



Kyushu-Illinois Strategic Partnership Colloquia Series Kick-off Theme : Go Beyond Net Zero – CO₂ Capture and Utilization –

Date / Time:

18:00-20:00, Monday, February 1, 2021 (USA Central)

9:00-11:00, Tuesday, February 2, 2021 (Japan Standard Time)

Please join us for this exciting workshop highlighting the collaborative relationship between the University of Illinois Urbana-Champaign (Illinois) and Kyushu University (Kyushu) faculty on the development of global CO₂ recycling technology towards “beyond-zero” emission. This effort is within the framework of the Moonshot Program in I²CNER at Kyushu University funded by the New Energy and Industrial Technology Development Organization (NEDO) of Japan. This event will be the first in a series of colloquia scheduled for 2021.

Registration

https://zoom.us/webinar/register/WN_52ISvW_WSuK9aISgYYYXDQ



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MOONSHOT
RESEARCH & DEVELOPMENT PROGRAM



Inquiry / Contact:

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Kyushu-Illinois
Strategic Partnership Colloquia Series
Kick-off Theme :
Go Beyond Net Zero
– CO₂ Capture and Utilization –



2-Feb Tuesday JST	1-Feb Monday USA Central	Title	Speaker
9:00-9:05	18:00-18:05	Opening Remarks	Toshiyuki Kono, Executive Vice President for International Affairs, Professor of Law, Kyushu University
9:05-9:10	18:05-18:10	Opening Remarks	Reitumetse Mabokela, Vice Provost for International Affairs and Global Strategies, Illinois Susan Martinis, Vice Chancellor for Research and Innovation, Stephen G. Sligar Professor of Molecular and Cellular Biology, Illinois
9:10-9:15	18:10-18:15	Development of Global CO ₂ Recycling Technology towards "Beyond-Zero" Emission"	Shigenori Fujikawa, WPI Principal Investigator, Associate Professor International Institute for Carbon-Neutral Energy Research (WPI-I ² CNER), Kyushu University
9:15-9:20	18:15-18:20	Towards Carbon-Neutral Chemical Manufacturing	Paul J. A. Kenis, Elio Eliakim Tarika Endowed Chair in Chemical Engineering, Department of Chemical and Biomolecular Engineering, Illinois
9:20-9:40	18:20-18:40	Membrane-based Direct Air Capture: A New Concept for Distributed CO ₂ Capture and Utilization	Roman Selyancyn, Assistant Professor, International Institute for Carbon-Neutral Energy Research (WPI-I ² CNER), Kyushu University
9:40-10:00	18:40-19:00	Interrogating Dynamic Surface Intermediates at the Electrochemical Interface via Versatile Redox Nano-Titrations	Joaquin Rodriguez-Lopez, Associate Professor, Department of Chemistry, Illinois
10:00-10:20	19:00-19:20	Measuring environmental, social, and governance impacts of DAC-U system: an integrated assessment method	Alexander Ryota Keeley, Assistant Professor, Technology and Policy Department of Urban and Environmental Engineering, Kyushu University
10:20-10:40	19:20-19:40	Electrifying chemical and environmental separations through advanced materials design	Xiao Su, Assistant Professor, Department of Chemical and Biomolecular Engineering, Illinois
10:40-10:55	19:40-19:55	Panel Discussion	All presenters
10:55-11:00	19:55-20:00	Closing Remarks	Petros Sofronis James W. Bayne Professor International Institute for Carbon-Neutral Energy Research, Director Department of Mechanical Science and Engineering



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