

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Internationalization - Digitalization - Diversification

Internationalization of Curricula in combination with:

Digitalization

- · Builds a strong international network of teachers and students
- Opens access for study programmes to new perspectives, knowledge, research and teaching methods from different knowledge cultures
- Enhances virtual cooperation and motivates mobility

Diversification

High potential for constructive diversity management





Invitation to attend Staff Training Week in May 2017



- International Staff Training Week on "Internationalization of the Curricula" in May 2017 at University of Göttingen
- Presentation of project ideas and its implementation
- Discussion of joint initiatives (e.g. digital platform for virtual mobility)

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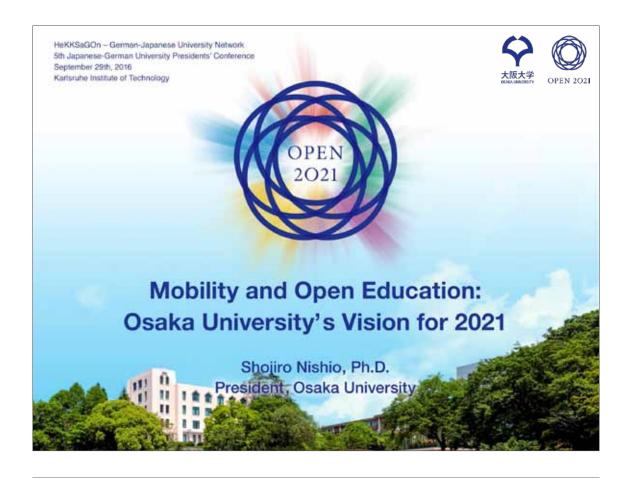


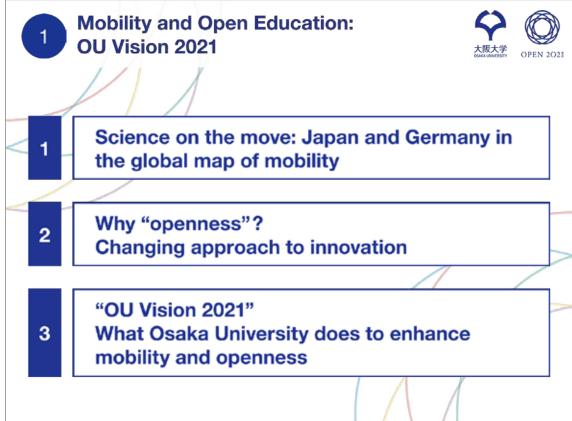
Welcome Guide for international students

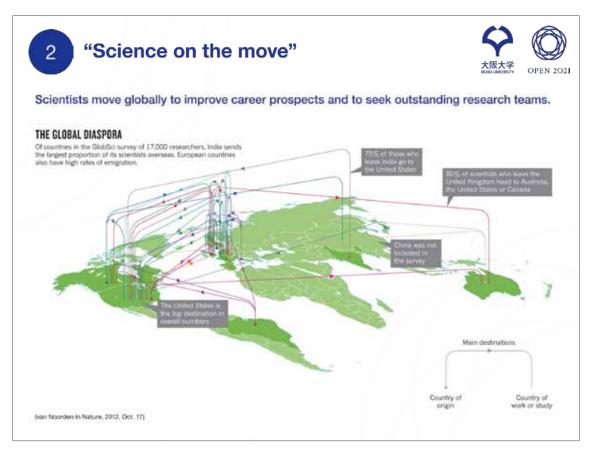


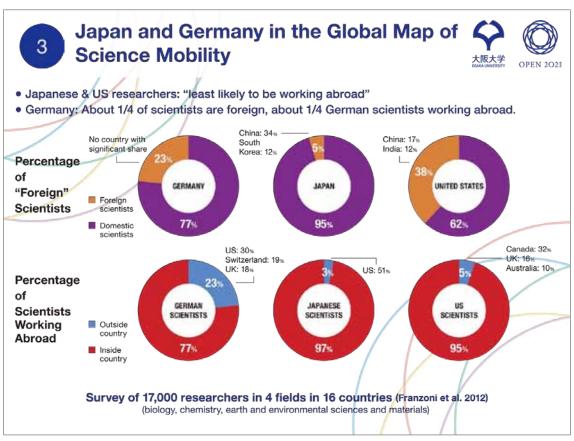
Courses taught in English for exchange students

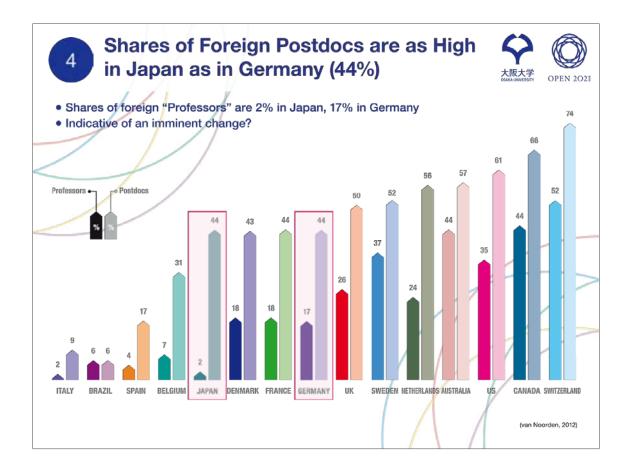












Why does mobility matter?:

"openness" to nurture creative competency in students



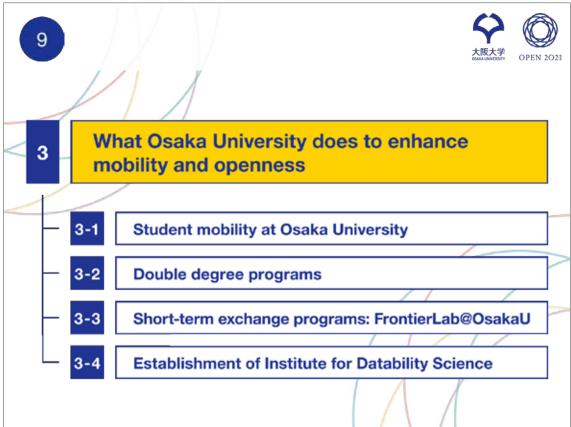


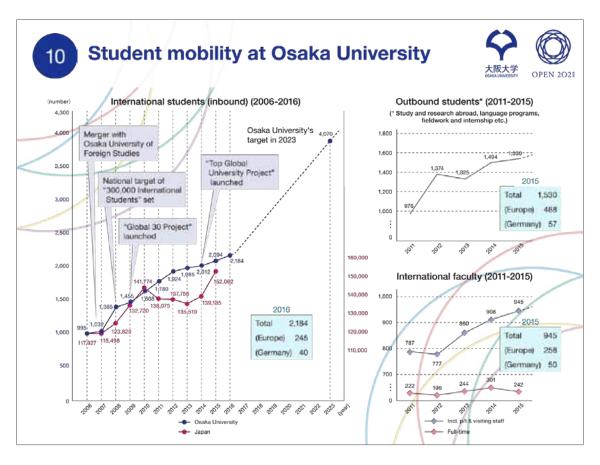
- Nurture capacity to acknowledge and learn from diversity.
- Develop intercultural awareness, interpersonal and communication skills to engage in international research and innovation settings.
- Ensure access to outstanding research teams, quality data, facility and opportunities.
- Improve employability
- ▶ ▶ Osaka University's OU Vision 2021

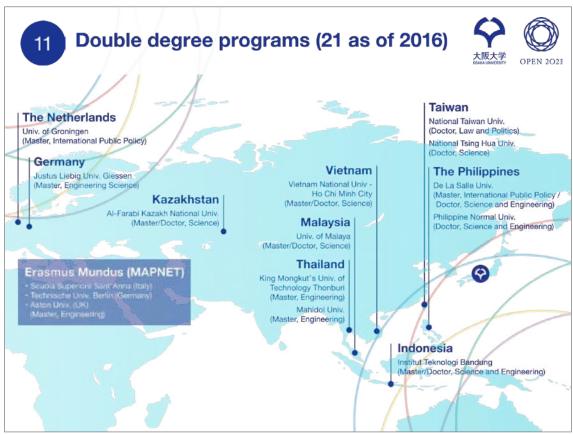














Short-term exchange programs: FrontierLab@OsakaU



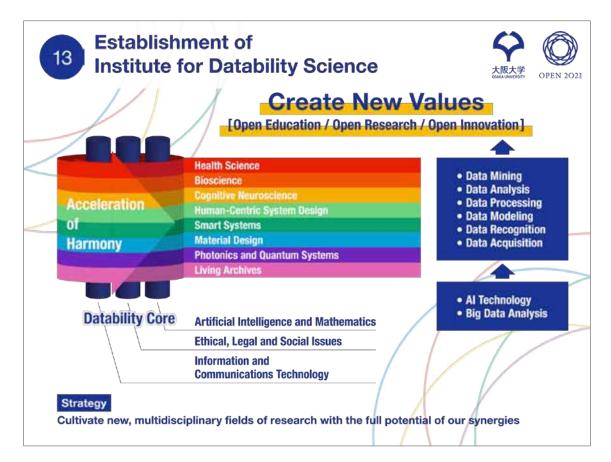


FrontierLab@OsakaU

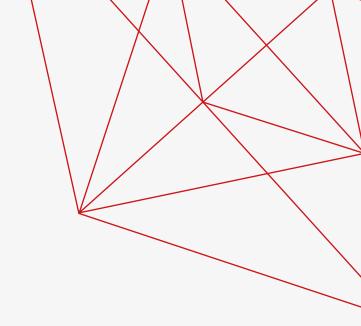
- A program to nurture creative competency in students
- Close supervision by internationally renowned scientists in science and technology
- Interactive and experiential learning

	Numbers of international students	Numbers of international students from German universities (HeKKSaGOn universities/ main sending universities)
2012	49	10 (RWTH Auchen, Technical University of Munich)
2013	52	### ##################################
2014	54	10 (FWTH Aachen, Augsburg University)
2015	74	15 (Heidelberg University, Göttingen University)
2016	60	12 (Ruhr University Bochum, Bonn-Cologne Graduate School of Physics and Astronomy)

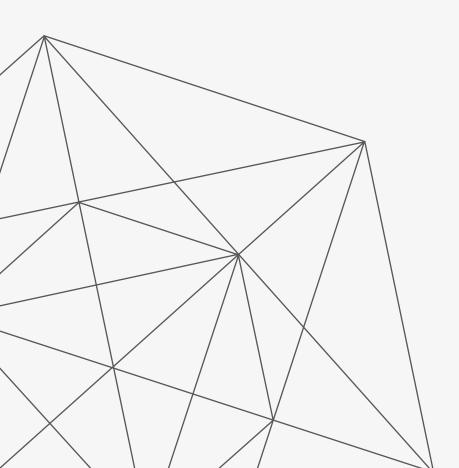








Curriculum Vitae of Guest Speakers



Wolfram Jäger

City of Karlsruhe First Mayor



Education/Career

1968 – 1972	Studies of Law at University of Freiburg
1968	A levels at Markgrafen-Gymnasium

Positions Held

Since	First Mayor of the City of Karlsruhe, responsible for cultural
October 2008	affairs, personnel and organisation, public safety and order,
	public services, urban development, civic involvement,
	and statistics and elections

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
1984 – 2008	City Councillor (2004 – 2008: Party Whip), City of Karlsruhe
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

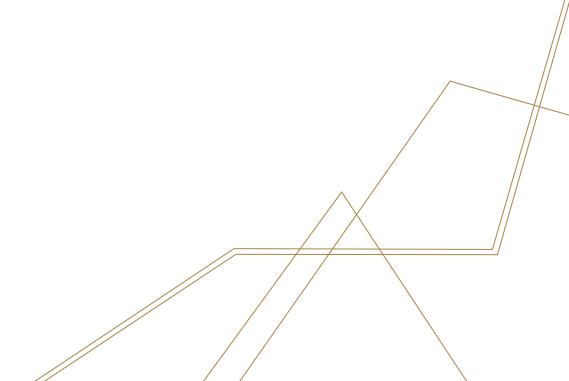
- Chairman of Volkshochschule Karlsruhe (adult education centre)
- Chairman of Centre Culturel Franco-Allemand
- Chairman of County Party Committee with focus transboundary cooperation in the Middle Upper Rhine Region
- Chairman of Personnel and Organisation Committee of the Association of Cities in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

