



Leopoldina
Nationale Akademie
der Wissenschaften

On the Path to Carbon Neutrality

2nd Science for Future Conference

-Tentative agenda-

Tuesday, 29.10.2024

Day 1: 12:00 – 18:30 (public event)

Venue:	Berlin Adlershof Science City, Bunsen-Saal Volmerstrasse 2, 12489 Berlin
12:00-13:00	Registration and Light Lunch
13:00-13:20	Opening Remarks by Prof. (ETHZ) Dr. Gerald HAUG ML ¹ , President of the German National Academy of Sciences Leopoldina Prof. Dr. Jianguo HOU, President of the Chinese Academy of Sciences (CAS)
13:20-13:30	Signature of the Berlin Declaration
13:30-15:00	Keynote Session Keynote 1: Prof. Dr. Chunli BAI, Member of CAS, Institute of Chemistry, CAS Keynote 2: Prof. Dr. Benjamin LIST ML, Max-Planck-Institute for Coal Research Q&A with the public Moderation: Prof. Dr. Tao ZHANG, Member of CAS, Dalian Institute of Chemical Physics, CAS Prof. Dr. Ferdi SCHÜTH ML, Max-Planck-Institute for Coal Research
15:00-15:30	Coffee Break

¹ Member of the Leopoldina



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15:30-16:30

Basic research – the core of innovation

Prof. Dr. Susan TRUMBORE ML, Max-Planck- Institute for Biogeochemistry

Prof. Dr. Zhonglin WANG, Foreign Member of CAS, Beijing Institute of Nanoenergy and Nanosystems

Moderation:

Prof. Dr. Katharina KOHSE-HÖINGHAUS ML, Bielefeld University

Prof. Dr. Suojiang ZHANG, Member of CAS, Institute of Process Engineering, CAS

16:30-17:00

Coffee Break

17:00-18:15

The promise of carbon neutrality: Where do we stand with new and old technologies? What does it take to achieve carbon neutrality in China and Germany?

Prof. Dr. Bojie FU, Member of CAS, Research Center for Eco-Environmental Science, CAS

Prof. Dr. Veronika Grimm, University of Technology Nuremberg

Prof. Dr. Zhengtang GUO, Member of CAS, Institute of Geology and Geophysics, CAS

Prof. Dr. Ottmar EDENHOFER ML, Potsdam Institute for Climate Change Impact (PIK)

Moderation:

Prof. Dr. Harald FUCHS ML, University of Münster

Prof. Dr. Shuhong YU, Member of CAS, University of Science and Technology of China

18:15-18:30

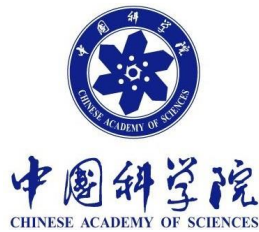
Closing remarks

Prof. Dr. Jianguo HOU, President of the Chinese Academy of Sciences (CAS) (tbc)

Prof. (ETHZ) Dr. Gerald HAUG ML, President of the German National Academy of Sciences Leopoldina

19:30

Dinner: Organizing Committee and Speakers

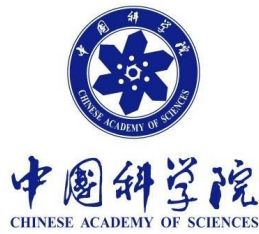


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Wednesday, 30.10.2024

Day 2: 9:00-15:30

- Venue: Berlin Adlershof Science City
Helmholtz-Zentrum Berlin für Materialien und Energie,
Albert-Einstein-Straße 15, 12489 Berlin
- 09:00-09:10 **Opening remarks**
CHN: n.n.
Dr. Ruth NARMANN, German National Academy of Sciences Leopoldina
- 09:10-09:40 **Keynote Speech**
Prof. Dr. Klaus VON KLITZING ML, Max Planck-Institute for Solid State Research
Moderation: n.n.
- 09:40-11:10 **Research for the future**
Young Scientists' Session
Prof. Dr. Hang SU, Institute of Atmospheric Physics, CAS
Prof. Dr. Chenli LIU, Shenzhen Institute of Advanced Technology, CAS
Prof. Dr. Xianfeng Li, Dalian Institute of Chemical Physics, CAS
Prof. Dr. Jingbi YOU, Institute of Semiconductors, CAS
Dr. Yaxiang LU, Institute of Physics, CAS
(GER:) n.n.
Moderation: n.n.
Prof. Dr. Shuli NIU, Institute of Geographic Sciences and Natural Resources Research, CAS
- 11:10-11:30 Coffee Break



Leopoldina
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der Wissenschaften

11:30-13:00

Innovation, translation, application – promising new technologies

Prof. Haisheng Chen, Institute of Engineering Thermophysics

Prof. Dr. Hans-Martin HENNING, Fraunhofer Institute for Solar Energy Systems ISE

Prof. Dr. Wei WEI, Shanghai Advanced Research Institute, CAS

Prof. Dr. Martin WINTER, University of Muenster

Moderation:

Prof. Dr. Rolf-Dieter HEUER ML, CERN, European Organization for Nuclear Research

Prof. Dr. Huiming CHENG, Member of CAS, Shenzhen Institute of Advanced Technology, CAS

13:00-14:00

Lunch

14:00-15:30

Market conditions and policies – the necessity for global cooperation

Prof. Dr. Andreas LÖSCHEL, Ruhr-Universität Bochum

Prof. Dr. Weiqiang CHEN, Institute of Urban Environment, CAS

Prof. Dr. Karen PITTEL, ifo Institute – Leibniz Institute for Economic Research

Prof. Dr. Pu WANG, Institutes of Science and Development, CAS

Moderation:

Prof. Dr. Christoph M. SCHMIDT ML, Leibniz Institute for Economic Research

Prof. Dr. Buxing HAN, Member of CAS, Institute of Chemistry, CAS

Wrap-up and Outlook

Prof. Dr. Tao ZHANG, Member of CAS, Dalian Institute of Chemical Physics (tbc)

Prof. Dr. KOHSE-HÖINGHAUS ML, University of Bielefeld