



7th IEEE Electron Devices Technology and Manufacturing (EDTM) Conference 2023

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35A. Power Devices and Widebandgap Heterostructures (2)	
Session Date:	March 9(Thu.), 2023
Session Time:	14:45-16:20
Session Room:	Room A (#301)
Session Chair:	Prof. Hyemin Kang (Korea Institute of Energy Technology)
	Prof. Wataru Saito (Kyushu University)

[35A-1] [Invited] 14:45-15:10

Ultrawide Bandgap CMOS Platform for Heterogenous Power Integration

Saravanan Yuvaraja and Xiaohang Li

King Abdullah University of Science and Technology

[35A-2] [Invited] 15:10-15:35

Transfer Printed Power Electronics Based on β -Ga₂O₃ and Diamond Membranes

Edward Swinnich, Yixiong Zheng, Junyu Lai and Jung-Hun Seo

The University at Buffalo

[35A-3] 15:35-15:50

Novel Trench Type Complementary LIGBTs with Common Double Drift Layers for Simple Process and Improvement in Switching Characteristics

Zijian Zhang, Qi Tang, Suyang Liu and Masahide Inuishi

Waseda University

[35A-4] 15:50-16:05

The Study of Dislocation Propagation in Si Wafer during IGBT High Thermal Budget Process

Jiuyang Yuan, Yoshiji Miyamura, Satoshi Nakano, Wataru Saito and Shin-Ichi Nishizawa

Kyushu University

[35A-5] 16:05-16:20

Characterization of Oxide Interface Charges in Trench Field Stop IGBT

Zhi Lin Sim^{1,2}, Wei Mien Chin², Yi Xiang Bong², David Goh² and Voon Cheng Ngwan²

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