

International Symposium of Shinshu University COI Center Towards the Environmental Era

Date / Venue / Language

Date & Time	2021.11.30(Tue) 13:00-17:25 (Open 12:00) (Japan Time)
Venue	Online Live Streaming (Zoom Webinar)
Language	English and Japanese (Simultaneous Interpretation)

Program

13:00	Opening Remarks <ul style="list-style-type: none">●Soichiro Nakamura (President of Shinshu Univ.)●Shuich Abe (Governor of Nagano Prefecture)
13:05	Guest Remarks <ul style="list-style-type: none">●Mutsuko Inoue (Director of Research and Development Infrastructure Division, Science and Technology Policy Bureau, Ministry of Education)●Ali Alanazi (Cultural Attaché of Royal Embassy of Saudi Arabia-Cultural Office)●Hiroshi Komiyama (Chairperson of the COI STREAM Governing Committee / Chairman of the Institute Mitsubishi Research Institute, Inc.) Remarks by Participating Institutions <ul style="list-style-type: none">●Hideshi Nakatsu (Vice President and Executive Officer of Hitachi, Ltd. / CEO of Water & Environment Business Unit)●Koichi Abe (Executive Vice President and Representative Member of the Board of Toray Industries, Inc.)●Hiroyuki Onishi (Executive Officer, Executive Vice President of LIXIL Corporation)
13:30	Project Outline <ul style="list-style-type: none">●Makoto Onishi (Project Leader / CTO of Water & Environment Business Unit, Hitachi, Ltd.)
13:45	Report (Development of Advanced RO membranes and modules) <ul style="list-style-type: none">●Morinobu Endo (Research Leader / Shinshu Univ.), Shogo Tejima (RIST) / Wongwiriyan Winadda (King Mongkut's Institute of Technology Ladkrabang) "Advanced RO membranes and modules made with crosslinked aromatic polyamide-carbon nanotube or -cellulose nanofiber nanocomposites for green desalination and new POU uses"●Kotaro Kitamura (Hitachi, Ltd.), Norihiro Takeuchi (Toray Industries, Inc.), Jun Kikuchi (RIKEN), Kenji Takeuchi (Shinshu Univ.) "Verification of CNT/PA composite RO membrane for seawater desalination"
14:30	< Short Breake / Video Screening >

- 14:40 **Report (Improving the Water Environment in East Africa)**
●**Junichi Yoshitani** (Shinshu Univ.)
“Towards securing safe and clean drinking water in East Africa”
●**Katsuya Teshima** (Sub Research Leader, Shinshu Univ.)
“Shindai Crystal with SWEE”
●**Mutsumi Kimura** (Sub Research Leader, Shinshu Univ.)
“Development of Separation/Sensing Devices using Nanomaterials”
●**Demonstration cases in Tanzania**
- 15:25 **Report (COI-Satellite)**
●**Keiko Takahashi** (Research Leader of COI-S / JAMSTEC)
“Future Projection of Water General Circulation with Atmosphere-Ocean-Geosphere-coupled Simulator”
- 15:45 **Report (Platform)**
●**Shinjiro Ueda** (Chairman of AxC Platform, Shinshu Univ.)
“Outlook of Aqua nexus Carbon Platform”
- 15:55 < Short Break / Video Screening >
- 16:10 **Cooperation with Overseas Organizations**
“Seawater Desalination and Green Saudi Initiative”
●**Ali Alanazi** (Royal Embassy of Saudi Arabia-Cultural Office)
●**Walaa Alsanie** (Taif Univ.)
●**Abdulrahman I. AlKassem** (Islamic Univ. of Madinah.)
●**Mohammed Al-Namazi** (SWCC/DTRI)
- 16:40 **Special Lecture**
●**Masaru Kurihara** (Fellow of Toray Industries, Inc.)
“Rapidly-growing Seawater Desalination and the Challenges to New Technical Issues”
- 17:10 **General Comment**
●**Masaaki Mizuno** (Vice Principal Visionary Leader of COI STREAM / Visionary Leader of COI STREAM V3 / Clinical Professor of Nagoya Univ.)
- 17:15 **Greetings**
●**Kozo Takahashi** (Sub Project Leader / Toray Industries, Inc.)
- 17:20 **Closing Remarks**
●**Yoshihiko Amano** (Vice-president of Shinshu Univ. / Dean of Faculty of Engineering)

Online Exchanging Meeting / Online Poster Session

- 17:30 **Exchanging Meeting / Poster Session** (Zoom Breakout room)