

Program of the School

Saturday, Oct. 7: Arrival/Registration from 17.00 - 21.00 (Dinner included)

Sunday, Oct. 8:

08.30-08.45	Welcome and introduction
08.45-10.15	Fundamentals of Gas Discharges I <i>(M.A. Lieberman, U of California, Berkeley)</i>
10.30-12.00	Fundamentals of Gas Discharges II <i>(M.A. Lieberman, U of California, Berkeley)</i>
14.00-15.30	Plasma diagnostics I: measuring the electron density and ion flux <i>(N.St.J. Braithwaite, The Open University Oxford)</i>
16.00-17.30	Plasma diagnostics II: basic plasma spectroscopy <i>(G. Dinescu, NILPRP, Bucharest)</i>
18.00	Summer school Dinner

Monday, Oct. 9:

08.30-10.00	Capacitively and Inductively Coupled Plasmas <i>(M. Krämer, U Bochum)</i>
10.30-12.00	Wave-produced Plasmas <i>(J. Berndt, U Bochum)</i>
14.00-15.30	High Pressure Thermal Plasmas and Sources <i>(J. Mentel, U Bochum)</i>
16.00-17.30	Corona and Barrier Discharges <i>(U. Kogelschatz, Hauser)</i>
19.00-21.30	Poster Session

Tuesday, Oct. 10:

08.30-11.00	Electron Kinetics in Atomic and Molecular Plasmas Fluid Modeling of Plasma Discharges <i>(L.L. Alves, IST Lisbon)</i>
11.15-12.45	Plasma diagnostics III <i>(W.W. Stoffels, TU Eindhoven)</i>
14.00-15.30	Plasma diagnostics IV: <i>(R. Engeln, TU Eindhoven)</i>
16.00-17.30	Dusty plasmas <i>(H. Kersten, U Kiel)</i>
20.00-21.30	Evening Lecture: The Universe – A World of Plasmas <i>(H. Kersten, U Kiel)</i> (a popular evening lecture with experiments)

Wednesday, Oct. 11:

08.30-10.00	Monte Carlo models of particle transport (<i>S. Longo, U Bari</i>)
10.30-12.00	Surface Processes in Plasmas (<i>J. Benedikt, U Bochum</i>)
Afternoon	Outing

Thursday, Oct. 12:

08.30-10.00	Modelling of Low Temperature Plasmas: Global Models (<i>R.P. Brinkmann, U Bochum</i>)
10.30-12.00	Plasma-Surface interaction: diagnostics (<i>W.M.M. Kessels, TU Eindhoven</i>)

Special subject: Plasmas and industry**Thursday, Oct. 12:**

14.00-15.30	3D Integration for System in Package (<i>F. Roozeboom, NXP</i>)
16.00-17.30	Cases: discuss challenging problems in small groups (<i>J.H. van Helden, TU Eindhoven</i>)
19.00-21.00	Cases: discuss challenging problems in small groups (<i>J.H. van Helden, TU Eindhoven</i>)

Friday, Oct. 13:

08.30-10.00	ASML and plasma physics (<i>V. Banine, ASML</i>)
10.30-12.00	Plasmas for polymer technology. (<i>M.A. Creatore, TU Eindhoven</i>)
14.00-17.00	Presentations of the cases with discussion (<i>J.H. van Helden, TU Eindhoven</i>)
17.00 -18.00	<i>Closing, End of the School</i>

Saturday, Oct.14:

08.00-09.30	<i>Leaving</i>
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