Hidenao Yanagi

Consul General of Japan in Munich



Born 1958	
March 1982	Graduation from University of Tokyo (International Rela-
	tions, 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
1999 –	Honorary Fellow, Royal Astronomical Society, London, UK
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:

German Academic Head of Section ST43 "Research Fellowship Programmes",

2015 -

Exchange Service Head of Section 424 "Japan, Korea, Australia and

Oceania", 2014

(DAAD) Resident Director, Tokyo Office, Japan, 2009 – 2014

Head of Section 325 "Russia, Belarus", 2001 – 2009

Freiberg University Head, Director's Office, International University Center

"Alexander von Humboldt", 2000 – 2001 of Mining and

Technology (TU Berg- Head of Section, National and international research

akademie Freiberg) support /

European research programmes, 1999 – 2000

Head, International Office, 1995 - 1998

Assistant Professor, 1982 – 1995

Others: Coordinator, TEMPUS-TACIS Mobility project

"Joint Education in Natural Resource Management"

1998 - 2002

Secretary, Sub-Committee "Dictionary", International Gas Union, 1992 – 1997

Education:

Freiberg University Doctorate in Engineering (Chemical Engineering), 1989

of Mining and Technology

Moscow Institute of Master in Engineering (Automation of Metallurgical

Steel and Alloys, Processes, Specialization: Electrometallurgy), 1982

Moscow, Russia

Dr. Franziska Langer

Deutsche Forschungsgemeinschaft German Research Foundation

Programme Officer International Affairs



Education/Career

Feb 2008 – April 2012	Dissertation
	Eberhard Karls University Tübingen, Hertie Institut for
	Clinical Brain Research, Graduate School for Cellular and
	Molecular Neuroscience
Okt 2003 – Jan 2008	Studies in Biologie
	University Hohenheim, Stuttgart
Okt 2002 – Juli 2003	Studies in Chemistry
	Friedrich Schiller University Jena

Positions Held	
Jul 2014 – now	Programme Officer International Affairs
	Deutsche Forschungsgemeinschaft (DFG), Bonn
	International collaborations with partners in Asia,
	specifically India and Japan
Jul 2014 – Jan 2015	Programme Officer Scientific Affairs
	Life Sciences, Neurosciences
	Deutsche Forschungsgemeinschaft (DFG), Bonn
Jul 2012 – May 2014	Trainee in Science Management
	Deutsche Forschungsgemeinschaft (DFG),
	Overseas Office New York

Awards, Decorations, and Memberships

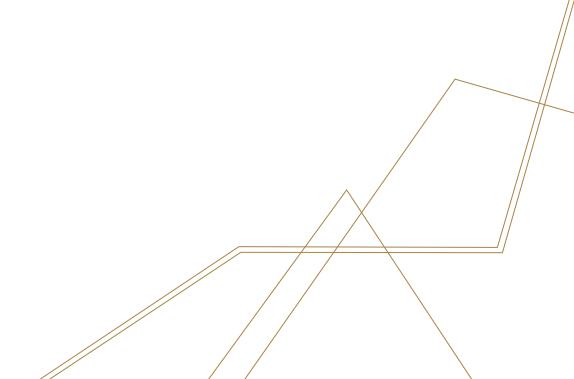
Juli 2012 Hertie Stiftung, Paper of the Year Award



Publications

- Novotny R*, Langer F*, Mahler J, Skodras A, Vlachos A, Wegenast-Braun BM, Kaeser SA, Neher JJ, Eisele YS, Pietrowski MJ, Niisson KP, Deller T, Staufenbiel M, Heimrich B, Jucker M. Conversion of Synthetic A to In Vivo Active Seeds and Amyloid Plaque Formation in a Hippocampal Slice Culture Model. J Neurosci. 36(18):5084-93. 2016
- Fritschi SK*, Langer F*, Kaeser SA, Maia LF, Portelius E, Pinotsi D, Kaminski CF, Winkler DT, Maetzler W, Keyvani K, Spitzer P, Wiltfang J, Kaminski Schierle GS, Zetterberg H, Staufenbiel M, Jucker M. Highly potent soluble amyloid- seeds in human Alzheimer brain but not cerebrospinal fluid. Brain 2014 Nov;137 (Pt 11):2909-15.
- Heilbronner G, Eisele YS, Langer F, Kaeser SA, Novotny R, Nagarathinam A, Aslund A, Hammarstroem P, Nilsson KPR, Jucker M. Seeded strain-like transmission of beta-amyloid morphotypes in APP transgeneic mice. Embo Reports 14(11):1017-1022. 2013
- Langer F, Eisele YS, Fritschi SK, Jucker M. Soluble Abeta Seeds Are Potent Inducers of Cerebral Beta-Amyloid Deposition. J Neurosci. 31(41):14488-14495.
 2011.
- Eisele YS, Bolmont T, Heikenwalder M, Langer F, Jacobson LH, Yan Z-X, Roth K, Aguzzi A.,
 Staufenbiel M, Walker LC, Jucker M. Induction of Cerebral Beta-Amyloidosis: Intracerebral versus Systemic Abeta Inoculation. Proc Natl Acad Sci USA 106:

12926-12931, 2009



Franz Christopher Kränzler

lengoo GmbH Co-Founder & CEO



Education

New York, NY Columbia University: SEAS in conjunction with Sep 2014 – Dec 2015 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):

Oct 2008 – Jun 2012 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 University of California, San Diego

- Sep 2010 Jun 2011 ◆ Study abroad year, GPA: 4.00/4.00
 - Coursework: Economics, Computer Science, and Electrical Engineering

Professional Experience

Karlsruhe, Germany lengoo GmbH (Marketplace for expert document Mar 2012 - present 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

Next page

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 Sep 2014 – May 2015 **S&P Capital IQ: Part-Time Consultant supervised** by Professor Dr. Soulaymane Kachan

 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 Sep 2014 – May 2015 FreshDirect, LLC: Part-Time Consultant supervised by Professor Dr. Soulaymane Kachani

 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

Languages

Computer 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

Proceedings of the Institution of Mechanical Engineers, Part P: Journal of Sports Engineering and Technology 2013 0 (2013), p. 1754337113509797v1

lengoo GmbH



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.

Contact:

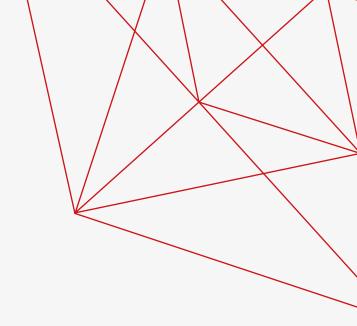
christopher.kraenzler@lengoo.de

Website:

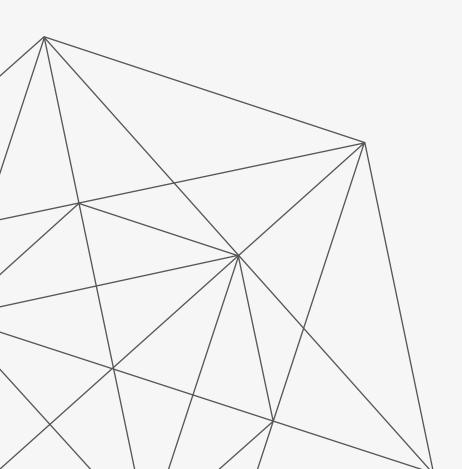
www.lengoo.de

Twitter:

@LengooTweets



Overview on funding schemes for Japanese-German Cooperation Projects





Japan Society for the Promotion of Science (JSPS)



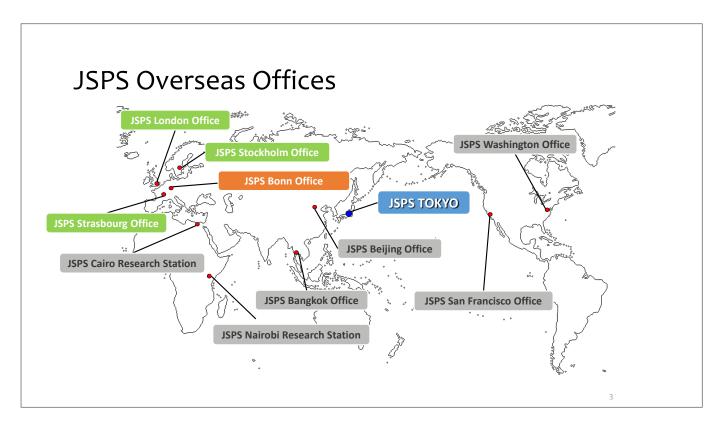
日本学術振興会(JSPS)

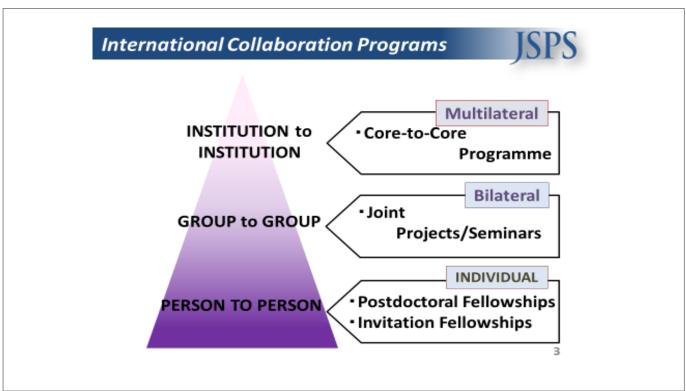
- Established in 1932
- Independent Administrative Institution under the jurisdiction of MEXT, with the following functions

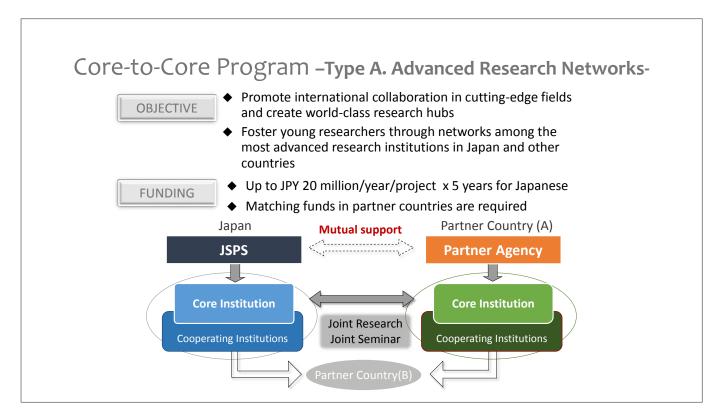


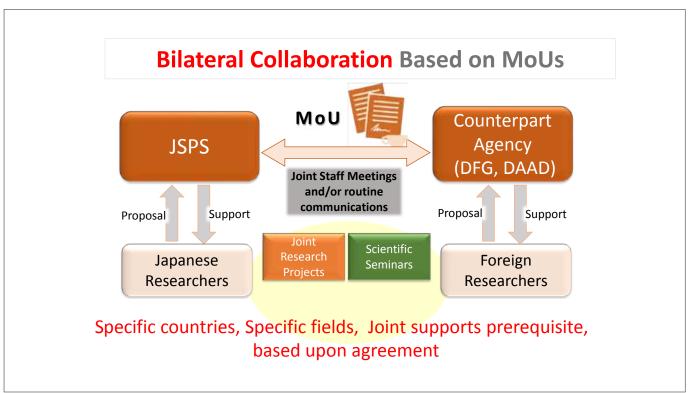
Major Functions

- L.Provide funding support for research initiatives
- 2. Fosters researchers of the next generation
- 3. Supports international collaborations
- 4. Advances university reform









Bilateral Joint Research Project

The aim of this program is to intensify the cooperation between Japanese and German research groups, who have a joint research project. The focus is set on the advanced training and specialisation of young academics.

