

**Satellite Workshop of XXXIV International Conference on
Phenomena in Ionized Gases (XXXIV ICPIG) &
10th International Conference on Reactive Plasmas (ICRP-10)**

International Workshop on Diagnostics of Atmospheric- Pressure Plasmas



**Sapporo Education and Culture Hall, Sapporo,
Hokkaido, Japan**

July 14, 2019

International workshop on diagnostics of atmospheric-pressure plasmas

13:40 - 13:45 Welcome Address, **Ryo Ono**, The University of Tokyo, Japan

Chair: Stephan Reuter

13:45 - 14:15 **Joao Santos Sousa**, University of Paris-Saclay, Orsay, France
“Measurement on atmospheric-pressure plasmas of electron properties by Thomson scattering and of reactive species by optical emission and absorption spectroscopy”

14:15 - 14:45 **Timo Gans**, University of York, York, UK
“Plasma dynamics and chemical kinetics in atmospheric pressure plasmas – a diagnostics challenge”

14:45 - 15:15 **Ana Sobota**, Eindhoven University of Technology, Eindhoven, Netherlands
“Plasma-surface interaction: Pockels-based Mueller polarimetry”

15:15 - 15:45 **Christophe Laux**, CentraleSupélec, Gif-sur-Yvette, France
“Optical diagnostics for the characterization of atmospheric pressure air plasmas”

15:45 - 16:15 **Nader Sadeghi**, University of Grenoble & CNRS, France
“The study of helium and argon metastable atoms and molecules in atmospheric pressure plasmas, monitored by broadband absorption spectroscopy”

Coffee Break (15 min)

Chair: Timo Gans

16:30 - 17:00 **Eric Robert**, University of Orleans, Orleans, France
“On the use of complementary diagnostics for plasma jet delivery on targets relevant for biomedical applications”

17:00 - 17:30 **Giorgio Dilecce**, CNR-Institute of Nanotechnology, Lecce, Italy
“LIF in a collisional environment: a molecular probe for rapidly changing media

17:30 - 18:00 **Stephan Reuter**, Lublin Technical University, Lublin, Poland
“Ultrafast laser diagnostics on atmospheric pressure plasma jets”

18:00 - 18:30 **Yuki Inada**, Saitama University, Saitama, Japan
“Two-dimensional electron density measurement of streamer discharge in atmospheric-pressure air”

18:30 - 18:35 Concluding Remarks, **Ryo Ono**, The University of Tokyo, Japan

19:00 **Reception at the same building (details will be provided)**

Information

Registration: Included in ICPIG/ICRP registration fee

Presentation: Invitation-only

Venue: Sapporo Education and Culture Hall, Sapporo, Hokkaido, Japan
<http://www.kyobun.org/foreign/english.html>

Access: <http://icpig2019.qe.eng.hokudai.ac.jp/venue.html>



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