

“SCIENCE FOR FUTURE: ALL STARTS WITH BASIC RESEARCH”

Joint Conference by the Chinese Academy of Sciences and
the German National Academy of Sciences Leopoldina

8-11 September 2019

UCAS Yanqi Lake Campus, Beijing

PROGRAM

Day 1: Science for Future (SfF) Young Researchers' Forum | Sunday, 08 September 2019

14:00 – 14:10	<p>SfF Young Researchers' Forum (Lecture Hall) Hosts: Yueliang WU, Vice President, UCAS, Member of SfF-Organizing Committee & Harald FUCHS, Co-Chair of SfF-Organizing Committee</p> <p>Welcome and Introduction Yueliang WU & Harald FUCHS</p>
14:10 – 14:55	<p>The Miraculous World of Chemical Reactions Jürgen TROE, University of Goettingen, Goettingen, Germany Host: Harald FUCHS</p>
14:55 – 15:00	<p>Introduction to the Flash Talks by the Hosts Yueliang WU & Harald FUCHS</p>
15:00 – 15:45	<p>Flash Talks by Young Researchers <i>(max. 2 min & max. 2 slides per person; 17 Chinese & German representatives)</i> Moderated by: Yueliang WU & Harald FUCHS</p>
15:45 – 16:15	<p>Tea Break</p>
16:15 – 17:00	<p>Flash Talks by Young Researchers (cont'd; 18 representatives) Moderated by: Yueliang WU & Harald FUCHS</p>
17:00 – 17:45	<p>Scientific Publishing From the Inside Out Jake YESTON, Editor Research, SCIENCE, AAAS Host: Yueliang WU</p>
17:45 – 18:00	<p>Closing Remarks Yueliang WU & Harald FUCHS</p>

08:30 – 09:00	<i>Registration/Chinese Folk Music Performance</i>
09:00 – 09:20	<p>Opening Session (Lecture Hall)</p> <p>Host: Tao ZHANG, Vice President of the Chinese Academy of Sciences, Co-Chair of SfF Organizing Committee</p> <p>Welcome Remarks</p> <p>President Chunli BAI, Chinese Academy of Sciences</p> <p>President Jörg HACKER, German National Academy of Sciences Leopoldina</p> <p>Jinpeng HUAI, Executive Vice President, China Association for Science and Technology</p> <p>Clemens von GOETZE, German Ambassador to China</p>
09:20 – 10:00	<p>The Beijing Declaration</p> <p>Host: Tao ZHANG</p> <p>Presentation of the Text</p> <p>Tao ZHANG</p> <p>Signing Ceremony</p> <p>President Chunli BAI and President Jörg HACKER</p> <p>Official Group Photo</p>
10:00 – 10:30	Tea Break
10:30 – 11:15	<p>Our New International System of Units – From Basic Research to Applications –</p> <p>Klaus von KLITZING (Solid State Physics), Max Planck Institute for Solid State Research, Stuttgart, Germany</p> <p>Host: Tao ZHANG</p>
11:15 – 12:00	<p>Science for Future</p> <p>Chen Ning YANG (Theoretical Physics), Tsinghua University</p> <p>Host: Tao ZHANG</p>
12:00 – 13:00	Lunch, West Cafeteria (1st floor, building A)
14:00 – 14:45	<p>On the Changing Arctic Ocean: International Collaboration in Assessing Future Tipping Points</p> <p>Antje BOETIUS (Marine Microbiology), Alfred Wegener Institute – Helmholtz Center for Polar and Marine Research, Bremerhaven, Germany</p> <p>Host: Regine KAHMANN, Member of SfF-Organizing Committee</p>
14:45 – 15:30	<p>Model Checking via Games</p> <p>Huimin LIN (ICT), Institute of Software, Chinese Academy of Sciences</p> <p>Host: Gang PEI, Member of SfF-Organizing Committee</p>
15:30 – 16:00	Tea Break
16:00 – 16:45	<p>Curiosity-Driven Research with Practical Implications in Catalysis and Energy Science</p> <p>Ferdi SCHÜTH (Chemistry), Max-Planck-Institut für Kohlenforschung, Mühlheim an der Ruhr, Germany</p> <p>Host: Regine KAHMANN, Member of SfF-Organizing Committee</p>
16:45 – 17:30	<p>Progress of Stem Cell Research and Clinical Application in China</p> <p>Qi ZHOU (Stem Cell Biology), Institute of Zoology, Chinese Academy of Sciences</p> <p>Host: Gang PEI, Member of SfF-Organizing Committee</p>

Day 3: SfF Conference | Tuesday, 10 September 2019

08:30 – 09:15	The Asian Water Tower Change and Its Impact in a Warming World Tandong YAO (Geology/Glaciology) , Institute of Tibetan Plateau Research, Chinese Academy of Sciences Host: Zhengtang GUO, Vice President, UCAS
09:15 – 10:00	The 2nd Code in DNA Thomas CARELL (Organic Chemistry) , LMU Munich, Munich, Germany Host: Katharina KOHSE-HÖINGHAUS, Member of SfF-Organizing Committee
10:00 – 10:30	Tea Break
10:30 – 11:15	Quantum Leap: From Tests of Quantum Foundations to New Quantum Technologies Jianwei PAN (Quantum Physics) , University of Science and Technology of China Host: Zhengtang GUO, Vice President, UCAS
11:15 – 12:00	CERN – A Marvel of International Collaboration: Exploring the Early Universe Rolf-Dieter HEUER (Particle Physics) , German Physical Society (DPG), Bad Honnef, Germany Host: Katharina KOHSE-HÖINGHAUS, Member of SfF-Organizing Committee
12:00 – 12:15	Closing Remarks Katharina KOHSE-HÖINGHAUS & Yueliang WU

Day 4: SfF Young Researchers' Forum: Visit to Institutes | Wednesday, 11 September 2019

10:00 – 12:00	Visit to Institutes CAS Institute of Chemistry (ICCAS) – <i>on invitation only</i>
12:00 – 13:00	Lunch
13:00 – 15:00	Visit to Institutes (Cont'd) CAS Institute of Physics (IOP) – <i>on invitation only</i>
15:00 – 18:00	Cultural Excursion <i>(on invitation only)</i>

Program as of 3rd Sept 2019