



November 27 (Friday), 2020 **On-line**



The 4th Workshop on Kyoto University - Mahidol University On-site Laboratory

Symposium Participation Fee: **Free of Charge**

The Online Symposium is open for everyone to join. Please register on the symposium website (link below) by Nov 23.
<https://forms.gle/Du2eT9wsCV6E6QSJ6>

Then, we will provide detailed information on how to participate in the symposium later (Zoom Link, etc.).

Program

Japan	Thai	Contents
Part I Participant Self-introduction and Parallel Sessions		
10:50-11:00	8:50-9:00	Opening Remarks & Introduction of Participants Shigeo FUJII (GSGES, KU)
Room1: Parallel session 1 <Environmental Engineering> Chaired by Trakarn Prapasongsa (Fac. Eng., MU) and Nishimura Fumitake (GS Eng., KU)		
Introduction of Research Activities from Mahidol University		
11:00-11:05	9:00-9:05	Water Innovation: Improvement of Septic Tanks and Nutrient Removal Nawatch Surinkul (Fac. Eng., MU)
11:05-11:10	9:05-9:10	Emerging Contaminants and Microplastics in Thailand Suwanna Kitpati Boontanon (Fac. Eng., MU)
11:10-11:14	9:10-9:14	Mathematical Modeling of Air, Noise and Vibrations Pollution resulting from Yangon Outer Ring Road Construction (Eastern Section) in Myanmar Ranjna Jindal (Fac. Eng., MU)
11:14-11:18	9:14-9:18	Tackle PM _{2.5} with Integrated Satellite Retrievals Arika Bridhikitti (Fac. Eng., Kanchanaburi, MU)
11:18-11:22	9:18-9:22	Reservoir Re-operation and Modeling in Thailand Areeya Rittima (Fac. Eng., MU)
11:22-11:26	9:22-9:26	Flood Modelling and Mitigation Measures in Thailand Kritsanat Surakit (Fac. Eng., MU)
11:26-11:30	9:26-9:30	Life Cycle Impact Assessment: Methodology Development for Thailand Trakarn Prapasongsa (Fac. Eng., MU)
Introduction of Research Activities from Kyoto University		
11:30-11:35	9:30-9:35	Environmental Risk Analysis in GSE of Kyoto University Today Minoru Yoneda (GS Eng., KU)
11:35-11:40	9:35-9:40	Water Supply System and its Perspectives Sadahiko Itoh (GS Eng., KU)
11:40-11:45	9:40-9:45	Towards Effective Energy Use of Waste Biomass Kazuyuki Oshita (GS Eng., KU)
11:45-11:50	9:45-10:50	Environmentally-Friendly Industries for Sustainable Development in Graduate School of Global Environmental Studies Shuhei Tanaka (GSGES, KU)
11:50-11:55	9:50-9:55	Integrated Assessment Modeling for Climate Change Mitigation Strategies Shinichiro Fujimori (GS Eng., KU)
11:55-12:00	9:55-10:00	Regional Resource and Energy Circulation at Wastewater Treatment Plants with Anaerobic Co-Digestion Taira Hidaka (GS Eng., KU)
12:00-12:10	10:00-10:10	Discussion About Joint Research after the Introductions from Both Universities
12:10-12:20	10:10-10:20	Discussion Regarding Researcher and Student Exchanges
12:20-12:30	10:20-10:30	Organizing Issues for Realization of the Collaborations

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Room2: Parallel session 2 <Agriculture, Food, and Ecosystem> Chaired by Watcharra Chintakovid (Agricultural Science Prog. MU) and Mamoru Kanzaki (GS Agriculture . KU)		
11:00-11:15	9:00-9:15	Economically Important Insects and Pest Controls Chanarat Kaewmanee (Agricultural Science Prog., MU)
11:15-11:30	9:15-9:30	Biosensing Technology for Agricultural Science Khaliduzzaman Alin (GS Agriculture, KU)
11:30-11:45	9:30-9:45	Biodegradability of Polyester Amnat Jarerat (Food Technology Program, MU)
11:45-12:00	9:45-10:00	Studies on Connectivity of Hills, Humans and Oceans Masae Ishihara (Field Science Education and Research Center, KU)
12:00-12:30	10:00-10:30	Discussions
Room3: Parallel session 3 <Public Health> Chaired by Arthit Phosri (Fac. Public Health, MU) and Kouji Harada (GS Medicine, KU)		
11:00-11:15	9:00-9:15	The COVID-19 Surveillance System and its Situation in Thailand Thanarak Plipat (Department of Disease Control, MPH)
11:15-11:30	9:15-9:30	The Effects of Temperature On COVID-19 Transmission in Thailand Arthit Phosri (Fac. Public Health, MU)
11:30-11:45	9:30-9:45	Serological Tests for SARS-CoV-2 Coronavirus by Commercially Available Point-of-Care and Laboratory Diagnostics in Pre-COVID-19 Samples in Japan Zhaoqing Lyu (GS Medicine, KU)
11:45-12:00	9:45-10:00	Recent Activities For Environmental Surveillance of Sars-cov-2 in Japan Kouji Harada (GS Medicine, KU)
12:00-12:30	10:00-10:30	Discussions
Room4: Parallel session 4 <Chemical Engineering> Chaired by Sira Srinives (Fac. Eng., MU) and Noriaki Sano (GS Eng., KU)		
11:00-11:10	9:00-9:10	Educational Situation for Chemical Engineering at Mahidol University under COVID-19 Era, and Propose of Collaboration Research Sira Srinives (Fac. Eng., MU)
11:10-11:20	9:10-9:20	Integration of Atomistic, Industrial, And Artificial Intelligence-based Modeling into Chemical Engineering Design Poomiwat Phadungbut (Fac. Eng., MU)
11:20-11:30	9:20-9:30	Thermochemical Conversion Technologies for Production of Upgraded Biofuels, Biochemicals and High Value-added Materials Weerawut Chaiwat (Fac. Eng., MU)
11:30-11:45	9:30-9:45	Educational Situation for Chemical Engineering at Kyoto University Under COVID-19 Era, and Propose of Collaboration Research Noriaki Sano (GS Eng., KU)
11:45-11:52	9:45-9:52	Freeze-drying for Food and Drug Processing Kyuya Nakagawa (GS Eng., KU)
11:52-12:00	9:52-10:00	Development of Effective Utilization Method of Biomass Wastes Ryuichi Ashida (GS Eng., KU)
12:00-12:30	10:00-10:30	Discussions
12:30-14:30	10:30-12:30	Break (Group report making by coordinators)
Part II Plenary Session <Reports from 4 groups>		
14:30-14:50	12:30-12:50	Report from Environmental Engineering Trakarn Prapasongsa and Nishimura Fumitake
14:50-15:10	12:50-13:10	Report from Agriculture, Food, and Ecosystem Watcharra Chintakovid and Mamoru Kanzaki
15:10-15:30	13:10-13:30	Report from Public Health Arthit Phosri and Kouji Harada
15:30-15:50	13:30-13:50	Report from Chemical Engineering Sira Srinives and Noriaki Sano
15:50-16:20	13:50-14:20	Discussions Suwanna Kitpati Boontanon and Shigeo Fujii
16:20-16:30	14:20-14:30	Closing Remarks Suwanna Kitpati Boontanon