

Program of the 4th International Diamond Device Workshop, 2025

2025-02-21					
Morning Session (Online only)					
Presentation no.	Start time	End time	Title	Author	Affiliation
	9:50	10:00	Introduction	Makoto Kasu	Saga University, Japan
1-I1	10:00	11:00	Diamond Devices and Interface	Robert Nemanich	Arizona State University
1-I2	11:00	11:30	Recent Progress of High-Voltage High-Power Diamond MOSFETs	Niloy Chandra Saha and Makoto Kasu	Saga University, Japan
1-I3	11:30	12:00	Electron Beam Lithography Technology for Diamond RF Device	Masanori Eguchi	Saga University, Japan
Noon Session (Hybrid model)					
2-I4	13:00	13:20	Saga Prefecture Renewable Energy Innovation Co-Creation Platform (CIREn) Initiatives	Shin Hirayama	Saga University, Japan
2-I5	13:20	13:50	Progress and future prospects of diamond polishing	Hideo Aida	Nagaoka University of technology, Niigata, Japan
2-I6	13:50	14:20	Wafer-Bonding-Based Low-Thermal-Resistance GaN-on-Diamond HEMTs	Naoteru Shigekawa	Osaka Metropolitan University, Japan
Break					
2-I7	14:30	15:00	Diamond Semiconductor Development at JAXA Space Development	Atsushi Tomiki	JAXA, Japan
2-I8	15:00	15:30	Wireless Power Transmission Technology at Saga University	Takayuki Tanaka	Saga University, Japan
Break					
2-P1	15:45	16:00	Stress Control in Heteroepitaxial Diamond Growth on Ir (001)/MgO (001) Substrates	Changda He	Nagaoka University of technology, Niigata, Japan Aoyama Gakuin University, Japan
2-P2	16:00	16:15	Fabrication of diamond RF Devices	Yoshiki Muta	Saga University, Japan
2-P3	16:15	16:30	High voltage high speed diamond MOSFET	Tomiki Shiratsuchi	Saga University, Japan
2-P4	16:30	16:45	Elucidation of Ga ₂ O ₃ SBD Defects	Yuto Otsubo	Saga University, Japan