



[SD1] Plasma Sources and Technologies IV

Date / Time	July 28 (Sat.), 2018 / 09:00-10:40
Place	Room D (#115)
Session Chair(s)	ShinJae You (Chungnam Univ., Korea)

SD1-1 [Invited]

09:00-09:30

Investigation of Carbon Dioxide Decomposition in a Micro-Slit Discharge at Low Pressures

Tao Ma¹, Hai-Xing Wang¹, Qi Shi¹, Shi-Ning Li¹, and A. B. Murphy²

¹Beihang Univ., China, ²CSIRO Manufacturing, Australia

SD1-2 [Invited]

09:30-10:00

Generation of Vibrationally Excited Nitrogen in a DC Discharge Sustained by Repetitive Nanosecond Pulses

Keisuke Takashima, Yuki Kunishima, and Toshiro Kaneko

Tohoku Univ., Japan

SD1-3

10:00-10:20

Modeling on 2D Rapid Surface Oxidation by 1D Scanning Loop-Type of Induction Thermal Plasmas

Yasunori Tanaka¹, Takumi Tsuchiya¹, Atsushi Fujita¹, Tatsuo Ishijima¹, Yoshihiko Uesugi¹, Tetsuya Yukimoto², and Hiroshi Kawaura²

¹Kanazawa Univ., Japan, ²CV Research Inc., Japan

SD1-4

10:20-10:40

An Efficient Spark Gap Switch Design for Low Impedance Nanosecond Pulse Generator

Kazuki Karashima, Ryusei Shimotsu, Douyan Wang, and Takao Namihira

Kumamoto Univ., Japan