Prerequisite	Target	Support
 Application can be made only through institutions. Japanese partner institution should make application in Japan. 	Researchers, Professors Pre- and Post-docs Postgraduates (min. Bachelor / Master degree)	•15,000 Euro per year/project



Submission
Through DAAD

Submission September

Bilateral Joint Seminars

DFG and JSPS agree to jointly support research collaboration between Germany and Japan and provide funding for holding joint seminars. For details, please refer to the DFG website.

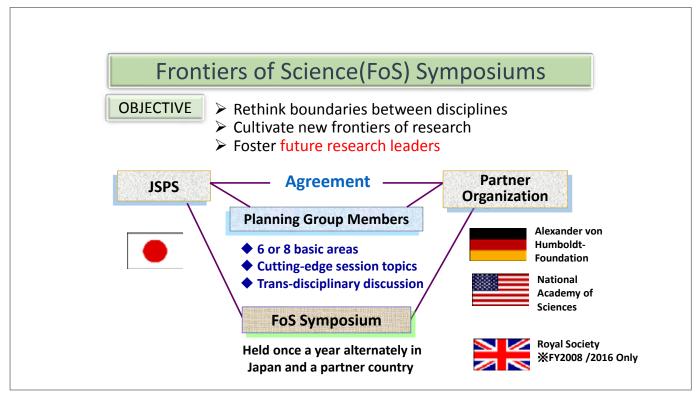
http://dfg.de/dfg_profil/im_internationalen_kontext/internationale_partner/Japan/index.html











JSPS Fellowship Programs for Research in Japan



Summer Program



Eligibility	Period	Support*
 A citizen of US, UK, France, Germany, Canada or Sweden Master student, Ph.D. candidate, or Ph.D. (within past 6 years) 	June to August, 2017	 Round-trip airfare Maintenance Allowances (534,000 Yen) Overseas travel Insurance Research support allowance at the host Institution (158,500 Yen)

* Subject to change

Submission
-Through DAAD

Submission Deadline
January 15, 2017

Postdoctoral Fellowship (Short-term) for North American and European Researchers

Eligibility	Period	Support* * Subject to change
 US, Canada, EU Countries, Switzerland, Norway and Russia Ph.D. (within past 6 years) or Ph.D. candidate (scheduled to receive within 2 years) 	1 to 12 months	• Roundtrip air ticket • Monthly allowance (¥362,000/€2,943 for PhD; ¥200,000/€1,626 for pre—PhD) • Settling-in allowance of ¥200,000/€1,626 (for more than 4 months stay) • Research support allowance up to ¥70,000/month • Overseas travel insurance coverage





Submission

- •Through DAAD (PhD candidates and Postdoc for less than 6 months' stay) and
- Through AvH (Postdoc for more than 6 months' stay)
- Japanese host submits applications to JSPS (Tokyo)

Submission to Japan	Starting*
October 2016	Apr. 2017 – Mar. 2018
January 2017	July. 2016 – Mar. 2018
April 2017	Oct. 2016– Mar. 2018
June 2017	Jan. 2017-Mar. 2018

Postdoctoral Fellowship (Standard)

Eligibility	Period	Support* * Subject to change
• All countries* • Ph.D. (within past 6 years) *countries that have diplomatic relations with Japan	12 to 24 months	•Roundtrip air ticket •Monthly allowance (¥362,000/€2,943) •Settling-in allowance of ¥200,000/€1,626 •Research support allowance (up to ¥1,500,000/year ≈ €12,195/year) to cover cooperative research expenses •Overseas travel insurance coverage

Submission

- •Through AvH or
- Japanese host submits applications to JSPS (Tokyo)

Submission to HQ	Starting date	Number of Awarded
August 2016	April-September 2017	125 person
April 2017	September-November 2017	125 person



- Family allowances for marital partners and children
- reintegration allowance for attending job interviews, etc.
- a return fellowship for a maximum of twelve months immediately following the research stay abroad
- alumni sponsorship

Invitation Fellowship Program (Long-term)

Eligibility	Period	Support
 All countries* Assistant & Associate professors, and Professors Ph.D. more than 6 years 	2 to 10 months	 Roundtrip air ticket Monthly maintenance allowance (¥387,000 ≈ €3,146) Research support allowance of up to ¥150,000 €1,219 Overseas travel insurance coverage

^{*}countries that have diplomatic relations with Japan

Submission

-Japanese host submits applications to JSPS (Tokyo) only

Submission	Starting Date	Number
August	April 1- March 31 of the following year	60 person

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Invitation Fellowship Program (Short-term)

Eligibility	Period	Support
 All countries* Researchers in a position equivalent to a professor or associate professor in Japan 	14 to 60 days	•Roundtrip air ticket •Daily allowance (¥18,000 ≈ €146) •Research Support Allowance (up to ¥150,000 ≈ €1,184) •Overseas travel insurance coverage
*countries that have diplomatic relati	ons with Japan	

Submission

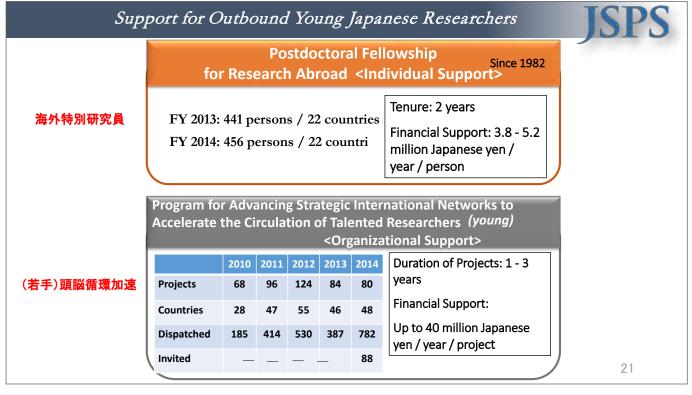
•Through DAAD for 2017 or after 2018



Japanese host submits applications to JSPS (Tokyo) only

Submission	Starting Date	Number
August 2016	April 1, 2017 – March 31, 2018	100 person
April 2017	October 1, 2017 – March 31, 2018	80 person









The German Academic Exchange Service (DAAD) is ...

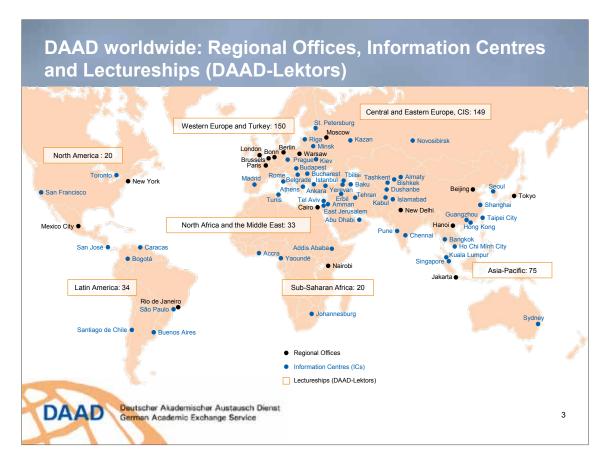
A self-governing organisation of German universities:

- 239 member universities
- 121 student unions

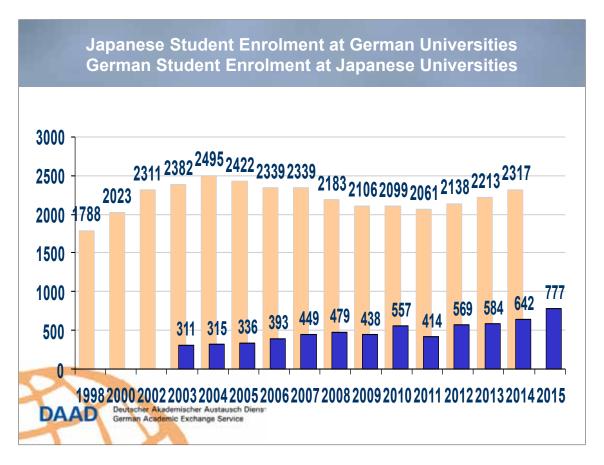


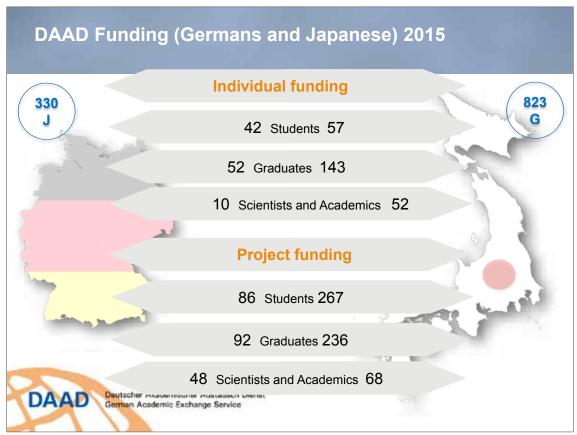
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DAAD Funding for Cooperation Projects

Partnerships with Japan and Korea (PaJaKo):

To strengthen existing partnerships and initiate new bilateral or trilateral partnerships between DAAD District Academia Carchange Service Germany, Korea and Japan through funding the exchange of individuals and groups (since 2006)

Matching Funds Program with the University of Tsukuba (since 2012)



Matching Funds Program with the Waseda University (since 2013/14)

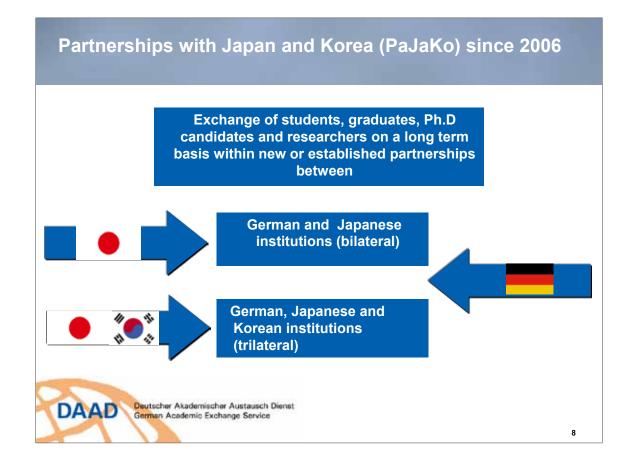


DAAD-JSPS Joint Research Program: To intensify research collaboration between Japanese and German research groups





Deutscher Akademischer Austausch Dienst German Academic Exchange Service



Partnerships with Japan and Korea (PaJaKo)

Objectives

- To foster long-term co-operation between institutions of higher education through funding the exchange of individuals and groups.
- To strengthen existing partnerschips and initiate new bilateral or trilateral partnerships between Germany, Korea and Japan.

