

International Symposium of the Institute of Industrial Nanomaterials (IS-IINa 2025)

March 6, 2025 (Thursday)

100th Anniversary Hall, Kurokami South Campus, Kumamoto University

Objective

At this symposium, we are honored to host two distinguished guests and one remarkable young researcher, all experts in surface analysis. They will present their exceptional yet distinct research areas: electrochemical STM observation of electrode surfaces under electrochemical control, solid/liquid interface analysis using photon-in/photon-out methods, and high-speed AFM observation of protein crystal surfaces. These surface analysis techniques, which allow the visualization of real surface structures at the atomic scale, are crucial not only for their respective fields but also for advancing the development of two-dimensional nanomaterials and cutting-edge semiconductor processes.

Program

Opening address

9:20-9:30 Professor Shintaro Ida, Director of IINa, Kumamoto University

Plenary Lecture

Chair: Professor M. Kunitake

9:30 - 10:30 Professor **Shuehlin Yau**, (姚學麟)

Department of Chemistry, National Central University, Taiwan, ROC

***“The Atomic and Molecular Structures of Well-defined Electrified Interfaces
– as Characterized by in situ Scanning Tunneling Microscopy”***

Plenary Lecture

Chair: Associate Professor S. Yoshimoto

10:30 - 11:30 Professor **Ichizo YAGI**, (八木一三)

Faculty of Environmental Earth Science, Hokkaido University

“Photon-In/Photon-Out Methods to Analyze Solid/Liquid Interfaces”

Break 11:30 - 11:40

Invited Lecture

Chair: Associate Professor S. Yoshimoto

11:40 - 12:10 Assistant Professor **Kosuke Kikuchi**, (菊池 幸祐)

School of Life Science and Technology, Institute of Science Tokyo

“Protein assembly engineering coupled with high-speed atomic force microscopy”

Lunch break 12:10 - 13:55

Oral Presentation Session of the "IINa Domestic Collaborative Projects" 13:55-17:20

Closing Remarks 17:20