



AIMR x CU Mini Symposium on Japan-Thailand Young Researcher Collaboration

February 27, 2026 at AIMR Seminar Room (2F), Katahira Campus, Tohoku University

13:00 – 13:10 Opening Remark
Wijak YOSPANYA

Early-Mid Career Researcher Forum

Chair: *Wijak YOSPANYA*

- 13:10 – 13:25 What Our Physiological Signals Tell Us About Quality of Life
Siwalee CHOILEK
- 13:25 – 13:40 My Computational Engineering Journey in Japan: From Urban Digital Twins to Quantum Computing Driven Topology Optimization
Naruethep SUKULTHANASORN
- 13:40 – 13:55 Continuous Flow Hydrothermal Synthesis of Metal Oxide Nanoparticles Toward Applications as Nanocatalysts and Oxygen Carrier
Akira YOKO
- 13:55 – 14:10 Localized Tumor Temperature Sensing via Nanothermometer Endoscopy
Farsai TAEMAITREE
- 14:10 – 14:25 Green Functional Materials and Device Engineering for Next-Generation Solar Cells and Safe Batteries
Rongrong CHEACHAROEN
- 14:25 – 14:40 Sintering and Interfacial Engineering of Garnet Oxide Solid Electrolytes for Lithium Metal Batteries
Eric Jianfeng CHENG

- 14:40 – 14:55 Maximizing Photon Economy for Solar Fuel Production Through Integrated Light and Thermal Energy Management Strategies
Chanon PORNRUNGROJ
- 15:00 – 16:00 Poster Presentation by Students & Postdocs and Coffee Break (AIMR Tea time, 5F Combination Room)
Phiralang MARBANIANG
Feungsiri JANKRAJANGJAENG
Wasinee SIRIFONGNUKUL
Ari ADRIANTO
Chinnatip HARNMANASVATE
Kritsakorn SITTHIASA
Farsai TAEMAITREE

Sakura Science Exchange Program Discussion

Chair: Qu Chen

- 16:10 – 16:50 Presentation by Chulalongkorn University Students & Postdocs on Their Experience During This Sakura Science Exchange Program

Special Lectures: Collaboration with Thailand

Chair: Farsai TAEMAITREE

- 16:50 – 17:10 Collaboration in Biological, Biochemical & Medical Research
Yoshikazu TANAKA
- 17:10 – 17:30 Collaboration in Chemistry, Material & Engineering Research
Hiromoto NISHIHARA
- 17:30 – 17:50 Collaboration in Earthquake, Tsunami & Disaster Research
Anawat SUPPASIRI
- 17:50 – 18:00 Closing Remark
Chanon PORNRUNGROJ