Funding measures

Various measures for foreign and German participants can be combined, e.g.:

- Joint research conducted by groups of researchers (including early career researchers and junior scholars)
- Individual stays for research and education purposes

Fundina

- Funding period up to 2 years, extension possible (flexible time frame up to one year for individuals)
- Mobility costs: travel and living allowances up to a maximum of 30,000 € (bilateral) and 50,000 € (trilateral)

DAAD

Deutscher Akademischer Austausch Dienst German Academic Exchange Service

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Matching Funds Programmes with the University of Tsukuba and the Waseda University

- Matching Funds Programme with the University of Tsukuba: Consolidation of existing cooperations and initiation of new cooperations between the University of Tsukuba and German universities
- Funding for the mobility between the partner institutions for study and research stays.
 (DAAD mobility costs of German participants; U Tsukuba mobility costs of Japanese participants)
- **Target group**: Scientists, faculty, postdocs, PhD students and graduate/undergraduate students after completion of their 2nd year of studies. The focus is on funding young scientists.
- Matching Funds Programme with the Waseda University: Consolidation of existing cooperations and initiation of new cooperations within the framework of existing partnerships or on the basis of MoUs
- **Funding** for the mobility and stays at the partner institutions, for study and research stays. (DAAD costs of German participants; Waseda U costs of Japanese participants)

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DAAD-JSPS Joint Research Program A bilateral research programme



Deutscher Akademischer Austausch Dienst German Academic Exchange Service





The MoU between the DAAD and the JSPS was signed in 2012

Aims of the programme:

- Intensifying research collaboration between Japanese and German research groups
- Promotion of mobility
- Training and Specialisation of young academics

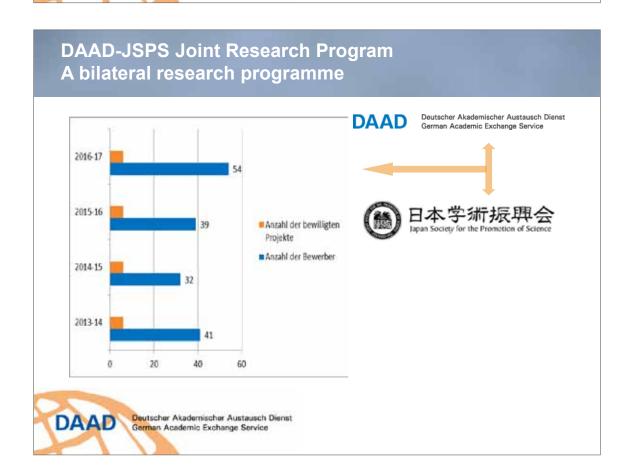
■ Target groups:

Academic staff member, graduates, PhD students, postdocs

■ Programme information:

- 6 joint projects (10 from 2017)
- · Subject Area: all fields
- Duration: up to 2 years
- Amount of Funding: up to 15,000 Euros per project per year (DAAD) and up to 2,500,000 JPY per fiscal year (JSPS)

DAAD Deutscher Akademischer Austausch Dienst German Academic Exchange Service



Partnerships with Japan and Korea (PaJaKo), 2016 DAAD-JSPS Joint Research Program, 2016/17

	Partnerships with Japan and Korea	a (PaJaKo) 2016	
German University	Japanese University	Subject	
Universität Erlangen-Nürnberg	Nagoya Institute of Technology (NITECH)	Engineering	
Hochschule für Musik Würzburg	Hokkaido University of Education	Music	
Universität Oldenburg	Kagoshima University	Science Didactics	
Technische Universität Dresden Trilateral	Seoul National University, Korea Kansai University, Japan	Maths Exchange with Japan and Korea	
Universität Leipzig	Keio University	Economics	
Universität Trier	Kobe University, Waseda University	Germany, Japan and Russia	
Kath. Universität Eichstätt-Ingolstadt	Nagasaki Junshin Catholic University	Primary Education	
Katholische Hochschule Freiburg	Mie University	Inclusion in Education and Health	
Hochschule für Forstwirtschaft, Rottenburg	Kagoshima University	Pathways to Sustainable Forest Managemen	
	DAAD-JSPS Joint Research Pro	⊔ gram, 2016/17	
German University	Japanese University	Subject	
Max Planck Institute for Private Law, Hamburg	Kyoto University	Law	
Laser Center Hannover	Keio University	Science and Engineering	
Max Planck Institute for Extraterrestrial Physics, Garching	Nat. Astronomical Observatory of Japan	Physics	
Geisteswissenschaftliche Zentren Berlin	Osaka University	Linguistics	
DESY Hamburg	The University of Tokyo	Physics	
Kassel University	Tokyo University of Agriculture and Technology	Physics	

DAAD Thematic Networks

- Karlsruhe Institute of Technology Waseda University and Nara Institute of Science and Technology, "CLICS – Continuous Learning in International Collaborative Studies", 2015-2018
- ➤ Universität Bielefeld Osaka University, Interactive Intelligent Systems, 2015-2018
- ➤ Universität Mainz Tohoku University, "SpinNet", 2013-2016
- ➤ Universität Bonn Japan Advanced Institute of Science and Technology, 2015-2018
- ➤ Hochschule Trier Ritsumeikan Asia Pacific University, "IMAT Network University", 2015-2018

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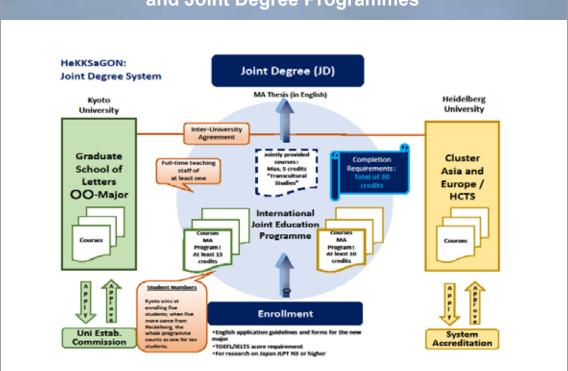
International Study and Training Partnerships (ISAP) and Joint Degree Programmes

- ➤ Kyoto University Universität Heidelberg, Cluster "Asia and Europe"
- > Osaka University Universität Heidelberg, Japan Studies
- ➤ Tohoku University Universität Paderborn, Economics
- ➤ Okayama University Technische Universität Dresden, Envir. Sciences
- ➤ Keio University Tokyo Universität Halle-Wittenberg, Japan Studies
- ➤ Hiroshima City University Hochschule Hannover, Design
- ➤ Hitotsubashi University Universität Köln, Business Administration
- Oita University Universität Paderborn, Economics



DAAD Deutscher Akademischer Austausch Dienst German Academic Exchange Service

International Study and Training Partnerships (ISAP) and Joint Degree Programmes



Individual DAAD grants for Japanese students and young researchers

- German Language Summer / Winter Courses in Germany for Foreign Students and Graduates
- Intensive Language Courses in Germany for Foreign Students and Graduates
- Study Scholarships for Graduates of all disciplines
- Research Grants
 - Doctoral Programmes in Germany
 - Bi-nationally Supervised Doctoral Degrees
 - One-year grants
 - Short-term grants



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Major individual DAAD grants for Germans



- ✓ Annual and short grants (for studies, research or PhD)
- ✓ Language and practice in Japan
- ✓ Postdoc program
- ✓ Postdoc fellowships for research stays at the National Institute of Informatics (NII)
- Partnerships with Japan and Korea



Individual grants for Germans from Japanese Institutions



- JSPS Invitation Program (for German Scientists)
- JSPS Summer Program for young graduates and PhD students
- JSPS Postdoctoral Fellowship Programme (Short Term)
- DAAD-JSPS Joint Research Program





 JAPANESE GOVERNMENT (MONBUKAGAKUSHO:MEXT) SCHOLARSHIP FOR RESEARCH STUDENTS



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どうもありがとうございました。

Dr. Holger Finken Head of Section ST43 "Research Fellowship **Programmes**"

Speaker, DAAD Japan Programmes +49 - 228-882-334, finken@daad.de

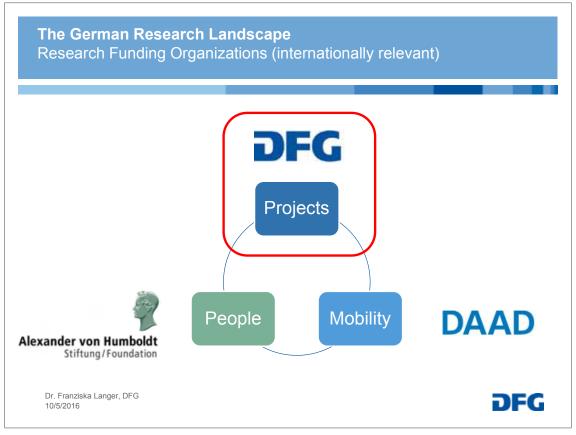
Deutscher Akademischer Austauschdienst (DAAD) German Academic Exchange Service Kennedyallee 50 53175 Bonn



DAAD Deutscher Akademischer Austausch Dienst German Academic Exchange Service

www.daad.de





The DFG – About Us Our organization

The DFG is the largest **independent** research funding organization in Germany.

It is an association under German private law.

sciences and humanities, and scientific associations.

Its **member organizations** include German universities, non-university research institutions, academies of

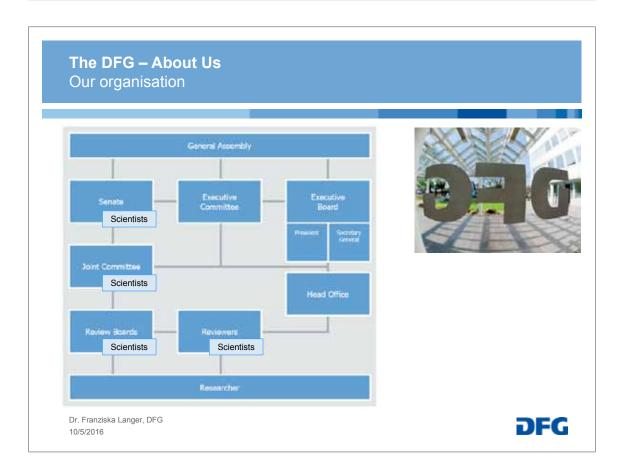
It serves all branches of science and the humanities by

funding research projects and

facilitating cooperation among researchers.

Dr. Franziska Langer, DFG 10/5/2016





Introducing the DFG

The DFG is funded by

- German federal government (67,4%)
- German states (32.5%)
- Private sources (0.1%)*

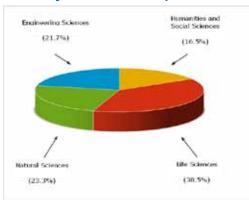
The DFG's 2014 budget totalled approx. € 2.86 billion.

Project funding by DFG goes

- 90% to universities
- 10% to extra-university institutions

Dr. Franziska Langer, DFG 10/5/2016

Funding in 2014, by scientific disciplines



* Figures refer to revenues in 2014



Introducing the DFG Funding principles

▶ Research topic: open, bottom-up

▶ Type of research: basic research in any field

of science and the humanities

► Deadlines: none*

Dr. Franziska Langer, DFG 10/5/2016



^{*} Exceptions: Priority Programmes, international activities, workshops for early career investigators

The DFGSelection criteria

The main selection criteria include

- Applicants' <u>scientific qualifications</u>
- <u>Project quality</u> (originality, expected knowledge gain, etc.)
- Research objectives and work programme
- Feasibility of the proposal with regard to funding and staffing resources
- Host selection and scientific environment

Dr. Franziska Langer, DFG 10/5/2016



DFG's Funding Programmes for International Cooperation

The DFG fosters international cooperation in **all funding programmes** through:

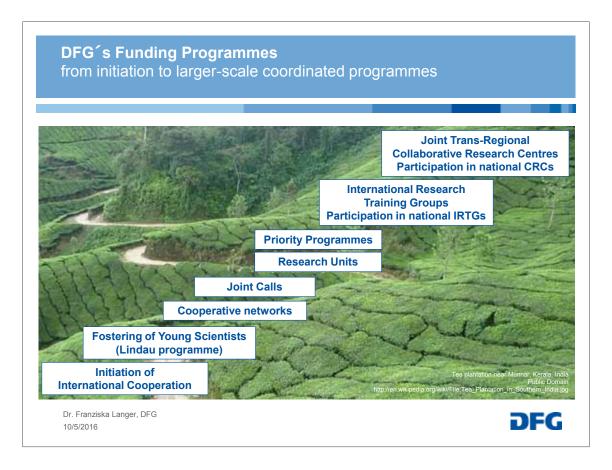
- initial funding for bilateral cooperation
- fellowships abroad for postdoctoral researchers
- joint calls for proposals with partner organisations
- International Research Training Groups
- international scientific events
- Mercator Programme

International modules, such as additional travel expenses, personnel exchanges, etc., may be applied for in all DFG funding programmes.

Dr. Franziska Langer, DFG 10/5/2016









DFG's Funding Programmes for International CooperationFunding for the Initiation of International Collaboration

This programme

- enables initial contacts and enhances cooperation with foreign partners
- offers a flexible framework for cooperation, allowing different elements to be combined (preparatory and cooperative visits, bilateral events such as workshops, etc.)



