

7th Joint Korean-German Conference

SCIENCE AND INNOVATION

08:00~18:00, October 13 (Tue), 2015

Grand Ballroom, Grand Hyatt Seoul



It is our great pleasure to invite you to our **"Joint Korean-German Conference - Science and Innovation"** to be held on **October 13, 2015** at the Grand Hyatt Hotel, Seoul, Korea. This conference is organized by the Embassy of the Federal Republic of Germany in Seoul, the Alumni Network Germany-Korea (ADeKo), the Korean Academy of Science and Technology (KAST), the German National Academy of Sciences Leopoldina, Electronics and Telecommunications Research Institute (ETRI), Fraunhofer, the Korea Institute of Science & Technology Evaluation and Planning (KISTEP), the Science and Technology Policy Institute (STEPI) and sponsored by the Federal Ministry of Education and Research (BMBF), the Ministry of Science, ICT and Future Planning (MSIP), the German Academic Exchange Service (DAAD), the National Research Foundation (NRF), Audi, BASF, Bayer, BMW, Boehringer-Ingelheim, Bosch, Hyundai Motor Group, Iljin Electric, Merck, SAP, Siemens, Volkswagen and Carl Zeiss.

The conference will offer a valuable opportunity for lively discussion among international experts on various aspects of science and innovation.

All essential information regarding the conference is available at **www.science-innovation.kr**.

Should you wish to participate, please register by October 8, 2015.

We thank you for your interest. We hope that you will be able to attend and actively take part in the conference.

REGISTRATION

- 등록 진행 시 신분증을 필수 소지하시기 바랍니다.
(Please bring your ID with you)
- 오전 9:00~10:00에는 현장등록을 받지 않습니다. 필수 사전등록 바랍니다.
(on site registration will be closed from 9:00~10:00, Please register online)
- 오전 9:00~10:00까지는 입장이 불가하오니 필수 전에 도착하여 주시기 바랍니다.
(Please arrive before 9:00 and enter for the entry will be forbidden from 9:00~10:00)

Mr. Hwang-sik Kim
Chairperson
ADeKo

Mr. Rolf Mafael
Ambassador
Embassy of the Federal Republic
of Germany, Seoul

Prof. Sung Hyun Park
President
The Korean Academy of
Science and Technology

Dr. Youngah Park
President
Korea Institute of
S&T Evaluation and Planning

Dr. Jong Guk Song
President
Science and Technology Policy Institute



PROGRAM

* Strict security measures will be operated due to the presence of German Federal President Joachim Gauck. Please arrive as early as possible. No entry will be allowed after the beginning of the conference.

Next entry will be allowed at 10:00.

