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

Challenges in simulation of low-temperature plasma and its applications



Sapporo Education and Culture Hall, Sapporo, Hokkaido, Japan

July 14, 2019

Challenges in simulation of low-temperature plasma and its applications

13:55 - 14:00	Welcome	Address,	Fumiyoshi	Tochikubo,	Tokyo	Metropolitan
	University	, Japan				

Chair: Satoshi Hamaguchi

14:00 - 14:30	Kallol Bera, Applied Materials, USA "Simulation of Plasma Sources for Semiconductor Industry"
14:30 - 15:00	Peter L. G. Ventzek , Tokyo Electron America, Inc., USA "Atomic Precision Modeling and Simulation for Atomic Precision Semiconductor Device Fabrication"
15:00 - 15:30	Atsushi M. Ito , National Institute for Fusion Research, Japan "Multi-hybrid simulation for tungsten nanostructure formation induced by helium plasma"
15:30 - 16:00	Kristof Bal , University of Antwerp, Belgium "New physicochemistry at the plasma–catalyst interface: Insights from atomistic modeling"

Coffee Break (15 min)

Chair: Fumiyoshi Tochikubo

16:15 - 16:45	WooSeok Kang , Korea Institute of Machinery and Materials, Korea "Understanding the packed-bed discharges: a simulation perspective"
16:45 - 17:15	Natalia Babaeva, Joint Institute for High Temperatures, Russian Academy of Sciences, Russia "Challenges in modelling and simulation of plasma-surface interaction: fluid vs hybrid approach"
17:15 - 17:45	Dingxin Liu , Xi'an Jiaotong University, China "Modeling study on the interaction between low-temperature plasmas and water solutions"
17:45 - 18:15	Hiroyuki Nishida , Tokyo University of Agriculture and Technology, Japan "Numerical simulation of plasma actuator aiming for understanding of body force generation"
18:15 - 18:25	Concluding Remarks, Satoshi Hamaguchi, Osaka University, Japan
19:00	Reception at the same building (details will be provided)

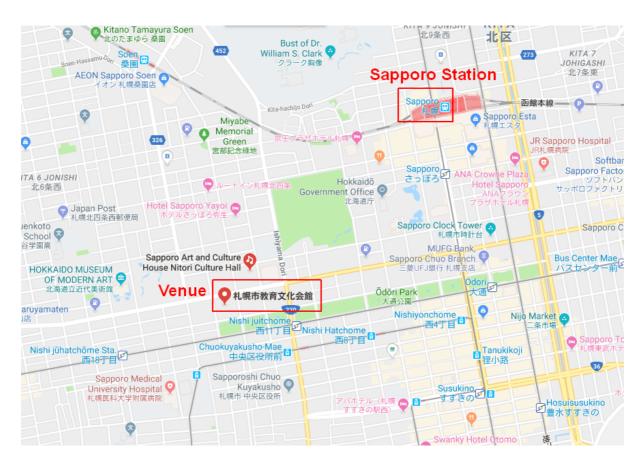
Information

Registration: Included in ICPIG/ICRP registration fee

Presentation: Invitation-only

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

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



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