Different elements within the above framework can be funded over a period of one year

→ JSPS-DFG Joint Seminars

Dr. Franziska Langer, DFG 10/5/2016

DFG

DFG's Funding Programmes for International CooperationResearch Grants

- This programme enables scientists to carry out a thematically defined research project within a specific time frame
- Eligible are researchers from all disciplines at German research institutions who have completed their scientific training
- Applicants can combine different funding modules they need to complete their research



- There is no quota for cooperation with certain countries
- There are no special funds for proposals for international cooperation

Dr. Franziska Langer, DFG 10/5/2016

DFG

DFG's Funding Programmes for International CooperationInternational Research Training Groups (IRTGs)

International Research Training Groups provide a joint framework for

- international promotion of young researchers at centres of scientific excellence
- coordinated research and qualification programmes
- Mentoring



The proposal is submitted *jointly* to the DFG or a foreign partner organization by a group of researchers at a German university and a partner group at a foreign university

→The Japanese-German Graduate Externship

Dr. Franziska Langer, DFG 10/5/2016

DFG

DFG's Funding Programmes for International Cooperation International Research Training Groups (IRTGs)

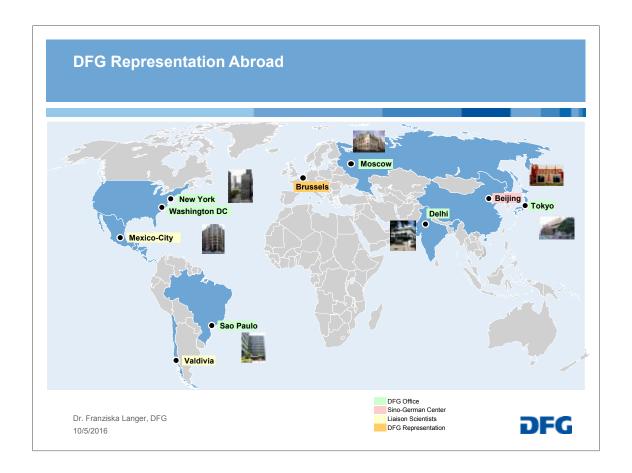
The Japanese-German Graduate Externship – currently funded

- Transformation of Civil Society: Japan and Germany in Comparison (Universität Halle and University of Tokyo, since 2007)
- Mathematical Fluid Dynamics (Waseda University and TU Darmstadt, since 2009)
- Selectivity in Chemo- and Biocatalysis (Osaka University and RWTH Aachen, since 2010).
- Deep Earth Volatile Cycles (Tohoku University and Universität Bayreuth, since 2016)



Dr. Franziska Langer, DFG 10/5/2016

DFG



DFG Representation Abroad

What we do in our Representations abroad:

- Informing the scientific community
 - ightharpoonup funding possibilities for bilateral collaboration
- Organizing scientific meetings
- Creating framework conditions
 - \Rightarrow leading to a sustainable impact on joint research projects between German and international researchers



- → create opportunities for bilateral research
- Creating and attending platforms for the definition of funding policies
 - $\mbox{\Large \Rightarrow}$ science-driven cooperation between German / European and Japanese funding bodies

Dr. Franziska Langer, DFG 10/5/2016







Get in Contact with German Researchers Online databases to find research projects and scientists in Germany

Research Explorer

(interactive map of German research landscape) www.dfg.de/research_explorer/



Dr. Franziska Langer, DFG 10/5/2016

GEPRIS

(online database on current DFG-funded projects) www.dfg.de/**gepris**/



DFG

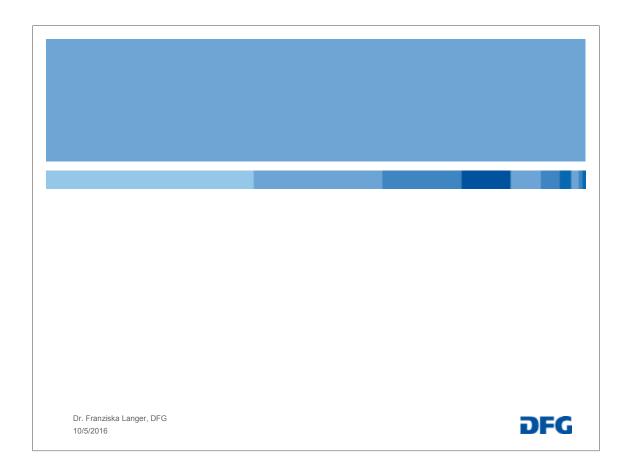


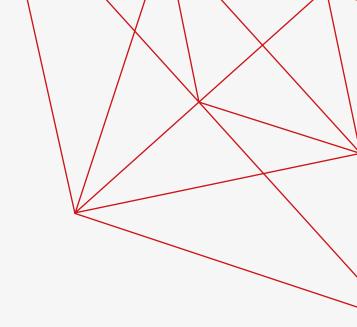
For further information

- www.dfg.de
- www.dfg.de/japan
- Dr. Franziska Langer
- franziska.langer@dfg.de

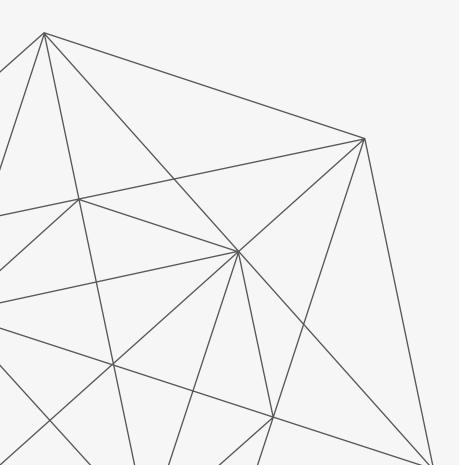
Dr. Franziska Langer, DFG 10/5/2016

DFG





Working Group Meetings



Work Group Meeting I Life and Natural Science Fusion

Chair: Prof. Dr. Martin Bastmeyer (KIT)

Co-Chair: Motomu Tanaka (Univ. Heidelberg, Kyoto Univ.)

Program

Friday 30th September 2016, 9:00 - 12:00

09:00 – 09:15	Prof. Dr. Tatsuo Arai, Micro-Robotics (Osaka Univ.)
09:15 - 09:30	Prof. Dr. Christof Wöll, Surface Science (KIT)
09:30 - 09:45	Prof. Dr. Motomu Tanaka, Physical Chemistry (Heidelberg & Kyoto Univ.)

- 09:45 10:00 Prof. Dr. Anthony D. Ho, Hematology (Heidelberg Univ.)
- 10:00 10:15 Prof. Dr. Tatsuaki Tsuruyama, Pathology (Kyoto Univ.)
- 10:15 10:30 coffee break
- 10:30 10:45 Prof. Dr. Jonathan Sleeman, Pathobiology (Heidelberg Univ.)
- 10:45 11:00 Prof. Dr. Ute Schepers, Chemical Biology (KIT)
- 11:00 11:15 Prof. Dr. Martin Bastmeyer, Cell- and Neurobiology (KIT)
- 11:15 11:30 Prof. Dr. Kazumasa Ohashi, Cell Biology (Tohoku Univ.)
- 11:30 12:00 Final discussion on future developments of working group I:
 - Scientific collaborations via short-term exchange of doctoral researchers and postdocs
 - Next summer school
 - Possible resources for funding (DAAD, private foundations, center programs)

5th HeKKSaGOn Work Group I "Life and Natural Science Fusion" Work Group Report Sept. 30, 2016, Karlsruhe

Chair: Martin Bastmeyer (KIT)

Co-Chair: Motomu Tanaka (Heidelberg/Kyoto)

The First Contact (July 2010, Heidelberg)



Symposium "Life Sciences Meet Natural Sciences"

July 30, 2010 Heidelberg (Germany) Coordinators: M. Tanaka (Heidelberg), N. Nakatsuji (Kyoto





Venue 1: Lecture Hall / Chemistry (INF252)

8:30 Registration, Poster Set-up

9:00 Welcome: Motomu Tanaka (Heidelberg)

Topic 1: Stem Cell Biology and Development

Speakers

A. Ho, T. Holstein (HD)

T. Ohta, N. Nakatsuji (Kyoto)

M. Bastmeyer, D. Wedlich (KIT)

C. Schmidt (GÖ), A. Ishijima (Tohoku)









Since 2010

- (1) **3 Summer/Winter Schools** (2012 (HD), 2014 (KIT), 2015 (Kyoto)
- (2) 7 Scientific Symposia (held in Japan and Germany)
- (3) 2 HeKKSaGOn Professors

2013: Motomu Tanaka (HD - Kyoto)

2014: Kenichi Yoshikawa (Kyoto – HD)

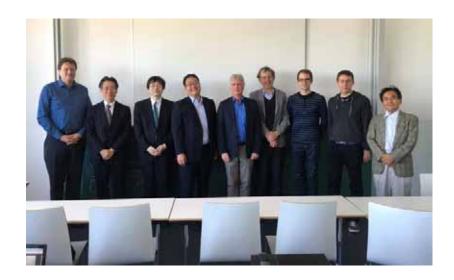
(4) Numerous bi-trilateral Cooperations

Our Tradition: Hold a Scientific Meeting on Day 1



In Sendai: Hosted by Masaaki Sato (FRIS, Tohoku)

Our Tradition: Hold a Scientific Meeting on Day 1



In Karlsruhe: Hosted by Martin Bastmeyer (Inst. Zool., KIT)

Extremely Multilateral/Multidisciplinary

B. Richter (Phys/KIT)



Hosts: Motomu Tanaka (iCeMS, Kyoto) Host: T. Holstein (Bio/HD) & Akira Harada (Chem, Osaka)

R. Suzuki (Phys/Kyoto)









T. Ichikawa (Bio/Kyoto)



Host: U. Engel (NIC/HD)

T. Michitaka(Chem/Osaka)



Host: C. Banner-Kowolik (Chem/KIT)

Scientific Collaboration

- -bi- and trilateral collaborations: we are already excellent (supported by our own funding)
- -short term exchange of Doctoral researchers (1-3 month)
- support by DAAD and private foundations
- support by center programs:
 Germany:
 BIFTM, KIT-Fellowships (KHYS)
 CRCs in Göttingen, Heidelberg, Karlsruhe
 HeKKsaGOn-Fellowships, Graduate Academy

Japan:

Priority Programs (Shingakujutsu) Center Projects

Student Exchange and Education

Winter/Summer Schools (we will definitely keep!)

