

PSE 2014 – Tutorial 1
Sunday, September 14, 2014, 9:00 – 18:00
Congress Center of Garmisch-Partenkirchen, Room Zugspitze

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. The lectures will be given by internationally recognized senior scientists.

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

9:00-10:30	Modelling of technical plasmas Ralf Peter Brinkmann, Ruhr-Universität Bochum, GER
10:30-10:40	Break
10:40-12:10	The role of ion bombardment for thin film deposition: basics and diagnostics Holger Kersten, Christian-Albrechts-Universität zu Kiel, GER
12:10-13:00	Lunch
13:00-14:30	HiPIMS - from plasma physics to industrial application Ulf Helmersson, Linköping University, S
14:30-14:40	Break
14:40-16:10	Surface engineering with atmospheric-pressure plasmas Michael Thomas, Fraunhofer IST, Braunschweig, GER
16:10-16:30	Coffee Break
16:30-18:00	Plasma treatment of polymers and plasma polymerization Christian Oehr, Fraunhofer IGB, Stuttgart, GER