

# IPCS Summer School on Plasma Processing Science & Applications

## ISPC24 Symposium headquarters, Conference Centre Terminal Naples

### Day 1 - June 7, 2019

Time		Topic	Speaker
9:00-10:00	D1-1	Overview of processing plasma generation	Peter Bruggeman
10:15-11:15	D1-2	Kinetics and Boltzmann models	Luis Alves
11:30-12:30	D1-3	Optical Emission Spectroscopy	Volker Schulz-von der Gathen
<b>Lunch</b>			
13:30-14:15	D1-4	Thermal plasma applications	Tony Murphy
14:30-15:15	D1-5	Plasmas and liquids	Petr Lukes
15:30-16:15	D1-6	Plasma medicine	Ana Sobota
16:30-17:30	D1-7	Nanomaterial synthesis	Steven Girshick

### Day 2 - June 8, 2019

Time		Topic	Speaker
9:00-10:00	D2-1	Active optical diagnostics	Richard Engeln
10:15-11:15	D2-2	Global models	Mark Kushner
11:30-12:30	D2-3	Fluid models	Andrew Gibson
<b>Lunch</b>			
13.30-14.30	D2-4	Plasma treatment and plasma deposition	Dirk Hegemann
14:45-15:30	D2-5	Plasma Enhanced Atomic Layer Deposition	Maria Adriana Creatore
15:45-16:45	D2-6	Electrification of chemical processes I: Plasma-based reforming technologies	Ramses Snoeckx
17:00-17:45	D2-7	Electrification of chemical processes II: Closing the loop or resource recovery or electrical-to-chemical energy (power-to-gas)	Jaco van der Walt
18:00-18:30	D2-8	Preparing for a successful career in plasma technology and research	Lorenzo Mangolini