External Funding by combined efforts with International Offices

Exchange of MSc (and PhD students)

- 4-6 weeks course (CPs?)
- semester-level (undergraduate via DAAD)
- MSc ERASMUS+: multilateral (1-2 years)

PhD programs between Germany and Japan

- IRTG
- ITN
- GRK



Work Group Meeting II Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology

Chair and Co-Chair: Markus Enders (Heidelberg University),

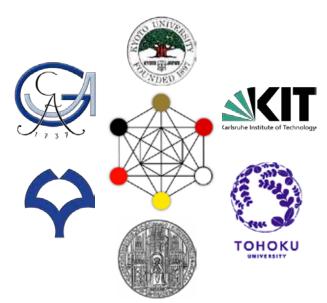
Masahiro Yamashita (Tohoku University)

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)

Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology



- Heidelberg University:

Markus Enders

Peter Comba

- University of Göttingen:

Franc Meyer Sven Schneider

Guido Clever (now at Dortmund)

- Karlsruhe Institute of Technology:

Marion Ruben

Annie Powell

- Tohoku University:

Masahiro Yamashita

Hitoshi Miyasaka

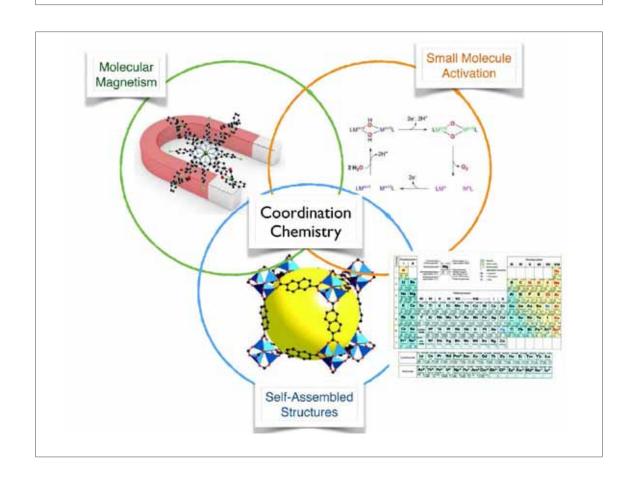
- Osaka University:

Shinobu Itoh

Shunichi Fukuzumi (now at Nagoya)

- Kyoto University:

Hiroshi Kitagawa



Workshop II: Friday 30th September 2016, 9:00 - 12:00

Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology

KIT, Department of Mathematics, Building 20.30, Englerstraße 2, Room 0.016, Ground floor Chairs: Markus Enders (Heidelberg) and Masahiro Yamashita (Tohoku)

9:00	Introduction (M.E.)] MOF	
9:10	Hiroshi Kitagawa (Kyoto) Electrically Conductive MOFs		
9:40	Annie Powell (KIT) Insights into relaxation processes in molecular magnets		
10:10	Mario Ruben (KIT) Single Molecule Magnets by CO ₂ Activation		
10:40	Masahiro Yamashita (Tohoku): Giant- and Tunnelling-Magnetoresistance Based on Single-Molecule Magnets		S
11:10	Markus Enders (Heidelberg): Solution NMR Studies of Single Molecule Magnets		
	(Talk of Sven Schneider, Göttingen, cancelle	d)	

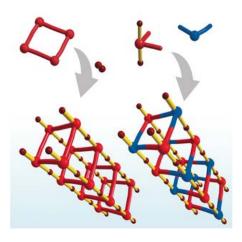
Final discussion, outcome, future activities

SMM

Metal Organic Frameworks (MOF)

- Materials with very specific properties
- Many possible applications

11:40



Single Molecule Magnets (SMMs)

 ideal objects for getting fundamental knowledge about magnetism and several quantum phenomena

Possible Applications in:

- High density storage devices
- Spintronics
- Quantum Computers

<u>other scientists at HeKKSaGOn</u> <u>Universities:</u>

Karlsruhe:

W. Wernsdorfer (Humboldt Prof. since 2016)

Osaka

Several groups working on SMMs

Heidelberg:

R. Klingeler (Physics)

Coordination Chemistry for Energy Conversion, Catalysis and Nanotechnology

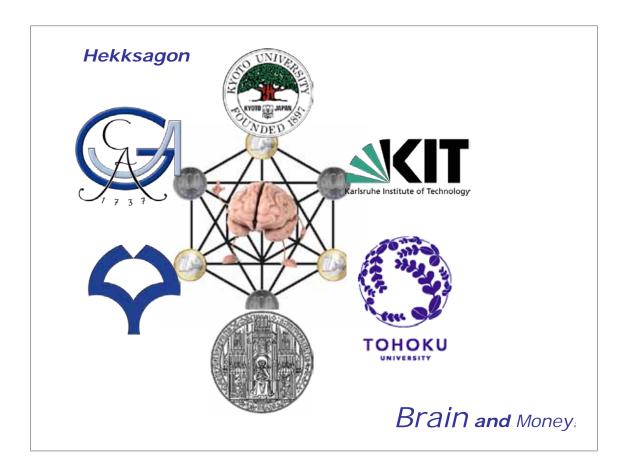
what we have already achieved:

- successful bilateral cooperations (german-japanese)
- exchange of Master/PhD-students (e.g. ICI-ECP)
- large overlap in research interest
- common and complementary competences several co-authored papers

(6 published, ~ 6 in the next 12 months

what we want to do in the future:

- include other people into our cooperation
- more common publications
- a workshop with more time for science (e.g. in Osaka 2018)



Work Group Meeting III Social Sciences and Humanities

Chair: Prof. Dr. Harald Fuess, 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 sociodeterminisms, 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 Fuess, 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

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.

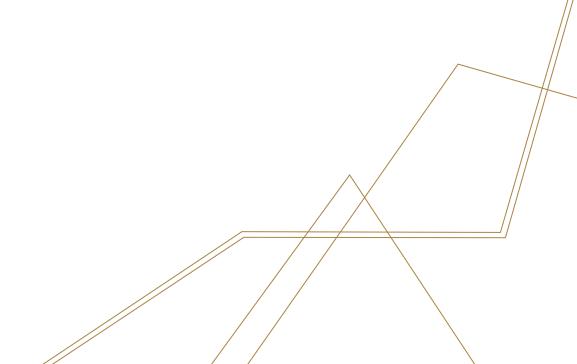
The image of a painter standing in front of an easel evokes an image of the painter standing in front of a mirror. Rembrandt's pupil Samuel van Hoogstraten conveyed his teacher's famous comment, "the same benefit can be derived from the depiction of your own passions, at best in front of a mirror, where you are stimulataneously the perfeormer 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.



Humanities and Social Sciences Technology, Culture, and Society

Harald Fuess, Heidelberg University

Hiltraud Casper-Hehne, Göttingen University Alexandra Hausstein, Karlsruhe University Takashi Sugiyama, Kyoto University Kotaro Yoshida, Osaka University Akihiro Ozaki, Tohoku University

Working Group Diskussions, Karlsruhe, 30 September 2016



Humanities and Social Sciences

-- Technology, Culture, and Society --

Session I Technology, Risk, Morality after Fukushima

- NAOE (Tohoku) Acceptable Risk and Responsibility
- HARA (Tohoku) Science and Morality Risk Communication after the Nuclear Disaster in Fukushima
- WULF (KIT) Responsibility across generations The German approach to nuclear waste disposal

Session II History and Philosophy of Technology

- NIHEI (Tohoku) Stability and Normativity of Thing Knowledge
- POPPLOW (KIT) Did "culture" make the difference? Felix Wankel's rotary engine in Germany and Japan (1959-2012)
- FONGARO (Tohoku) Bodily Creativity: On a Possibility for Art in the Time of Technology

Session III Technology, Art, and Literature

- · OZAKI (Tohoku): Rembrandt's Aesthetic Technology
- · AROKAY (Heidelberg): Digital Cartography of Literary Places

Session Plans for HeKKSaGOn in Osaka, April 2018

YOSHIDA (Osaka), FUESS (Heidelberg)

(Chair: Sugiyama, Kyoto)

(Chair: Lessmöllmann, KIT)

(Chair: Hausstein, KIT)

(Chair: Fuess, Heidelberg)

Humanities and Social Sciences -- April 2018 --



2018 Events around a HeKKSaGOn Meeting at Osaka University

- 1. Meeting Theme: Transcultural Identities
- 2. Preconference: Meiji Japan in Global History
- 3. Graduate Student Workshop (with languages crossed-over)

Work Group Meeting IV

Disaster Risk & Response: Scientific & Technological Issues – Disaster Science and its role for global safety

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



Work Group Meeting IV

Disaster Risk & Response: Scientific & Technological Issues – Disaster Science and its role for global safety

HeKKSaGOn - The German-Japanese University Network

5th Japanese – German University Presidents' Conference

Fostering Student Mobility to shape tomorrow's Researchers and Innovators



Shunichi Koshimura (Tohoku University IRIDES):

Advances of real-time simulation, remote sensing, and geo-informatics in assessing tsunami impact

Hiroshi Kawase (Kyoto University, DPRI):

Title The heavy damage concentration in Mashiki Town during the 2016 Kumamoto earthquake: what can be explained and what cannot,

Benjamin Hertfort (Heidelberg University), Farnaz Mahdavian (KIT):

The HEIKA project on Tourism Destination Recovery

Melanie Eckle and Benjamin Herfort (Heidelberg University):

Geoinformatics in disaster mapping and disaster management

Michael Kunz (KIT, CEDIM):

Near Real-Time Forensic Disaster Analysis

Andre Dittrich (KIT, CEDIM):

Using Social Media for Rapid Damage Assessment

Andreas Schäfer (KIT, CEDIM):

Global Tsunami Risk Modelling



Analysis of institutional capacity:

Japan: IRIDES, DPRI in Sendai and Kyoto covering all aspects of disaster risk

Germany: more scattered, CEDIM at KIT, GIScience (HD) and various institutes in HD and

Göttingen

Theme:

Damage from large natural disaster impact on different time scales predictive

real-time

post event

recovery monitoring

for different perils earthquake/tsunami

typhoons, floods, hail, ..

With various approaches physical modelling

engineering assessment

remote sensing crowd sourcing vulnerability based

economical



Action:

2 responsible persons for the next 6 months:

Shunichi Koshimura (Tohoku University IRIDES):

Friedemann Wenzel (KIT)

Organize

visits of Prof. Koshimura in HD, KIT

identify more of the research community in the HeKKSaGOn unis identify options for bilateral cooperation (papers, application)

identify options for workshops, summer schools,

identify existing frameworks: UN Outer Space Affairs Bonn, GADRI

Draft plan of action for 2017 and 2018 with specific objectives and projected outcomes.

Work Group Meeting V Dynamic Imaging for Physical, Chemical & Biological Interests

Chair: Prof. Dr. Kiyoshi Ueda, Tohoku University Co-Chair: Prof. Dr. Lorenz S. Cederbaum, Heidelberg University

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"

HeKKSAGOn Working Group V

Dynamic imaging for Physical, Chemical, and Biological Interests

Report on 2016 KIT HeKKSAGOn Group V meeting

Coordintors:
U. Heidelberg
Lorenz Cederbaum



& Tohoku U. Kiyoshi Ueda



Outline

Our WG focuses on studying ultrafast electron and structure dynamics in the systems of physical, chemical and biological interests and discusses also new developments of experimental techniques at the x-ray free electron lasers (XFEL) as well as relevant theoretical developments.

Objective

Via HeKKSAGOn we seek for, establish, expand and enforce the new or existing collaborations between Germany and Japan on the subject of our common interest i.e. ultrafast dynamic imaging.

We aim at joint scientific publications.

To accomplish our objective

We always have pre- and/or post-conference discussion meetings besides a half-day WG meeting within HeKKSAGOn conference. This time we had every intensive one full day meeting (13 talks + discussions) on Wednesday 28 September in Heidelberg.

