

Joint Conference of 25th Workshop on Fine Particle Plasmas (WFPP25) and Workshop on Plasma New Frontier

第25回微粒子プラズマ研究会/プラズマ新領域研究会

Date: 16th Jan. (Sat) - 17th Jan., 2025 (Sun)

Venue: 16th Jan NIFS Room 402, 17th NIFS 601

zoom room

Online: <https://zoom.us/j/96499662875?pwd=PMfa324ZmwbIMSejhFEISnNYYGV4XR.1>

meeting ID: 964 9966 2875

pass code: 962614

Plenary talk: total 40 min (25min presentation + 15 min discussion)

Invited talk: total 30 min (20min presentation + 10 min discussion)

PROGRAM

Time	Day 1 (16th Jan. 2025)
Tokyo	
13:20	Opening
13:30	PN-1 Interface Engineering and Size Distribution Control for Green Emitting InP Colloidal Semiconductor Nanoparticles Akihito Okamoto (Osaka University, Japan)
14:10	INV-1 Python Programming for Measurement and Analysis of Mie-scattering Ellipsometry in Fine-particle Plasma Yasuaki Hayashi (Yamato University, Japan)
14:40	INV-2 Reduction of Compressive Stress of Carbon Films by Depositing Carbon Nanoparticles Kazunori Koga (Kyushu University, Japan)
15:10	Break (10 min)
15:20	PN-2 Recent studies of fine particles in fusion devices Suguru Masuzaki (NIFS, Japan)
16:00	INV-3 Tatsuya Kobayashi (NIFS, Japan)
16:30	INV-4 Application of a Plasma Process for an Innovative Ceramic Material – A New Magnetic Insulator Naoto Yamashita (Kyushu University, Japan)
17:00	INV-5 Plasma-catalyst-zeolite system for high efficiency methanation Susumu Toko (Osaka University, Japan)
17:30	Break (10 min)
17:40	Poster Session (On-site only) (60 min)
	PO-1 Nanoparticle synthesis of Heteroatoms-Doped tantalum nitride nanoparticles by induction thermal plasma Kawen Zhang (Kyushu Univ.)
	PO-2 Droplet Behavior Analysis in Plasma in Plasma-Assisted Mist CVD Kosuke Takenaka (Osaka University, Japan)
	PO-3 Investigation of substrate bias voltage effects on the structural changes of a-C:H films using cumene PECVD method Manato Eri (Kyushu University, Japan)
	PO-4 Crystallinity evaluation of solid electrolyte LiLaZrO thin film for all-solid-state lithium-ion battery applications Keigo Terada (Meijo University, Japan)
	PO-5 Ge/LiAlGePO composite films deposited by co-sputtering process for Li-ion battery anodes Daiki Fujikake (Meijo University, Japan)
	PO-6 Effects of LiPON or C cover on lithium-ion battery performance with silicon particle anode Ryuta Murase (Meijo University, Japan)
18:40	Transport to Banquet
19:00	Banquet
	Day 2 (17th Jan., 2025)
9:10	Zoom open
9:30	PN-3 Chemical Synthesis of High-Entropy Nanomaterials and their Catalytic Properties

Kohei Kusada (Kyoto University, Japan)

10:10 INV-6 Low-Temperature Synthesis of Silicon Nitride Thin Films via SiH₄+N₂:Controlling SiN_x Nanoparticle Growth in Multi-Hollow Plasma CVD
Masaharu Shiratani (Kyushu University, Japan)

10:40 Bbreak (10 min)

10:50 INV-7 Evaluation of Charge on a Microparticle in Plasma Using an Optical Tweezers Method
Kosei Iguchi (Kyushu University, Japan)

11:20 INV-8 Synthesis of SiSnGe ternary nanostructured film in high-pressure He sputtering
Giichiro Uchida (Meijo University, Japan)

11:50 Closing