Time	Program	
08:00~09:00	Registration	
09:00~09:50	Opening - Opening Performance - Opening: Hwang-sik Kim, ADeKo-Chairman and former Prime Minister Congratulatory Remark - Minister Yanghee Choi, Korean Ministry of Science, ICT and Future Planning (MSIP) Speech : German Federal President Joachim Gauck VIP Photo Session Greetings - Prof. Dr. Jörg Hacker, President of the German National Academy of Sciences Leopoldina - Prof. Sung Hyun Park, President of the Korean Academy of Science and Technology (KAST) - Prof. Dr. Margret Wintermantel, President of the German Academic Exchange Service (DAAD)	
09:50~10:20	Keynote Speech : Nobel Laureate, Prof. Dr. Christiane Nüsslein-Volhard	
10:20~10:45	Coffee Break	
10:45~12:30	Plenary Session – Science and Innovation - Chair: Prof. Dr. Jörg Hacker, President of the German National Academy of Sciences Leopoldina Speech : Dr. Chang-Gyu Hwang, President of KT Speech : Prof. Dr. Helmut Schwarz, President of Alexander von Humboldt Foundation (AvH) Speech : Dr. Min Keun Chung, President of the National Research Foundation of Korea (NRF) Speech : Dr. Hermann Gerlinger, Member of the Board of Carl Zeiss Germany Panel Discussion	
12:30~14:00	Lunch	
14:00~18:00	Parallel Afternoon Sessions (Namsan Room 1, 2, 3, 5 / 2F)	
	[Session 1] Industry 4.0 Organized by: FhG Representative Office Korea, Electronics and Telecommunications Research Institute (ETRI) and Korea ICT Convergence (KICON)	[Session 2] Risk Management -Paving the Way for Innovation Organized by: Korean Institute of S&T Evaluation and Planning (KISTEP) and FAU Erlangen-Nürnberg
14:00~14:10	Session Introduction - Chair: Prof. Dr. Hans Müller-Steinhagen, Rector of TU Dresden	14:00~14:20 Session Introduction - Chair: Dr. Youngah Park, President of Korea Institute of Science & Technology Evaluation and Planning (KISTEP)
14:10~15:50	Part I - Industry - Günther Klopsch, Head of Industry Sector, Siemens Ltd. Seoul - Dr. Frank Schaefers, President & CEO of Robert Bosch Korea Ltd. - Won Joon Hyoung, President & CEO of SAP Korea - Jinhan Kim, Chief & General Manager of Gyeongbuk Center for Creative Economy & Innovation	14:20~15:20 Part I - Enhancing Risk Management Capabilities - Prof. Jaeyeol Yee, Seoul National University (SNU) - Prof. Dr. Kai-Ingo Voigt, FAU Erlangen-Nürnberg - Jung Goo Kim, Chairman of 2L Network Ltd.
15:50~16:10	Coffee Break	15:20~15:40 Coffee Break
16:10~17:00	Part II – Research Institutes - Dr. Chaedeok Lim, Managing Director of Electronics and Telecommunications Research Institute (ETRI) - Bastian Pokorni, Fraunhofer IAO Stuttgart	15:40~17:00 Part II - Responsible Public Dialogue in Science and Technology - Prof. Dr. Michael Decker, Karlsruhe Institute of Technology (KIT) - Dr. Sang Hyon Lee, Korea Institute of Science & Technology Evaluation and Planning (KISTEP) - Piet Sellke, Dialogik - Prof. Hae-Ryong Song, Sungkyunkwan University (SKKU)
17:00~18:00	Panel Discussion Speakers & Sung-joo Kang, Director General of Internet Convergence Policy Bureau	17:00~18:00 Panel Discussion
	[Session 3] KAST-Leopoldina Bilateral Symposium on Bioimaging and its Application Organized by Korean Academy of Science and Technology (KAST) and Leopoldina	[Session 4] Data Science for Intelligent Actions Organized by ADeKo and SNU Big Data Institute
14:00~14:10	Session Introduction - Chair: Prof. Yung Woo Park, Chair of KAST Foreign Affairs Division	14:00~14:10 Session Introduction - Chair: Prof. Dr. Joachim Hornegger, President of FAU Erlangen-Nürnberg
14:10~14:40	Keynote Speech - Prof. Dr. Patrick Cramer, Director of the Max Planck Institute for Biophysical Chemistry	14:10~15:00 Data Science - Research and Education - Prof. Dr. Wolfgang Lehner, ScaDS at TU Dresden - Prof. Sang-Kyun Cha, SNU Big Data Institute - Prof. Keunkwan Ryu, Seoul National University (SNU)
14:40~15:40	Part I - Prof. Sang-Hee Shim, Ulsan National Institute of Science and Technology (UNIST) - Prof. Dr. Matthias Rief, TU München, Institute of Molecular and Cellular Biophysics - Prof. Nam-Ki Lee, Pohang University of Science & Technology (POSTECH)	15:00~15:50 Panel Discussion
15:40~15:55	Q&A Session	15:50~16:10 Coffee Break
15:55 ~16:10	Coffee Break	16:10~17:00 Health Care and Mobility Applications - Dr. Hee Hwang, SNU Bundang Hospital - Prof. Dr. Elisabeth Steinhagen-Thiessen, Charité Universitätsmedizin, Berlin - Martin Wöhrle, Head of R&D Center, BMW Korea
16:10~17:10	Part II - Prof. Dr. Vahid Sandoghdar, Max Planck-Institute for the Science of Light - Prof. YongKeun Park, Korea Advanced Institute of Science and Technology (KAIST) - Prof. Dr. Katharina Gaus, University of New South Wales, Sydney	17:00~17:50 Panel Discussion
17:10~17:20	Q&A Session	
17:20~17:55	Panel Discussion - Chair: Prof. Jung Yul Yoo, Executive Vice-President of the Korean Academy of Science and Technology (KAST) - Chair: Prof. Ernst-Ludwig Winnacker, University of München	
17:55~18:00	Closing remarks	

REGISTRATION

- 등록 진행 시 신분증을 필수 소지하시기 바랍니다.
(Please bring your ID with you)
- 오전 9:00~10:00에는 현장등록을 받지 않습니다. 필수 사전등록 바랍니다.
(on site registration will be closed from 9:00~10:00, Please register online)
- 오전 9:00~10:00까지는 입장이 불가하오니 필수 전에 도착하여 주시기 바랍니다.
(Please arrive before 9:00 and enter for the entry will be forbidden from 9:00~10:00)

Contact Point

Sun Young Park

Tel : +82-2-748-4156 Fax: +82-2-748-4161 E-mail : wiss-100@seoul.diplo.de

Website : www.science-innovation.kr