

PSE 2010 – Tutorial 1
Sunday, September 12, 2010, 9:00 – 18:00

Fundamentals and Trends of Plasma Surface Processing

The tutorial will cover the fundamentals of selected modern plasma processes and their applications in research and industry. Among other topics, High-Power Impulse Magnetron Sputtering (HiPIMS) will be a major subject. The lectures will be given by internationally recognized senior scientists.

The tutorial will be organized by the German PISE Group (AK Plasma) in cooperation with EFDS, and chaired by Dr. Christian Oehr, Fraunhofer-Institut für Grenzflächen- und Bioverfahrenstechnik (IGB), Stuttgart (GER).

| | |
|-------------|--|
| 9:00-10:30 | Modelling of technical Plasmas |
| | Prof. Dr. R.P. Brinkmann, Bochum |
| | |
| 10:30-10:40 | Break |
| | |
| 10:40-12:10 | Nanostructures by Ion Bombardment |
| | Prof. Dr. W. Moeller, Dresden |
| | |
| 12:10-13:00 | Lunch |
| | |
| 13:00-14:30 | HiPIMS - from plasma physics to industrial application |
| | Prof. Dr. U. Helmersson, Linköping |
| | |
| 14:30-14:40 | Break |
| | |
| 14:40-16:10 | Dielectric barrier discharges for surface Treatment at ambient pressure |
| | Prof. Dr. C.-P. Klages, Braunschweig |
| | |
| 16:10-16:30 | Coffee Break |
| | |
| 16:30-18:00 | Plasma Treatment of Polymers and Plasma Polymerization |
| | Dr. C. Oehr, Stuttgart |