9th International Symposium on Advanced Plasma Science
and its Applications for Nitrides and Nanomaterials /
10th International Conference on Plasma-Nano Technology & Science

# ISPlasma2017/IC-PLANTS2017

## March 1-5, 2017
## CHUBU UNIVERSITY, Aichi, JAPAN

## Organizing Committee

**Chairperson**

**Keiji Nakamura,** Chubu University

**Vice-Chairperson**

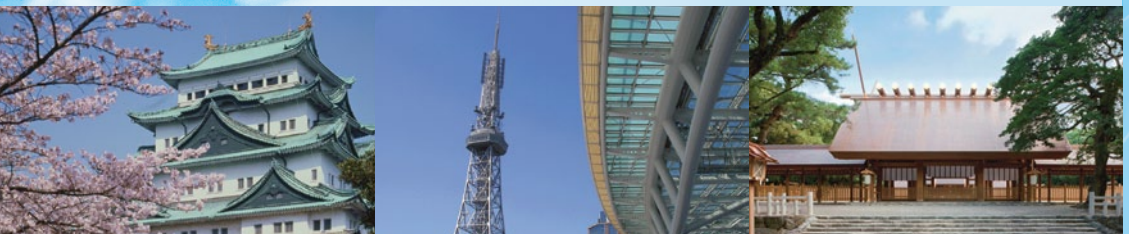
**Hirotaka Toyoda,** Nagoya University
**Akihiro Wakahara,** Toyohashi University of Technology
**Takashi Itoh,** Gifu University

Sponsored by： The Japan Society of Applied Physics

Co-Sponsored by：Nagoya University　Nagoya Institute of Technology　Meijo University
Chubu University

**http://www.isplasma.jp/**

※The photograph is an image.



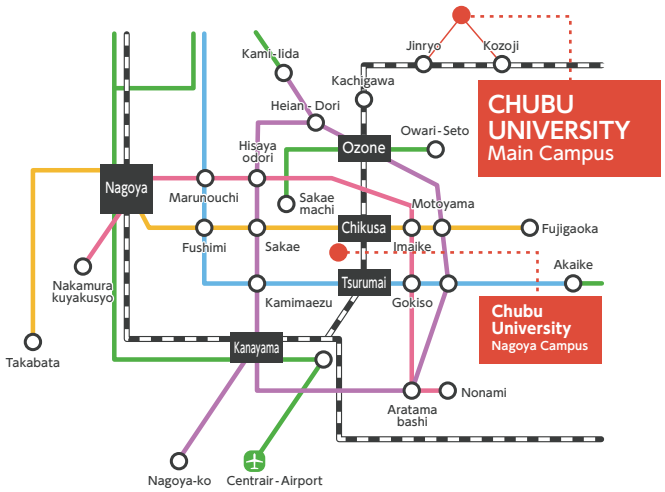
## Registration

**Advanced Online Registration is required.**

| | | General | Student |
|---|---|---|---|
| Registration Fee： | Early Registration (Until Jan 31, 2017) | JPY 45,000 | JPY 15,000 |
| | On-site Registration | JPY 50,000 | JPY 20,000 |
| Tutorial Fee： | Participant in Main Symposium | JPY 1,000 | JPY 1,000 |
| | Tutorial Registration Only | JPY 10,000 | JPY 5,000 |
| Banquet Fee (on March 3, 2017) | | JPY 6,000 | JPY 3,000 |

＊Refunds cannot be made at any reason.

## Access




**Meitetsu Airport Line Central Japan International Airport Station**
↓ 26 min. by rapid train
**Meitetsu Line Kanayama Station**
**JR Kanayama Station**

| | |
|---|---|
| 20 min. by local train | 22 min. by rapid train |
| **JR Chuo Line Jinryo Station** | **JR Chuo Line Kozoji Station** |
| **School bus for Chubu University** | **Meitetsu bus for Chubu Daigaku-mae** |
| 7 min. by School bus | 10 min. by bus |

**Chubu University**

## Contact

Secretariat：Inter Group Corp.
E-mail：isplasma2017@intergroup.co.jp　Website：http://www.isplasma.jp/

ISPlasma/IC-PLANTS is a specialized international symposium that brings together about 1,000 world-leading scientists and engineers in Nagoya, Japan to discuss latest researches in the fields of advanced plasma science, its applications for processing and manufacturing of nitrides and nanomaterials, as well as new systems for technology transfers. This symposium will address issues such as global warming, resources and energy problems to which advanced plasma science and its application technologies can greatly contribute. In this symposium biosensing technologies will be also highlighted, because of their increasing importance in healthcare, agri-food and environmental areas. We hope that this symposium will provide an ideal venue for the exchange of new ideas and information, and also support the initiation or further development of international collaborations among those who work in these multidisciplinary fields.

