

Thai–Japan Green Hydrogen I2CNER Symposium

Dear Colleagues,

We hope this message finds you well.

It is our pleasure to announce the Thai–Japan Green Hydrogen I2CNER Symposium, a joint international symposium organized by two projects selected under the NEXUS Japan–Thailand “Green Technology” Research Area.

This symposium will bring together principal investigators from Japan and Thailand to present recent research achievements, share perspectives, and discuss future directions in the field of green hydrogen. Through in-depth discussions and interaction among researchers, the event aims to strengthen collaboration and foster scientific synergy between the two projects.

We would be honored by your participation and sincerely hope you will be able to join us for this valuable opportunity for exchange.

【Organizers】

International Institute for Carbon-Neutral Energy Research (WPI-I2CNER)
Center for Energy System Design (CESD)

【Date and Venue】

Dates: March 26 (Thursday) – March 27 (Friday), 2026

Venue: Large Hall, 1st Floor, I2CNER Building 1, Ito Campus, Kyushu University

【Program Overview】

Thursday, March 26

11:00 – 12:00 Site Visit (Program Officers, Advisors, JST representatives)

13:00 – 17:10 Joint International Symposium (Maeda Project)

Friday, March 27

10:00 – 11:00 Kyushu University Campus Tour

11:00 – 13:00 Poster Session & Networking lunch meeting (Standing Buffet)

13:00 – 16:10 Joint International Symposium (Inada Project)

【Program Details】

Thursday, March 26

Time	Speaker	Affiliation	Title
13:00	Susumu Kuwabata	Osaka University	Opening Remarks
13:05	Tatsumi Ishihara	WPI-I2CNER, Kyushu University	Introduction of WPI-I2CNER
13:20	Miki Inada	WPI-I2CNER, Kyushu University	Overview of NEXUS Project (Inada Project)
13:30	Nobutaka Maeda	WPI-I2CNER, Kyushu University	Overview of NEXUS Project (Maeda Project)
13:40	Kaewta Jetsrisuparb	Khon Kaen University	Modified nickel electrodes for urea oxidation
14:05	Manunya Okhawilai	Chulalongkorn University	Bipolar Membrane for Electrolysis
14:30	Break		
14:40	Mai Tomisaki	WPI-I2CNER, Kyushu University	Efficient Production of Hydrogen from Water Electrolysis Using Iodine Redox Species
15:05	Sanchai Kuboon	National Nanotechnology Center	Biogas Upgrading to Hydrogen via Dry Reforming of Methane and Its Techno-Economic Perspectives for Thailand
15:30	Jesper Knijnenburg	Khon Kaen University	Transforming locally sourced biomass into sustainable solutions for agri-food applications
15:55	Daniel Doijnstee	WPI-I2CNER, Kyushu University	Modulation Excitation Spectroscopy for Catalysis Research
16:20	Pongkarn Chakthranont	National Nanotechnology Center	Electrochemical valorization of CO ₂ and biomass to high-value chemicals
16:45	Junji Hyodo	WPI-I2CNER, Kyushu University	Proton-conducting materials development for intermediate-temperature-operating solid state electrochemical cells

Friday, March 27

Poster Session: 11:00-13:00

Time	Speaker	Affiliation	Title
13:00	Yutaka Ohsaki	WPI-I2CNER, Kyushu University	H ₂ formation system combining inorganic photocatalyst and whole-cell biocatalyst
13:25	Visarn Lilavivat	ENTEC	Building a Collaborative Ecosystem for Thailand's Hydrogen Future: H ₂ Harmony Hub
13:50	Pornpan Panichnumsin	BIOTEC	Enhancing Bio-hydrogen Production in Dark Fermentation of Cassava Pulp through an AI-guided Model
14:15	Konlayutt Punyawudho	Chiang Mai University	Hydrogen Technology Research at Chiang Mai University: Advanced Materials and Catalysis
14::40	Break		
14:50	Motonori Watanabe	WPI-I2CNER, Kyushu University	tbd
15:15	Saeid Akrami	WPI-I2CNER, Kyushu University	tbd
15:40	Nobutaka Maeda	WPI-I2CNER, Kyushu University	Hydrogen Bonding Caught in Action: In Situ ATR-IR Spectroscopic Monitoring of Solid-Liquid Chiral Interfaces
16:05	Makoto Ue	Waseda University	Closing Remarks