



Institute of Innovative Research

Laboratory for Zero-Carbon Energy Launch Symposium



東京工業大学
科学技術創成研究院
Institute of Innovative Research



Tokyo Tech Global Webinar

Achieving Carbon-Neutral Society with Zero-Carbon Energy Sources

The Laboratory for Zero-Carbon Energy was established on June 1, 2021, reorganized from the former Laboratory for Advanced Nuclear Energy, Institute of Innovative Research. The lab's missions are promoting industry-government-academia cooperation and collaborations with local communities as well as with international research institutes; identifying issues in developing sustainable energy systems; and pushing research and development to help solve such issues. It is our pleasure to invite you to a launch symposium as an opportunity to celebrate the launch together and to share the challenges in bringing about future energy society and achieving our missions in solving those challenges. We appreciate your cooperation and look forward to seeing you at the symposium.



Online
(Zoom webinar)

Tuesday, August 31, 2021
15:00 – 17:00 (Japan time)

Schedule

Language: Japanese (Japanese to English simultaneous interpretation will be provided.)

15:00	Opening Remarks	Kazuya Masu , President of Tokyo Institute of Technology
15:05	Complimentary Addresses	1) TBA Research Promotion Bureau, Ministry of Education, Culture, Sports, Science and Technology 2) Akira Yoshino , Director of Global Zero Emission Research Center, National Institute of Advanced Industrial Science and Technology (AIST)
15:15	Congratulatory Speech	Jacopo Buongiorno , TEPCO Professor of Nuclear Science and Engineering at the Massachusetts Institute of Technology (MIT)
15:25	Speech by the Director	Kenji Takeshita , Director of the Laboratory for Zero-Carbon Energy “Launch and Roles of the Laboratory for Zero-Carbon Energy”
15:35	Break	
15:45	Special Speeches	1) Kenji Yamaji , President/Director-General, Research Institute of Innovative Technology for the Earth (RITE) “A Future Shaped with Zero-Carbon Energy” 2) Takao Kashiwagi , Director of Tokyo Institute of Technology Solution Research Center for Advanced Energy Systems “Carbon Energy and Regional Redevelopment Initiatives Led by Industry Liaison”
16:20	Panel Discussion	“Research and Development toward Building Zero-Carbon Energy Systems” Panels: Kenji Yamaji, Takao Kashiwagi, Kenji Takeshita Moderator: Yukitaka Kato , Vice Director of the Laboratory for Zero-Carbon Energy
16:55	Closing Remarks	Osamu Watanabe , Executive Vice President for Research, Tokyo Institute of Technology



Please register your participation at:

https://us06web.zoom.us/webinar/register/WN_3T3hAJnGTKG-1LSLfEn92w

Registration deadline: Tuesday, August 24, 2021



Tokyo Tech

Speakers



Kenji Yamaji: President/Director-General, Research Institute of Innovative Technology for the Earth (RITE). He graduated and was awarded his degree of Doctor of Engineering from The University of Tokyo. He joined Central Research Institute of Electric Power Industry (CRIEPI) in 1977, and was appointed to Professor, Department of Electrical Engineering, School of Engineering, The University of Tokyo in 1994 and is Professor Emeritus, The University of Tokyo since 2010. He was a Council Member of the Science Council of Japan (SCJ), and Research Supervisor, Japan Science and Technology Agency (JST). His academic field is Energy Systems Engineering and has published more than 100 peer reviewed academic papers, around 100 books including ten single authored books, and also the Lead Author for 3rd and 4th Assessment Reports of IPCC.



Takao Kashiwagi: After obtained his Ph.D. while studying the effects of heat transfer of critical air flow, Prof. Kashiwagi had long engaged in teaching at his old university, Tokyo Institute of Technology, and others. As the AES Center Director, he is leading its works with major companies involved in the energy sector to perform empirical studies and develop fundamental technologies that enable next-generation energy power generation. His service to numerous Government committees includes, Chairman, New Energy Subcommittee of the Ministry of Economy Trade and Industries, Japan (METI), Chairman, Advisory and Assessment Committee for Fuel Cell at the Japanese Government Cabinet Office, and Member of the Science and Technology Expert Committee.



Kenji Takeshita: Doctor of Engineering (Nuclear Engineering), Tokyo Tech., 1987; Senior Researcher, Institute of Research and Innovation, 1987-1996; Associate Professor, Dept. of Environ. Sci. Technol., Tokyo Tech.; 1996-2002, Associate Professor, Chemical Resource Laboratory, 2002-2010; Professor, Research Laboratory for Nuclear Reactors, 2010-2016; Professor, Laboratory for Advanced Nuclear Energy, 2016-2018; Director, Laboratory for Advanced Nuclear Energy, 2018-2021; Director, Laboratory for Zero Carbon Energy, 2021-Present.

Laboratory Partner

The MIT Center for Advanced Nuclear Energy Systems (CANES) and the Tokyo Tech Center for Research into Innovative Nuclear Energy Systems (CRINES), a predecessor of the Laboratory for Zero-Carbon Energy, signed an agreement on academic and research cooperation in the field of nuclear energy in 2008. Various collaborative activities have been conducted under the agreement, including joint symposia and exchanges of researchers and students.



Jacopo Buongiorno: Jacopo Buongiorno is the TEPCO Professor of Nuclear Science and Engineering at the Massachusetts Institute of Technology (MIT), and the Director of Science and Technology of the MIT Nuclear Reactor Laboratory. Jacopo has published 90 journal articles in the areas of reactor safety and design, two-phase flow and heat transfer, and nanofluid technology. Jacopo is the Director of the Center for Advanced Nuclear Energy Systems (CANES). In 2016-2018 he led the MIT study on the Future of Nuclear Energy in a Carbon-Constrained World. He is also a Fellow of the American Nuclear Society, a member of the Accrediting Board of the National Academy of Nuclear Training, and served on the Secretary of Energy Advisory Board (SEAB) Space Working Group.



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