organized 2018 by PLAS@PAR Plasmas à Paris

PLASMA SCHOOL
Bad Honnef

Schedule for the Plasma School

Saturday, October 6, 2018	
17.00 - 21.00	Arrival/Registration from 17.00 - 21.00 (dinner included)
Sunday, October 7, 2018	
08.45 - 09.00	Welcome and introduction (Plot of the School, Plasma Science) M. Böke, Bochum & O. Guaitella and A. Bourdon, Paris
09:00 - 10.30	Introduction I: Fundamentals of Plasma Physics A. von Keudell, Bochum
10.30 - 10.45	Coffee break
10.45 - 12.15	Introduction II: Fundamentals of Plasma Physics A. von Keudell, Bochum
12.30 - 13.30	Lunch
13.45 - 15.15	Plasma modeling I: Modeling of plasmas A. Bogaerts, Antwerp
15.15 - 15.30	Coffee break
15.30 - 17.00	Plasma diagnostics II: Measuring electron density and ion flux N. Braithwaite, Milton Keynes
17.00 - 17.30	Forum with teachers
18.30 - 20.00	Dinner
20.00	Poster Session
Monday, October 8, 2018	
09.00 - 10.30	Plasma diagnostics I: Basics of plasma spectroscopy V. Schulz-von der Gathen, Bochum
10.30 - 10.45	Coffee break
10.45 - 12.15	Plasma sources I: Non magnetized radio-frequency discharges P. Chabert, Paris
12.30 - 13.30	Lunch
13.45 - 15.15	Plasma sources I: High density magnetized plasma sources U. Czarnetzki, Bochum
15.15 - 15.30	Coffee break
15.30 - 17.00	How to write a scientific paper? A. von Keudell & U. Czarnetzki, Bochum
17.00 - 17.30	Forum with teachers
18.30	Dinner
20.00 - 21.00	Entertainment seminar: “Plasma in cinema” A. von Keudell, Bochum

Tuesday, October 9, 2018	
09.00 -10.30	Plasma modeling II: Electron kinetics in atomic and molecular plasmas L.L. Alves, Lisbon
10.30 - 10.45	Coffee break
10.45 - 12.15	Plasma modeling III: Fluid modeling of discharge plasmas L.L. Alves, Lisbon
12.30 - 13.30	Lunch
14.00 - evening	Excursion or Workshops 1. Modeling Workshop: "Hands on a Boltzmann solver" L.L. Alves & A. Tejero, Lisbon 2. Experimental Workshop: "How to get plasma parameters? From theory to reality" G. Henrion & O. Guaïtella, "Réseau Tech. Plasmas Froids", France
18.30	Dinner
Wednesday, October 10, 2018	
09.00 - 10.30	Plasma sources II: DBDs (Corona and barrier discharges) O. Guaïtella, Paris
10.30 - 10.45	Coffee break
10.45 - 12.15	Demonstration on emission spectroscopy V. Schulz-von der Gathen, Bochum, and O. Guaitella, Paris
12.30 - 13.30	Lunch
13:45 - 15:15	Plasma diagnostics III: Advanced optical diagnostics R. Engeln, Eindhoven
15.15 - 15.30	Coffee break
15.30 - 17:00	Plasma diagnostics IV: Plasma-Surface Interactions J. Benedikt, Kiel
17.00 - 17.30	Forum with teachers
18.30	Dinner
Thursday, October 11, 2018	
09.00 - 10.30	Plasma technologies I: material processing G. Henrion, Nancy
10.30 - 10.45	Coffee break
10.45 - 12.15	Plasma technologies II: development at high pressure and in liquids P. Bruggeman, Minneapolis
12.30 - 13.30	Lunch

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Program of the Master Class 2018

The topic of the Master Class will be "Electronegative Plasmas".

Friday, October 12, 2018	
08.45 - 09.00	Introduction to the workshop
09.00 - 10.30	General introduction on the role of negative ions in NTP & measurement methods J. P. Booth, Paris
10.30 - 10.45	Coffee break
10.45 - 12.15	O_2 plasmas J. T. Gudmundson, Reykjavík
12.30 - 13.30	Lunch
13:45 - 14:45	Uncertainties study in models M. Turner, Dublin
14.45 - 15.45	
15.45 - 16.00	Coffee break
16.30 - 17:00	Master Class Poster Session (& coffee and biscuits)
17.00 - 18.15	Surface interaction pf negative ions G. Cartry, Marseille
18.30	Dinner
Saturday, October 13, 2018	
08.30 - 09.30	Negative ions in atmospheric pressure plasmas A. Bourdon, Paris
10.30 - 10.45	Coffee break
10.45 - 12.15	Transport of negative ions and influence in global models A. Gibson, York
12.15 - 12.20	Closure
12.30 - 13.30	Lunch