

● Trilateral Symposium on SDGs - 2022 Online Research Seminar -

2022 Sustainability & Technology Sessions

Pre-symposium for the Joint Symposium on Sustainable Development in Asia

2022/10/6 (Thu)

10:00-12:45(UTC+9, Japan)

9:00-11:45(UTC+8, Taiwan)

8:00-10:45(UTC+7, Thailand)

Presenters

Start Time	End Time	Name	Title	Affiliation	Faculty	Program	Presentation Title
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Opening Chair Hiroaki Matsumoto

10:00	10:05	Yoshihiro Suenaga (or Hiroaki Matsumoto)	Dean, Prof.	Kagawa University	Faculty of Design and Engineering	Architecture, Civil and Environmental Engineering	Opening Talks
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Session 1 Chair Chiung-Wu Su

10:05	10:20	Yoshifumi Suzuki	Professor	Kagawa University	Faculty of Design and Engineering	Advanced Materials Science	Fabrication of ZnO Films Using Atmospheric Pressure Cold Plasma at Various Substrate Temperatures
10:20	10:35	Yumi Matsuzaki	B4	Kagawa University	Faculty of Design and Engineering	Advanced Materials Science	Development of transparent antifouling super water repellent surface using chemically adsorbed monomolecular films
10:35	10:50	Hayato Miyagawa	Professor	Kagawa University	Faculty of Design and Engineering	Advanced Materials Science	Rietveld analyses of Eu-doped phosphor materials for Natural White-LED
10:50	11:05	Kosuke Bunya	M1	Kagawa University	Faculty of Design and Engineering	Advanced Materials Science	ESR and FTIR measurements of Dielectric SiN films - Annealing temperature dependence

Session 2 Chair Prof. Yoshifumi Suzuki

11:15	11:30	Chiung-Wu Su	Professor	National Chiayi University (NCYU)	Institute of Science and Engineering	Department of Electrophysics	Magneto-optical Faraday effect to investigate laser transmitted surface/interface properties
11:30	11:45	Yi-Pei Lai		National Chiayi University (NCYU)	Institute of Science and Engineering	Department of Electrophysics	Investigation of interface magneto-optical Faraday effect of carbon tetrafluoride plasma treatment on M-plane sapphire substrate with a cobalt ultrathin film
11:45	12:00	Tsuen-Shin Deng		National Chiayi University (NCYU)	Institute of Science and Engineering	Department of Electrophysics	Synchronous observation of electric field applied and Magneto-Optical Faraday Effect on a crossed ultrathin nickel films

Session 3 Chair Prof. Hayato Miyagawa

12:10	12:25	SIRICHA KOONAPHAPDEELERT	Associate Professor	Chiang Mai University	Faculty of Engineering	Department of Environmental Engineering	The prospectives of hydrogen utilization in Thailand aiming towards carbon neutrality goal
12:25	12:40	Sate Sampattagul	Associate Professor	Chiang Mai University	Faculty of Engineering	Department of Industrial Engineering	"DustBoy" Environmental Monitoring Systems for the Present and Beyond

Closing Chair Hiroaki Matsumoto

12:40	12:45	Hitoshi Inomo	Vice Dean, Prof.	Kagawa University	Faculty of Design and Engineering	Disaster and Crisis Management	Closing Remarks
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●● Session Organizers:

Kasemsak Uthaichana	Assistant Professor	CHIANG MAI UNIVERSITY (CMU)	Faculty of Engineering			-
Chiung-Wu Su	Professor	NATIONAL CHIAYI UNIVERSITY (NCYU)	Faulty of Science & Engineering			-
Hiroaki Matsumoto	Professor	KAGAWA UNIVERSITY (KU)	Faculty of Design and Engineering	Advanced Materials Science		-

URL

CHIANG MAI UNIVERSITY (CMU)	https://eng.cmu.ac.th/english/
NATIONAL CHIAYI UNIVERSITY (NCYU)	https://www.ncyu.edu.tw/eng/gradation.aspx?site_content_sn=9408
KAGAWA UNIVERSITY (KU)	http://www.kagawa-u.ac.jp/kagawa-u_ead/english/undergraduate-course/