

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

International Workshop on Atomic and Molecular Data for Plasma Applications

14 July 2019

Sapporo Education and Culture Hall, Sapporo, Hokkaido, Japan

Program

13:50 - 13:55 Welcome Address, **Izumi Murakami**, National Institute for Fusion Science

Chair: **N. Nakamura**, Univ. of Electro-Communications

13:55 – 14:25 **Laurence Campbell**, Flinder University, Australia
“Cross sections for electron impact excitation of OH and their application in atmospheric simulations”

14:25 – 14:50 **Masamitsu Hoshino**, Sophia University, Japan
“Absolute cross section measurements in collisions of low- and intermediate-energy electrons with polyatomic molecules”

14:50 – 15:15 **Masashi. Kitajima**, Tokyo Institute of Technology, Japan
“Low-energy and Very-low-energy total cross sections for electron collisions with small molecules”

15:15 – 15:40 **Kohki Sato**, Muroran Institute of Technology, Japan
“Electron transport at high E/N region”

15:40 – 16:05 **Hajime Tanuma**, Tokyo Metropolitan University, Japan
“Mobility measurements for small molecular ions in cooled helium gas”

16:05 – 16:20 **Coffee break**

- Chair:* **H. Tanuma**, Tokyo Metropolitan Univ.
- 16:20 – 16:50 **Emile A. D. Carbone**, Max Planck Institute for Plasma Physics,
Germany,
“Data needs for modelling non-equilibrium discharges: the LXCat
project”
- 16:50 – 17:15 **Mi-Young Song**, National Fusion Research Institute, Korea
“Study on Electron Impact Scattering Cross Section of Processing
Gas for Plasma Applications”
- 17:15 – 17:40 **Maria Tudorovskaya**, Quantemol Ltd., UK
“Reaction data for tokamak divertor and near-wall regions”
- 17:40 – 18:05 **Nobuyuki Nakamura**, University of Electro-Communication,
Japan
“Tungsten spectra observed with an electron beam ion trap”
- 18:05 – 18:30 **Kengo Moribayashi**, National Institute for Quantum and
Radiological Science and Technology, Japan
“Application of atomic and molecular data to heavy ion beam
plasma production and further, heavy ion beam cancer therapy”
- 18:30 – 18:35 Concluding Remarks, **I. Murakami**
- 19:00 - Reception (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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