



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

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25E. Processing of New Materials for Future Technologies

Session Date:	March 8(Wed.), 2023
Session Time:	17:00-18:25
Session Room:	Room E (#308 a)
Session Chair:	Dr. Yi-Chiau Huang (Applied Materials) Dr. Yoshiki Yamamoto (Renesas)

[25E-1] [Invited]

17:00-17:25

Contacts for 2D-Material MOSFETs: Recent Advances and Outstanding Challenges

Steven J. Koester

University of Minnesota-Twin Cities

[25E-2]

17:25-17:45

Grain-Size Enlargement of MoS₂ Film by Low-Rate Sputtering with Molybdenum Grid

Shinya Imai, Ryo Ono, Iriya Muneta, Kuniyuki Kakushima, Tetsuya Tatsumi, Shigetaka Tomiya, Kazuo Tsutsui and Hitoshi Wakabayashi

Tokyo Institute of Technology

[25E-3]

17:45-18:05

Development of MFMIS Gatestack with Thick Hafnium Zirconium Oxide (HZO) for Nonvolatile Memory Application

Bohyeon Kang¹, Jongseo Park¹, Junghyeon Hwang², Sangho Lee², Hunbeom Shin², Jehyun An¹, Hyunseo You¹, Sung-Min Ahn¹, Sanghun Jeon² and Rock-Hyun Baek¹

¹Pohang University of Science and Technology, ²Korea Advanced Institute of Science and Technology

[25E-4]

18:05-18:25

Alternative EUV Mask Absorber with Platinum-Based Alloy for High-NA EUV Lithography

Yunsoo Kim^{1,2}, Dongmin Jeong^{1,2}, Minsun Cho^{1,2} and Jinho Ahn^{1,2}

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