

Programme
Workshop on Radio Frequency Discharges
Dublin City University, Ireland
22 – 23 June 2015

Day 1 – 22 June 2015	
08:30 – 09:00	<i>Coffee & Registration</i>
Session 1: Capacitive Discharges <i>Session Chair - Miles Turner</i>	
09:00 – 09:30	Julian Schulze – West Virginia University, USA <i>Heating dynamics in capacitive plasmas driven by customized voltage waveforms</i>
09:30 – 10:00	Andrew Gibson – University of York, UK <i>Harnessing the nonlinear coupling of odd harmonics for control of capacitively coupled oxygen plasmas</i>
10:00 – 10:30	Thomas Mussenbrock - Ruhr University Bochum, Germany <i>Nonlinear Electron Resonance Heating in Capacitive Discharges</i>
10:30 – 11:00	Coffee Break
Session 2: Magnetized Sheaths <i>Session Chair: Trevor Lafleur</i>	
11:00 – 11:30	Kristel Crombé - Ghent University & Royal Military Academy, Belgium <i>Studies of RF sheaths and diagnostics on IShTAR</i>
11:30 – 12:00	Ernesto Lerche – Royal Military Academy, Brussels <i>ICRF waves for heating and impurity control in JET-ILW</i>
12:00 – 12:30	Shantanu Karkari - Institute for Plasma Research, India <i>An Overview of Basic Experiments in APPEL Device</i>
12:30 – 12:40	Session 1 & 2 Wrap Up
12:40 – 14:00	Lunch
Session 3: Basic Phenomena <i>Session Chair: Jean-Paul Booth</i>	
14:00 – 14:30	Uwe Czarnetzki - Ruhr University Bochum, Germany <i>Collisionless electron heating in periodic arrays of inductively coupled plasmas</i>
14:30 – 15:00	Pascal Chabert - CNRS, Ecole Polytechnique, France <i>Examining the h_{-1} factor in low-pressure electronegative plasma discharges</i>
15:00 – 15:30	Sarveshwar Sharma – Institute for Plasma Research, India <i>Collisionless sheath heating in CCP discharges due to higher order sinusoidal signals</i>
15:30 – 16:00	Coffee Break
16:00 – 17:00	Poster Session
19:30 – 22:00	Conference Dinner

Day 2 – 23 June 2015	
Session 4: Capacitive Discharges <i>Session Chair: Thomas Mussenbrock</i>	
08:30 – 09:00	Coffee
09:00 – 09:30	Dymtro Rafalskyi - CNRS, Ecole Polytechnique, France <i>Plasma acceleration using the self-bias effect</i>
09:30 – 10:00	Trevor Lafleur – LPP-CNRS Ecole Polytechnique, France <i>Is collisionless heating in capacitively coupled plasmas really “collisionless”?</i>
10:00 – 10:30	Bastien Bruneau – Ecole Polytechnique, France Strong Ionization Asymmetry in a Geometrically Symmetric Radio Frequency <i>Capacitively Coupled Plasma Induced by Sawtooth Voltage Waveforms</i>
10:30 – 11:00	Coffee Break
Session 5: Verification and Validation <i>Session Chair: Pascal Chabert</i>	
11:00 – 11:30	Jean-Paul Booth - LPP-CNS, Ecole Polytechnique, Palaiseau, France <i>Quantitative Diagnostics of Inductive Plasmas in Chlorine, Oxygen and Chlorine-Oxygen Mixtures</i>
11:30 – 12:00	Prof. Miles Turner – Dublin City University, Ireland <i>Uncertainty and error in complex plasma chemistry models</i>
12:00 – 12:30	TBA
12:30 – 13:00	Close of Meeting/Discussions
13:00 – 14:00	Lunch

Please note that this is a draft agenda and subject to change.