## Related Fields

**Plasma**

- Plasma Source
- Modeling & Simulation
- Thin Film Deposition Process
- Flexible Electronics
- Plasma Agriculture
- Advanced Plasma Diagnostics
- Plasma in Liquid
- Etching Process
- Plasma Biology & Medicine
- Plasma for Nano & Green Technologies

**Nitride Semiconductors**

- Crystal Growth of GaN & Related Materials
- Characterization
- Optical & Optoelectronic Devices
- MBE Growth & Nitrogen Source
- Device Processing
- Electron & Power Devices

**Nanomaterials**

- Nanodots & Nanoparticles
- 2D Nanomaterials
- Composites & Functionally Grade Materials
- Applications for Energy, Nanomedicine & Sensing
- Nanotubes, Nanowires & Nanorods
- Porous Materials & Membranes
- Surface Modification & Functionalization

**Biosensing**

- Detection Technologies
- Electrochemical Devices
- Biomarkers & Biosensor Surfaces
- Biomaterials
- Optical Devices, Bioimaging
- Bioensors
- Fabrication Technologies
- Biodevices, uTAS, Lab on a Chip

## Abstract Submission

Online abstract submission (one-page English) is available from **http://www.isplasma.jp/**

**Submission Deadline : ~~Monday, October 3, 2016 JST~~**

**Friday, October 21, 2016 JST (Extended)**

## Special Issue

Selected papers will be published in a special issue of a scientific journal.

## Tutorial

Tutorial for Plasma Science, Nitride Semiconductors Nanomaterials and Biosensing will be held on Wed, March 1, 13:00

# PROGRAM

## Plenary Speaker

Osamu Ishihara (Chubu University, JAPAN)

## Keynote / Invited Speakers

### Keynote Speaker

H. Nakanishi (Aichi Cancer Center Research Institute, JAPAN)

### Invited Speakers

H. Ago (Kyushu University, JAPAN)

W. H. Choe (KAIST, KOREA)

T. Gregorkiewicz (University of Amsterdam, THE NETHERLANDS)

I. Grzegory (Institute of High Pressure Physics of the Polish Academy of Sciences, POLAND)

H. Hayashi (TOSHIBA, JAPAN)

F. Horikiri (SCIOCS, JAPAN)

Y. Ichikawa (JST, JAPAN)

T. Kachi (Nagoya University, JAPAN)

H. Kawai (POWDEC K.K., JAPAN)

H. van der Meiden (DIFFER, NETHERLANDS)

K. Naniwae (EL-Seed Corp., JAPAN)

J. Shiomi (The University of Tokyo, JAPAN)

J. S. Speck (University of California, USA)

Q. Sun (Chinese Academy of Sciences, CHINA)

M.Ueda(Okayama University, JAPAN)

T. Yanagida (Kyushu University, JAPAN)

E. Zanoni (Universita' di Padova, ITALY)

P. J. Bruggeman (University of Minnesota, U.S.A)

N. Fukata (National Institute for Materials Science, JAPAN)

Y. Hirai (Kyoto University, JAPAN)

C. C. Hu (National Tsing Hua University, CHINA)

K. H. Jeong (KAIST, KOREA)

Y. Kanemitsu (Kyoto University, JAPAN)

M. Matsui (Shizuoka University, JAPAN)

Y. Miyahara (Tokyo Medical and Dental University, JAPAN)

L. L. Raja (The University of Texas, U.S.A)

R. D. Short (University of South Australia, AUSTRALIA)

E. Stamate (Technical University of Denmark, DENMARK)

A. Suzuki (Panasonic, JAPAN)

K-D. Weltman (INP Greifswald e.V, GERMANY)

S. J.Yoo (National Fusion Research Institute, KOREA)

H. W. Zhu (Tsinghua University, CHINA)

### Tutorial Speakers

A. Fridman (Drexel University, U.S.A)

D. Ueda (Kyoto Institute of Technology, JAPAN)

Y. Li (China University of Petroleum, CHINA)