

AI for SDGs - How Can AI Help Solve Environmental Challenges?

Japanese - German - French Conference

October 24, 2019

German Cultural Centre, 7-5-56 Akasaka, Minato-ku, Tokyo

09:30-10:00 Registration

10:00-10:15 Opening Remarks & Greetings

Dorothea MAHNKE, Director, German Centre for Research and Innovation (DWIH Tokyo)
Ina LEPEL, Ambassador-Designate of the Federal Republic of Germany in Japan
Laurent PIC, Ambassador of France to Japan
Dr. Yoshimasa GOTO, Vice President, Japan Science and Technology Agency (JST)

10:15-11:15 Session 1: National AI Strategies & Environmental Challenges: How to Implement?

Chair: Dr. Yuko HARAYAMA, Former Executive Member of the Council for Science and Technology Policy, Cabinet Office, Government of Japan; Professor Emeritus, Tohoku University

Dr. Kotaro KAWAMATA, Director, Environmental Policy Bureau, Ministry of the Environment, Government of Japan

Dr. Lothar MENNICKEN, Councillor, Science and Technology, Embassy of the Federal Republic of Germany in Japan

Renaud FRANCOU, Foresighter, Author, Former Project Manager at Fondation Internet Nouvelle Génération (FING), France

(Q&A 15 min)

11:15-11:30 Coffee Break

11:30-13:00 Session 2: AI Applications to Tackle Climate Change – Part I Sustainable Land Use & Smart Agriculture

Chair: Prof. Dr. Wolfgang KETTER, Director of the Institute of Energy Economics and Chaired Professor of Information Systems, University of Cologne

Prof. Frédérick GARCIA, INRA research director, MIA (Applied Mathematics and Informatics), INRA, Toulouse

Dr. Eisaku SHIRATANI, Vice President, National Agriculture and Food Research Organization (NARO), Japan

Prof. Dr.-Ing. Cornelia WELTZIEN, Director, Leibniz Institute for Agricultural Engineering and Bioeconomy (ATB); Professor, Technical University Berlin (TUB)

(Q&A 30 minutes)

13:00-14:15 *Lunch (sustainable catering / “mottainai catering”)*

**14:15-15:45 Session 3: AI Applications to Tackle Climate Change – Part II
Smart Cities & Smart Homes**

Chair: Prof. Dr. Arisa EMA, Assistant Professor, Institute for Future Initiatives,
The University of Tokyo

Prof. Dr. Wolfgang KETTER, Director of the Institute of Energy Economics and Chaired
Professor of Information Systems, University of Cologne

Prof. Christophe CÉRIN, Professor in Computer Science and Engineering, LIPN, CNRS
UMR 7030, Université Paris 13

Prof. Dr. Masaru YARIME, Associate Professor, Division of Public Policy, Hong Kong
University of Science and Technology; Visiting Associate Professor, Graduate School
of Public Policy, The University of Tokyo

(Q&A 30 minutes)

15:45-16:15 *Coffee Break*

**16:15-18:00 Panel discussion: AI Game Changers for the Earth – Challenges,
Risks & Future Opportunities**

Chair: Prof. Christophe CÉRIN, Professor in Computer Science and Engineering,
LIPN, CNRS UMR 7030, Université Paris 13

Jochen SCHWILL, CEO, NEXT Kraftwerke, Germany
Hirobumi WADA, General Manager, Office of Digital Innovation Promotion, Tohoku
Electric Power Co., Inc.

Dr. Peter HOFFMANN, Senior Scientist, Climate Service Center Germany (GERICS),
Helmholtz-Zentrum Geesthacht

Prof. Dr. Bahareh KAMRANZAD, Assistant Professor, The Hakubi Center for Advanced
Research and Graduate School of Advanced Integrated Studies in Human
Survivability, Kyoto University

Prof. Dr. Jean-Pierre VILOTTE, Scientific Deputy for Intensive Computing and Data at
the CNRS-INSU ; Director of the Parallel Computing and Data Analysis Centre at
Institute de Physique du Globe de Paris

18:00-18:15 Concluding Remarks

Prof. Dr. Arisa EMA, Assistant Professor, Institute for Future Initiatives, The University
of Tokyo

19:00 *Reception*