PSE 2010 – Industrial Workshop
Tuesday, September 14, 2010, 15:15 – 18:35

Industrial Workshop:
Plasma Technologies for Reduction of CO_2 Emission

Speakers from industrial companies will discuss the current challenge to utilize Plasma Technologies for reduction of CO_2 emission. The workshop will be organized by the German PISE Group (PLASMA Germany) in cooperation with the Society of Vacuum Coaters (SVC) and chaired by Roel Tietema, Hauzer Techno Coating BV, Venlo (NL).

15:15-15:45 IW1	**Tailor Made Surface Technology for Energy Efficient Tribological Systems** Tim Hosenfeldt, Schaeffler KG, Herzogenaurach, Germany
15:45:16:05 IW2	**Coatings for efficient high pressure diesel injection** Ulrich May, Robert Bosch GmbH, Diesel Systems (DS/ETD3), Stuttgart, GERMANY
16:05-16:25 IW3	**Deposition of low-friction/high wear resistant ta-C coatings deposited by an industrial laser arc Technology** Hans-Joachim Scheibe, Fraunhofer-Institut für Werkstoff- und Strahltechnik (IWS), Dresden, Germany Michael Falz, VTD Vakuum Technik Dresden GmbH, Dresden, Germany
16:25-16:45 IW4	**Comparison of the wear behaviour of DLC coatings in automotive engine applications and laboratory tribometer test**s Jasmin Martin, BMW Group, München, Germany
16:45-17:15	Coffee break
17:15-17:35 IW5	**Barriers to the Use of Plasma Technologies in Large Engines and Machines** Steven C. Taylor, Caterpillar Inc. - Advanced Materials Technology; Peoria-IL, USA
17:35-17:55 IW6	**Advanced coatings for aerospace applications to reduce fuel consumption** Christoph Leyens, TU Dresden, Institute of Materials Science, Dresden, Germany
17:55-18:15 IW8	**Application Potential of Hard Coatings with Lubricants for Reduction of Friction Losses** K. Yilmaz, RWTH Aachen University, Surface Engineering Institute, Aachen, Germany