HeKKSAGOn Pre-meeting in Heidelberg – Sept 28

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9:00-9:25 Takashi Hirano, Osaka University: "Performance of a split-and-delay optics at SACLA (in Japan) " - student
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9:25-9:50 Rebecca Boll, DESY:" Molecular charge transfer dynamics initiated

by intense X-ray pulses" – junior researcher (experiment at LCLS in USA)

9:50-10:10 Tsukasa Takanashi, Tohoku University: "Time-Resolved

Measurements for XFEL-induced Dynamics of Diiodomethane Molecule by NIR Laser Probe"—student (experiment at SACLA in Japan)

10:10-10:40 break

10:40-11:10 Christian Ott, MPI Nuclear Physics: "High intensity XUV transient absorption at FLASH (in Germany)" – junior researcher

11:10-11:40 Georg Schmid, MPI Nuclear Physics: "New results from REMI at FLASH (in Germany)" – junior researcher

11:40-12.05 Hironobu Fukuzawa, Tohoku University: "Auger decay induced ICD in rare-gas clusters" – Mid carrier (experiment at SPring-8 in Japan)

13:40-14.10 Kirill Gokhberg, Heidelberg University: "X-ray induced electronic decay cascades in medium" –Mid-carrier (Theory)

14:10 14:40 Nikolai Kruzbovoi. Heidelberg University: "Intermolecular

14:10-14:40 Nikolai Kryzhevoi, Heidelberg University: "Intermolecular electronic relaxation in X-ray irradiated liquid water and aqueous solutions" —Mid-carrier (Theory)

14:40-15:05 Zhon Yin, DESY—MPIbpC-Goettingen U: "Soft X-ray Spectroscopy on Water and Solutions (Chem.)" – Student (experiment at PETRA III in Germany) 15:05-15:25 Kiyonobu Nagaya, Kyoto University: "Femtosecond time-resolved observation of nanoplasma formation (at SACLA in Japan)" Junior

15:25-15:55 break-

15:55- 16:15 Thomas Pfeifer, MPI Nuclear Physics: "Imaging of C_{60} dynamics at LCLS" – Senior (experiment at LCLS in USA)

16:15-16:40 Kiyoshi Ueda, Tohoku University "Attosecond coherent control with multicolor fully coherent FEL pulses" (experiment at FERMI in Italy)

16:40-17:05 Ilme Schlichting: MPI Med. Research: "X-ray pump probe on biomolecules" – Senior (experiment at LCLS in USA)

17:05-18:00 free discussions on radiation damage in the FEL dynamic imaging experiments at the atomic and electronic levels

9:00-9:05 Kiyoshi Ueda (Tohoku) "Opening"

I. X-ray optics

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

II. Chemistry

9:35-10:05 Simone Techert (Göttingen) "Ultrafast dynamics of absolutely determined structures - progress report"

III. Electron dynamics

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)

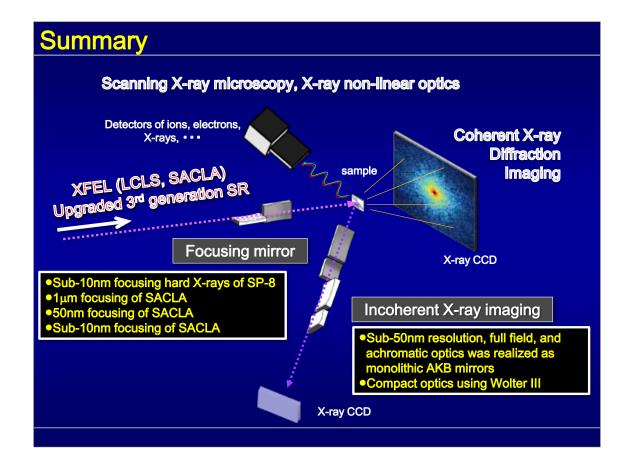
"Charged particle spectroscopy of clusters and its time-resolved measurements using FELs"

IV. Discussion and summary

11:35-11:55 Discussions

11:55-12:00 Lorentz S. Cederbaum (Heidelberg)

"Summary"



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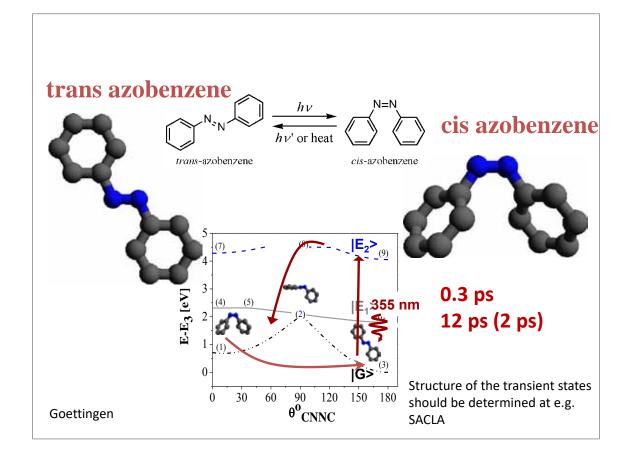
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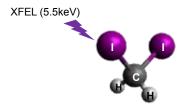
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11:55-12:00 Lorentz S. Cederbaum (Heidelberg)

"Summary"

Interaction between XFEL and molecule including heavy atoms

Target molecule for this study



Revealing Coulomb explosion dynamics using theoretical simulation &

Real-time observation of XFEL induced decay processes using probe NIR laser

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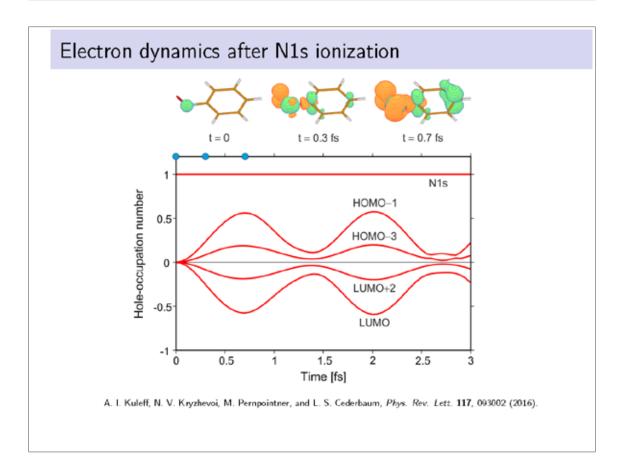
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11:55-12:00 Lorentz S. Cederbaum (Heidelberg)

"Summary",

Outcome from Cooperation 1 (electron dynamics) in 2015-2016

Example 2

Time-resolved observation of the interatomic Coulombic decay induced by two-photon double excitation in Ne₂

Submitted to Phys. Rev. Lett.

T. Takanashi, N. V. Golubev, H. Fukuzawa, K. Motomura, D. Iablonskyi, Y. Kumagai, S. Mondal, T. Tachibana, K. Nagaya, T. Nishiyama, K. Matsunami, P. Johnsson, P. Piseri, G. Sansone,

A. Dubrouil, M. Reduzzi, P. Carpeggiani, C. Vozzi, M. Devetta, M. Negro, D. Facciala, F. Calegari,
 A. Trabattoni, M. C. Castrovilli, Y. Ovcharenko, M. Mudrich, F. Stienkemeier, M. Coreno,
 M. Alagia, B. Schutte, N. Berrah, C. Callegari, O. Plekan, P. Finetti, C. Spezzani, E. Ferrari,

E. Allaria, G. Penco, C. Serpico, G. De Ninno, B. Diviacco, S. Di Mitri, L. Giannessi, K. C. Prince,

Ph. V. Demekhin, L. S. Cederbaum, A. I. Kuleff, and K. Ueda Tohoku U., Kyoto U., Heidelberg U.

Heidelberg group theoretically predicted the titled process at the Kyoto meeting (2012). Tohoku and Kyoto groups made a beam time proposal for FERMI, FEL in Italy. We run the experiment in April 2014. We discussed the results in Sendai meeting (2015) and made a joint paper. *In this work, two students, Tsukasa from Tohoku and Nicolai from Heidelberg, played a main role, communicating directly each other.*

Summary of WG V meeting and preconference meeting

There are by now fully blooming collaborations!

1. on ultrafast energy and electron transfer

6 papers submitted last year; two accepted and others under review. We discussed two new results from Spring-8 and SACLA, aiming at preparing two papers, and also a new beam time proposal aiming at FLASH in Germany.

2. on the imaging of physical samples by FEL

We discussed the current status of the data analysis for the experiment done at LCLS in USA.

3. on visualizing chemical reactions by FEL

3 papers published last year. We identified the next target and discussed about the beam time proposal aiming at SACLA in Japan.

4. on the imaging of biological samples by FEL

We discussed about unavoidable radiation damage in the FEL imaging experiments and agreed to make joint efforts to solve this critical issue.

Work Group Meeting VI Robotics: Challenges & Opportunities in the 21st Century

Chair: Prof. Tamim Asfour, KIT

Co-Chair: Prof. Kazuhiro Kosuge, Tohoku University

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



HeKKSaGOn

GERMAN-JAPANESE UNIVERSITY NETWORK

WG VI: Robotics Challenges & Opportunities in the 21st Century

Tamim Asfour, KIT

Karlsruhe 29-30 September 2016

Past Activities

- International workshop "Robotics in the 21st century: Challenges and Promises"; Volpriehausen (near Göttingen) Germany
- The First International Symposium on "Swarm Behavior and Bio-Inspired Robotics", Kyoto, Japan, 2015
- Joint workshop on "Embodied sensorimotor interaction: from locomotion to collective behavior", Kyoto, Japan, 2015
- Several student exchange
 - Tohoku University Engineering Summer Programme (TESP)
 - Kyoto Winter School "From Materials to Life: Multidisciplinary Challenges"
 - 3 month student exchange between Kyoto and KIT

What's next?

- Second edition of the international workshop on "Robotics in the 21st century" (International Robotics Summit, Karlsruhe area)
- Second International Symposium on "Swarm Behavior and Bio-Inspired Robotics", Kyoto, Japan, 2017
- Tohoku University Engineering Summer Program (TESP 2017)
- Scientific exchange and collaboration in different areas
 - KIT and Tohoku: assistive robotics and rescue robotics
 - Tohoku and Heidelberg: assistive robotics
 - KIT and Osaka: humanoid grasping and manipulation in industrial environments, developmental and cognitive robotics
 - Kyoto and Göttingen: biologically-inspired robot locomotion
 - Kyoto and Heidelberg: swarm robotics

What's next?

- Joint research projects (with funding)
 - EU-Japan Joint calls
 - DFG/DAAD/JSPS/JST
- Collaboration with other existing networks
- Prof. Florentin Wörgötter (Göttingen) on Sabbatical at Kyoto University (April 2017 – October 2017)

Thanks for you attention



HeKKSaGOn GERMAN-JAPANESE UNIVERSITY NETWORK

Work Group Meeting VII

Japanese-German Neuroscience Research Network Focusing on Psychosis, Affective Disorders and Related Traits

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



HeKKSaGOn 2016

Japanese-German Neuroscience Research Network focussing on Psychosis, Affective Disorder, and Related Traits



Participants 2016

Hiroaki Tomita, Tohoku University

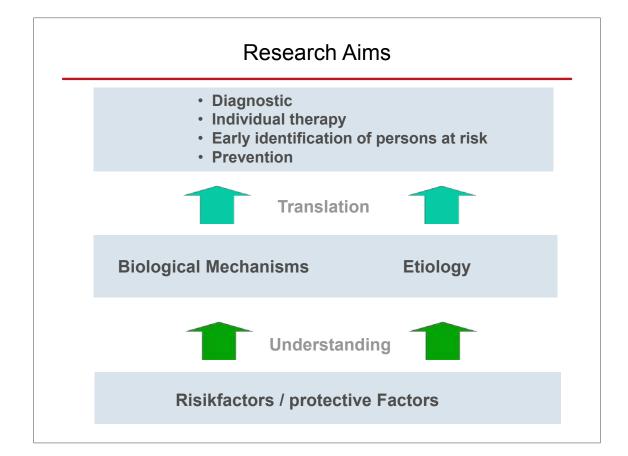
Masanori Isobe, Kyoto University

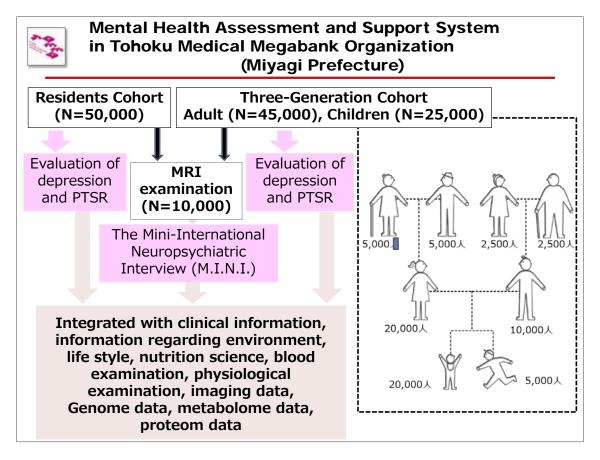
Ulrich Ebner-Priemer, KIT

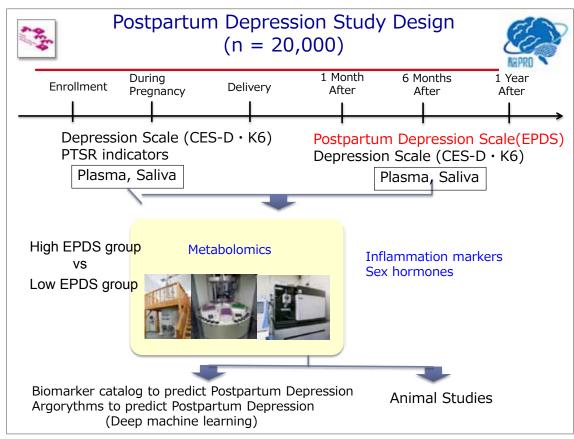
Heike Anderson-Schmidt, Göttingen University

