

A-2 Plasma Deposition

Representative Organizer

Naho ITAGAKI (Kyushu University)

Co-organizers

Makoto KAMBARA (The University of Tokyo)

Song-Yun KANG (Tokyo Electron Limited)

Hisao MAKINO (Kochi University of Technology)

Oral Session March 30 (Mon.) Room 1

Chair : Makoto Kambara (The University of Tokyo)

- 8:50 A2-I-01 **An Elastic Effect in Crystal Growth: Change of Growth Modes with Dislocations in Heteroepitaxy** [Invited Lecture]
¹Hiroyasu Katsuno, ²Makio Uwaha
1 DEPARTMENT OF PHYSICAL SCIENCES, RITSUMEIKAN UNIVERSITY
2 DEPARTMENT OF PHYSICS, NAGOYA UNIVERSITY
- 9:20 A2-I-02 **Growing Demand for Plasma-Enhanced ALD in Sub-20 nm Semiconductor Manufacturing** [Invited Lecture]
Nobuyoshi Kobayashi
ASM JAPAN K.K.
- 9:50 A2-O-01 **Effects of Gas Flow Rate on Deposition Rate and Amount of Si Clusters Incorporated into a-Si:H Films**
Susumu Toko, Yoshihiro Torigoe, Kimitaka Keya, Hyunwoong Seo, Naho Itagaki, Kazunori Koga, Masaharu Shiratani
KYUSHU UNIVERSITY
- 10:05 A2-O-02 **Constructing the Nano-Au Quasi-Mesh Structures to Enhance the Conductivity of Al-Doped ZnO Thin Films**
Cheng-Wei Chen, Yen-Sheng Lin
DEPARTMENT OF ELECTRONIC ENGINEERING, I-SHOU UNIVERSITY
- 10:20 A2-O-03 **Low-Temperature Synthesis of Carbon Nanotubes on Nanoporous Templates Using Plasma-Assisted Hybrid Chemical Vapor Deposition System**
Eun-Hye Kwak, Goo-Hwan Jeong
DEPARTMENT OF NANO APPLIED ENGINEERING, KANGWON NATIONAL UNIVERSITY
- 10:35 A2-O-04 **Dependence of VHF Power on Electronic Properties of Amorphous Carbon Films Grown by Plasma-Enhanced Chemical Vapor Deposition**
Hirotsugu Sugiura, Lingyun Jia, Da Xu, Masayuki Nakamura, Keigo Takeda, Kenji Ishikawa, Hiroki Kondo, Makoto Sekine, Masaru Hori
GRADUATE SCHOOL OF ENGINEERING, NAGOYA UNIVERSITY
- 10:50 A2-O-05 **Effects of Ion Irradiation on Mass Density of Carbon Films Deposited by H-Assisted Plasma CVD**
Xiao Dong, Kazunori Koga, Daisuke Yamashita, Hyunwoong Seo, Naho Itagaki, Masaharu Shiratani
GRADUATE SCHOOL OF INFORMATION SCIENCE AND ELECTRICAL ENGINEERING, KYUSHU UNIVERSITY