

Frontiers in Low-Temperature Plasma Solution Preliminary Workshop

Dublin City University, Ireland

Programme

28-29 May 2018

Monday 28-05-2018			
11:00	Registration (S206/S209, Research and Engineering, DCU)		
12:00	Pascal Chabert/Miles Turner	Opening Remarks	
12:15	Miles Turner	Benchmarking Two Dimensional Particle-In-Cell Simulations	Pg 2
13:00	Lunch		
14:00	Denis Eremin	PIC Simulations of Technical Plasmas with an Energy-Conserving Implicit Algorithm on GPU	Pg 3
14:45	Sandra Schoeter	Multi-species experimental validation of plasma chemistry models at atmospheric pressure	Pg 4
15:30	Tea/Coffee		
16:30	Andrew Gibson	Plasma simulations in the context of biomedical applications: chemical kinetics in needle-like plasma sources	Pg 5
17:15	Poster Display		
19:00	Conference Dinner (1838 Club)		

Tuesday 29-05-2018			
09:00	Miles Turner	Plasma Chemistry Round Robin Status	Pg 6
09:45	Antonio Tejero	The LisbOn Kinetics (LoKI) computational tool	Pg 7
10:30	Tea/Coffee		
11:30	Antoine Tavant	Bi-dimensional Particle in Cell simulation of magnetized low-temperature plasmas: LPPic	Pg 8
11:50	Thomas Charoy	A 2D Particle-In-Cell benchmark on ExB discharges	Pg 9
12:10	Romain Lucken	Anomalous transport in a magnetized plasma column under laboratory conditions	Pg 10
12:30	Aranka Derzsi	2D PIC/MCC developments in Budapest	Pg 11
12:45	Discussions and Concluding Ceremony		