Stephanie Witt, Heidelberg University

Thomas Schulze, Göttingen University







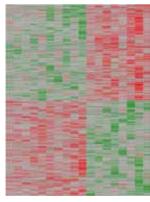
Epigenetic Analysis of Early Life Stress

Individual genes

supported by

Analysis of Extreme Groups of Stressed and non-stressed newborns

ELS high low



Genes	3405	
1 stress	1750	
↓ stress	1786	

Convergent Approach

Animal data

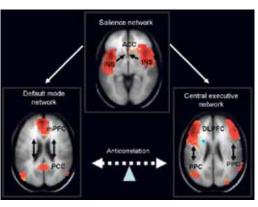
U6 PDE4DIP ADARB2 MORC1 7SK PRMT5 CSRNP3



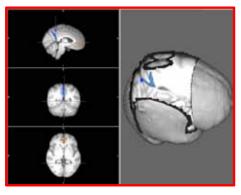
Gene-set based GWAS analysis MORC1

Nieratschker et al., Translational Psychiatry 2014

Functional Connectivity in Psychiatric Diseases



(2014 Nekovarova et al, Frontiers in Behavioral Neuroscience)



- We examined aberrant organization of large scale networks detected in resting state fMRI among Schizophrenia and Anorexia.
- We found the characteristic which is original to each disease and common across diseases.
- The results wait for replication and development of analysis. (with help of HeKKSaGON)

The method: Ambulatory Assessment

<u>Definition</u> The use of computer-assisted methodology to assess self-reports, behaviors and physiological processes, while the participant undergoes normal daily activities.

Related terms

- Ambulatory Monitoring
- Ecological Momentary Assessment
- Experience Sampling Method



Key features

real-time, real-life, within-subject processes, multimodal

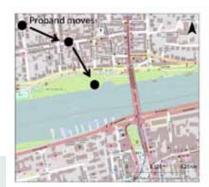
Trull & Ebner-Priemer, 2014, Ann. Rev. Clin. Psych.



population density population and the components

GPS-triggered e-diaries

- Location is tracked via GPS
- Changes in location are traced on environmental components maps.
- Significant changes on these maps trigger the e-diary in real-time in participants everyday life.





Dorn et al., 2015

Collaborations

- Tohoku Osaka Göttingen HD Biomarker for Lithium Response
- Kyoto, Osaka, Tohoku, HD Imaging Genetics
- Tohoku, HD
 Postpartum Depression
- Tohoku, HD
 Early life stress
- KIT, Tohoku, Kyoto, HD Ambulatory Assessment

Work Group Meeting VIII

Mathematics at the Interface of Science and Technology towards Innovation – Seeds in Mathematics versus Needs outside Mathematics

Chair: Prof. Dr. Wilderich Tuschmann, Karlsruhe Institute of Technology Co-Chair: Prof. Dr. Takashi Suzuki, Osaka University

Program

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:

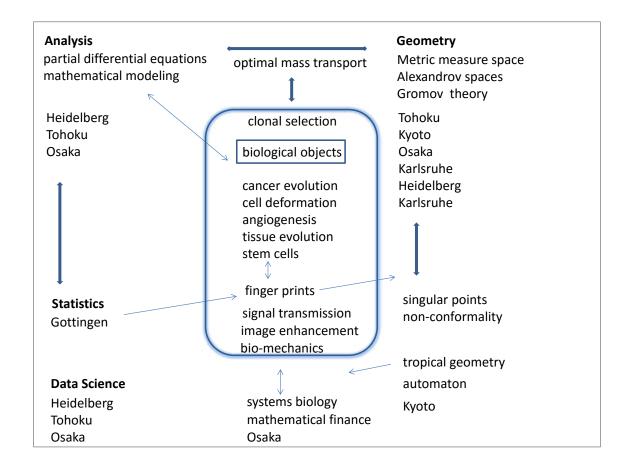
 "Metric spaces with curvature bounded below and topological data analysis"
- 11:40 12:15 Further discussion of joint future events and collaborations

Mathematics at the Interface of Science and Technology towards Innovation

Seeds in Mathematics versus Needs outside Mathematics

exchange of students joint work extend participants and new fields

2017 Spring School: March 06 – 10 MMDS (Center for Mathematica I Modeling and Data Science) Osaka University



Work Group Meeting IX Data Science

Date and Time: Friday, September 29th and 30th, 2016 9:00 a.m. – 12:00 noon Chair: Prof. Dr. Ramin Yahyapour, University of Göttingen

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, Universität 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 dataintensive computing or storage services for large scientific data
- Teaching and training on data science related topics
- Security, data privacy, legal and ethical questions



First Workshop Working Group IX — "Data Science"

5th Japanese – German
University Presidents' Conference
September 30th, 2016 Karlsruhe Institute of Technology

Prof. Dr. Ramin Yahyapour University of Göttingen



Background

- Presentation of the topic "Data Science" at HeKKSaGoN meeting in Sendai, April 2015
- Topic selected by presidents for workshop
- First workshop in Karlsruhe with 10 participants

Objective:

- · Identify common interest
- Define fields of future collaboration
- Establish follow-up activities after conference



Agenda

- "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 Shizuoka University, Hamamatsu, Japan
- "Open Access to Data for Open Science"
 Takashi Hikihara, Professor, Director General of Library Network, Kyoto University
- "Enabling Data-Intensive Science", Achim Streit, SCC, Karlsruhe Institute of Technology (KIT)
- "Institutional strategy for developing data science on the Göttingen Campus" Ramin Yahyapour, GWDG, University Göttingen
- "Launching Open Data and Research Data Management in Kyoto", Takaaki Aoki, Academic Center for Computing and Media Studies, Kyoto University
- "Research Data Alliance"
 Rainer Stotzka, IPE, Karlsruhe Institute of Technology (KIT)
- "Data Management and Data Science in Heidelberg", Vincent Heuveline, IWR, University Heidelberg



Open Access to Open Data and Open Science

- · Joint strategic topic in Japan an Germany
- Changing the way of research and development
- Greater collaboration necessary, requires broad range of stakeholders
- Open access policy effective at HeKKSaGoN universities
- Fostering open access through institutional measures
- Requires solution e.g. for repositories and metadata, but also processes and incentives for researchers



Application-oriented Data Science

- Translating application/domain-specific requirements to data solutions
- · Enabling re-use and wider access
- Identifying common pipelines and infrastructure services
- Organizational structures to establish data science-related support, consulting and research labs
- Strong collaboration between libraries and compute centres
- Cloud services are relevant technology



Interoperability and Standards

- · Research is done in collaboration
- Diversity is given, but common standards help in re-usability and exchange of data
- Supporting different scientific communities requires interoperability through common practices
- Common challenges:
 - Community building
 - Meta-Data
 - Technical aspects in maintain suitable infrastructure services
- Example:

Research Data Alliance as an existing international body



Teaching in Data Science and Research Data Management

- Different approaches at the universities to include the topic in the curricula
 - Under-graduate level
 - Graduate level
 - Supplemental courses to existing curiccula
- Topic is cross-disciplinary which is a challenge to address appropriately
- Exchange of experiences and maybe content considered useful



Mission Statement

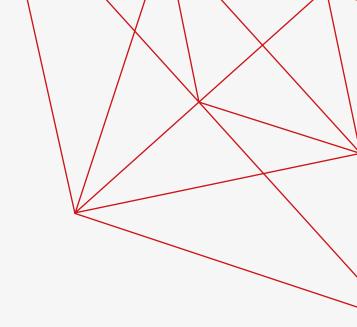
How to support research that increasingly relies on data science in order to transcend disciplinary, methodological and geographical boundaries for open science?



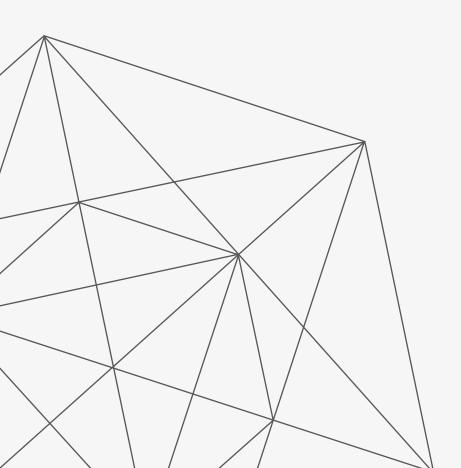
Next Steps

- Follow-up videoconferences
- Preparation of summer school in 2017
- In the mid-term staff and researcher exchange on research data management
- Collaboration on teaching
 - Course development
 - Joint modules, Visiting lecturers
- Include additional participants from the HeKKSaGOn partners in the working group





1st Japanese-German HeKKSaGOn Students' Workshop



Thursday, September 29th

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

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





September 29th and 30th, 2016 Karlsruhe

Institute of

Technology

KIT

HeKKSaGOn – German-Japanese University Network

5th Japanese-German University Presidents' Conference

Fostering Student Mobility to shape tomorrow's Researchers and Innovators





KIT - The Research University in the Helmholtz Association

5th Japanese-German University Presidents' Conference



1st HeKKSaGOn Students' Workshop

Bridging Cultures through Mobility in Research, Higher Education and Innovation

HeKKSaGOn

5th Japanese-German University Presidents' Conference



Overview

- Differences in university systems
- Communication
- Preconditions & finances
- HeKKSaGOn-Student-Network

5th Japanese-German University Presidents' Conference

Differences in university systems

- Credit point
- Eligibility to courses
- Application systems

5th Japanese-German University Presidents' Conference



Communication

- Preliminary program information
- English taught courses
- Creating a HeKKSaGOn-Buddy-program
- Transparent public evaluations on exchange programs

5th Japanese-German University Presidents' Conference



Preconditions & finances

- Increasing chances for sholarships
- Reduction of Japanese tuitition fees

5th Japanese-German University Presidents' Conference



HeKKSaGOn-Student-Network

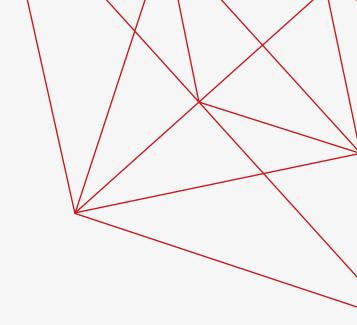
- Preparation network
- Intercultural activities & friendships
- Interdisciplinary Workshops
- Student summer/ winter schools

5th Japanese-German University Presidents' Conference

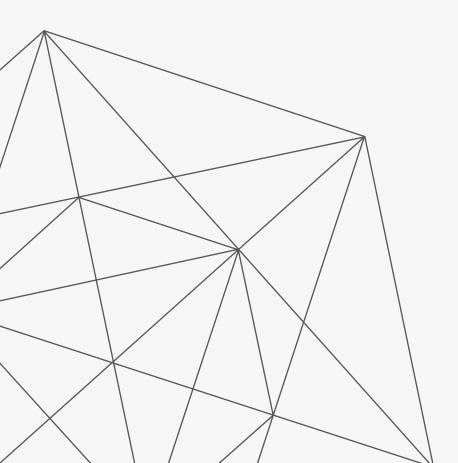


Questions

- Is there a chance to create HeKKSaGOn scholarships?
- Would it be possible to provide equal student status?



Participants



Participants 199

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- Wanner, Alexander
- Wedlich, Doris
- Wenzel, Friedemann
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- Wöll, Christof

Participants 200

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- Nishio, Shojiro

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- Yamauchi, Kazuto

Others

- Finken, Holger (German Academic Exchange Service)
- Golk, Thomas (The Japan Foundation)
- 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)

