

Room 1

Session 2-1-1: OS20 Advanced surface processing I

OS20-01 Formation of Heterostructured Si Thick Films in Atmospheric Pressure Very High-Frequency Plasma Afif Hamzens, Shota Mochizuki, Hiromasa Ohmi and Hiroaki Kakiuchi

OS20-03 Porous Silicon Oxide Formation Using Atmospheric-Pressure Very High-Frequency Plasma for Single-Layer Anti-Reflection Coatings on Transparent Substrates Leapheng Uon, Naoto Mizusawa, Reo Yamauchi, Hiromasa Ohmi and Hiroaki Kakiuchi

OS20-04 Surface modification of Si-MEMS using electron beam induced silicon nanodots Abhiraj Singh, Shingo Kammachi, Nobutaka Goami, Muncyuki Naito, Ryosuke Matsumoto and Takahiro Namazu

OS20-05 Ultrasonic-assisted fabrication of water-dispersed photonic crystals for self-reporting surface pressure sensor application Daniel Saldivar-Ayala and Takahiro Namazu

Session 2-1-2: OS20 Advanced surface processing II

OS20-07 Effect of substrate temperature on mechanical property of amorphous silicon carbon nitride films deposited by surface-wave plasma CVD Ippei Tanaka, Yuki Hattori, Yuki Hatae and Yasunori Harada

OS20-08 Effect of Containing Copper Particles on Mechanical Characteristics of Sintered Ag film for SiC Die Bonding Chessadakorn Chantawong, Michiko Shindo, Mitsuhiro Nishida and Takahiro Namazu

OS20-09 Evaluation of adhesion resistance of PVD films to hot dip galvanized and pure Zn Yusuke Ushiro, Ippei Tanaka, Yasunori Harada, Yuji Nanba and Takashi Ogisu

OS20-12 The effect of concentration modulation on friction properties of diamond films synthesized by microwave plasma CVD Ryota Ohnishi, Ippei Tanaka, Natsuki Kawaguchi and Yasunori Harada

Session 2-1-3: OS20 Advanced surface processing III

OS20-13 Improvement of etching rate of gallium nitride substrates by atmospheric pressure plasma with H₂/O₂/He gas Motoki Nabata, Genta Nakaue, Daisetsu Toh, Jumpei Yamada, Kazuto Yamauchi and Yasuhisa Sano

OS20-14 Damage-free Processing of Extremely Narrow Spaces via High-precision Etching Using High-pressure Plasma That Exceeds Atmospheric Pressure, Masafumi Miyake, Shotaro Matsumura, Iori Ogasahara, Taito Osaka, Jumpei Yamada, Daisetsu Toh, Kazuto Yamauchi, Makina Yabashi and Yasuhisa Sano

OS20-15 Mechanical Reliability of Sintered Ag Die Attach Assemblies with Al/Ni Rapid Heat Treatment Hiroya Saegusa, Daisuke Yasugi and Takahiro Namazu

OS20-18 Strength prediction of metal-polymer joints using machine learning from metal surface images Zhongqi Cui, Shuohan Wang, Yuuka Ito, Eiji Yamaguchi, Fuminobu Kimura and Yusuke Kajihara

OS20-22 Surface texture creation mechanisms and surface properties of intermittent burnishing process Masato Okada, Hayato Nakagawa, Makoto Nikawa and Shunki Kitagawa