

Satellite Workshop of ISPlasma2018

Expansion of next-generation plasma application researches

March 3, 2018

Nagoya University, Nagoya, Japan

Prior to ISPlasma2018, Satellite Workshop focused on future prospects of plasma application will be held at Nagoya University. Considering recent development of atmospheric pressure plasma process, plasma biology, medicine, agriculture and other areas, this workshop offers an opportunity to discuss both on the plasma source and application of various plasmas. This workshop is free of charge.

<Date>

March 3 (Sat), 2018, 13:00-16:00

<Location>

Lecture Hall, IB Bldg.

Higashiyama Campus, Nagoya University, Nagoya, Japan

<Invited Speakers>

- Pascal Chabert (LPP,CNRS,Ecole Polytechnique, France)
- Uwe Czarnetzki (Ruhr-Universität Bochum, Germany)
- Alexander Fridman (Drexel University, USA)
- Jeon Geon Han (Sungkyunkwan University, Korea)
- Klaus-Dieter Weltmann (INP Greifswald, Germany)

<Organized by>

Kenji Ishikawa (Nagoya University, Vice-Chairperson of ISPlasma2018)

<Co-Sponsor>

Nagoya University

<Program>

March 3 (Sat), 2018

- 13:00 – 13:05 Opening remarks
- 13:05 – 13:35 P. Chabert (LPP,CNRS,Ecole Polytechnique, France)
“Anomalous Transport in Hall Effect Thrusters
used for space propulsion”
- 13:35 – 14:05 U. Czarnetzki (Ruhr-Universität Bochum, Germany)
“Collisionless electron heating in periodic vortex
field arrays as a new large area plasma source”
- 14:05 – 14:35 J. G. Han (Sungkyunkwan University, Korea)
“New generation of magnetron sputtering
for synthesis of nano structure films ”
- 14:35 – 14:50 Break
- 14:50 – 15:20 A. Fridman (Drexel University, USA)
“Atmospheric Pressure Plasma Physic, Chemistry
and Biology”
- 15:20 – 15:50 K.-D. Weltmann (INPGreifswald, Germany)
“Plasma medicine: State research, development,
devices, therapy and perspectives”

15:50 – 16:00

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Closing
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