

Joint International Conference on The 8th ICMAP & The 9th ISFM

January 17-20, 2021 | Online Conference

[TC1] Plasma Modeling and Simulation Techniques IV	
Date / Time	January 19 (Tue.), 2021 / 09:00-10:40
Place	Channel C
Session Chair(s)	Yan Feng (Soochow Univ., China) Satoshi Uchida (Tokyo Metropolitan Univ., Japan)

[TC1-1]

09:00-09:20

Analytical Solution for Pulsed Laser Induced Photoemission from Biased Surfaces

Yi Luo and Peng Zhang

Michigan State Univ., USA

[TC1-2]

09:20-09:40

Electron Dynamics in Magnetron Sputtering Discharges

Bocong Zheng¹, Yangyang Fu², Keliang Wang¹, Thomas Schuelke¹, and Qi Hua Fan²

¹Fraunhofer Center for Coatings and Diamond Technologies, USA, ²Michigan State Univ., USA

[TC1-3]

09:40-10:00

Theoretical Study of Field Emission from Dielectric Coated Surfaces

Yang Zhou and Peng Zhang

Michigan State Univ., USA

[TC1-4]

10:00-10:20

Non-Equilibrium Transport Processes in a Free-Burning Argon Arc Plasma under Different Operating Pressures

Chuan Fang, Jian Chen, Jing Li, and He-Ping Li

Tsinghua Univ., China

[TC1-5]

10:20-10:40

Decisive Effects of Electron Temperature on the Transport of Charged Particles in a Confined Decaying Plasma

Jian Chen, Yao-Ting Wang, He-Ping Li, Dong-Jun Jiang, and Ming-Sheng Zhou

Tsinghua Univ., China