

Registration

19:00 - *Dinner/Buffer*

Friday 24th April 2009

09:00 - 09:10	<i>Talks to be held in the conference hall</i> Opening	Nigel Mason (Open University)
<hr/> <i>Session 1 Chair: Nigel Mason</i> <hr/>		
09:10 - 10:00	Is the plasma state important in surface plasma interactions?".	Dan Schram (Eindhoven)
10:00 - 10:30	Atmospheric Pressure Plasmas and Their Biological Applications	Satoshi Hamaguchi, (Osaka University)
10:30 - 11:00	<i>Coffee break</i>	
<hr/> <i>Session 2 Chair: Satoshi Hamaguchi</i> <hr/>		
11:00 - 11:30	Exploring the chemistry that underpins growth of diamond by microwave plasma enhanced chemical vapour deposition	Michael Ashfold (University of Bristol)
11:30 - 12:00	Simulation of microwave plasma CVD for synthesis of large-size diamond crystals	Hideaki Yamada (Diamond Research Center of AIST)
12:00 - 12:30	Deposition profile control of carbon films in trenches using a plasma CVD method	Kazunori Koga (Kyushu University)
12:30 - 14:00	<i>Lunch Break</i>	

Friday 24th April 2009 *continued*

Session 3 Chair: Mark Bowden

14:00 - 14:30	Liquid Related Discharge and Electrolyte Plasmas for Creation of Bio-Nano Composite Materials	Toshiro Kaneko (Tohoku University)
14:30 - 15:00	Sub-microsecond pulsed discharges in and in contact with water	Peter Bruggeman (University of Ghent)
15:00 - 15:30	Atomic, molecular and optical data requirements for plasma processing	N J Mason (Open University)
15:30 - 16:00	<i>Coffee break</i>	

Session 4 Chair: Dan Schram

Talks to be held in the Marble Hall

16:00 - 16:30	Modeling of post-discharge plasmas for medical sterilization: effect of the wall material on the species density distributions in a large volume reactor	Kinga Kutasi (Budapest)
16:30 - 17:00	Modelling plasma surface interactions	Erik Neyts (University of Antwerp)
17:00 - 17:30	Numerical simulations of microplasma formation in consideration of gas heating and gas flow	Satoshi Uchida (Tokyo Metropolitan University)
19:00 -	<i>Dinner</i>	

Saturday 25th April 2009

*Session 5 Chair: Zoran Petrovic
Talks to be held in the conference hall*

09:00 - 09:30	The effect of an atmospheric pressure plasma jet on DNA	Mark Bowden (The Open University)
09:30 - 10:00	Emerging electric-acoustic metrology for industrial and research atmospheric pressure plasma	V Law (Dublin City University)
10:00 - 10:30	Mass spectrometry for atmospheric plasmas.	Yolanda Gonzalvo
10:30 - 11:00	<i>Coffee break</i>	

Session 6 Chair: Petr Carsky

11:00 - 11:30	Dipole alignment and device fabrication	David Field (University of Aarhus)
11:30 - 12:00	Modeling of Fast Neutral Transport in Low Pressure Discharges	Zoran Petrovic (Institute of Physics, Belgrade)
12:00 - 12:30	Plasma-surface interactions in the context of ITER	Juergen Rapp (FOM Instituut for Plasmafysica Rijnhuizen)
12:30 - 14:00	<i>Lunch Break</i>	
14:00 -	<i>Trip to Melnik: wine tasting & dinner in Melnik Castle</i>	

Sunday 26th April 2009

Session 7 Chair:

Talks to be held in the conference hall

09:00 - 09:30	Deposition of microcrystalline silicon films by magnetron sputtering: deposition mechanism explored with laser-aided diagnostics	Koichi Sasaki (Nagoya University)
09:30 - 10:00	Measurements of the ion flux to the substrate in low-pressure plasma deposition systems	Petr Virostko (Charles University)
10:00 - 10:30	Laser Thomson Scattering and Optical Emission Spectroscopy for Low Temperature Recombining Plasmas	Shinichiro Kado (University of Tokyo)
10:30 - 11:00	<i>Coffee, Tea</i>	

Session 8 Chair:

11:00 - 11:30	Plasma interactions with catalytic surfaces	Christopher Whitehead (University of Manchester)
11:30 - 12:00	Independent Control of Ion Energy and Flux in CCPs by the Electrical Asymmetry Effect	Uwe Czarnetzki (Ruhr Bochum)
12:00 - 12:30	Dynamics of radio-frequency driven atmospheric pressure plasmas jets	Tim Gans (Queens University Belfast)
12:30 - 14:00	<i>Lunch</i>	
14:00 -	<i>Departure for Prague (buses will be arranged)</i>	