Conference topics

- Plasma physics and technique
- Vacuum science, techniques and trends
- Characterization of surfaces and thin films
- Nanostructures and nanotechnology
- Nanocomposite materials and coatings
- Protective coatings for metal and wood processing tools
- Technologies and materials for biomedical engineering
- Plasma based surface treatment technologies
- New trends and concepts of plasma based deposition processes

Invited Speakers

- **Prof. Albano Cavaleiro**, University of Coimbra, PT
  "Metal alloyed DLC coatings and their tribological behavior under lubricated contact
- **Dr Grzegorz Greczyński**, Linköping University, SE
  "HIPIMS-Processing of Wear-Resistant Nitrides"
- **Prof. Jolanta Klemberg-Sapieha**, Ecole Polytechnique Montreal, CA
  "Advances and challenges in the tribological properties of nanostructured protective coatings"
- **Dr Corinne Nouveau**, Arts et Métiers ParisTech, Cluny, F
  "Hard coatings for wood machining tools: dream or reality?"
- **Dr Jörg Patscheider**, EMPA Dübendorf, CH
  "The Al-Si-N system: from solid solutions to nanomultilayers"
- **Dr Guillaume Schull**, Institute of Physics and Chemistry of Materials, Strasbourg, F
  "Atomic-scale control of molecular contacts"
- **Prof. Andrei V. Stanishevsky**, University of Alabama, Birmingham, USA
  "Tungsten-based nanocomposite coatings"
- **Dr Viteszlav Stranak**, Ernst-Moritz-Arndt University, Greifswald, DE
  "Deposition of Functional Thin Films for Bio-Medical Applications by means of High Power Impulse Magnetron Sputtering"
- **Prof. Michael Stueber**, Karlsruhe Institute of Technology, DE
  "New Developments on Magnetron Sputtered Hard Al-Cr-Oxide and Al-Cr-Oxinitride Thin Films"
- **Prof. Zhuo Sun**, East China Normal University, Shanghai, CN
  "Thin film materials for LED lighting and display applications"
- **Prof. Stan Veprek**, Technical University Munich, DE
  "Superhard Nanocomposite Coatings: Fundamentals and their Industrial Applications"
- **Prof. Klaus-Dieter Weltmann**, INP Greifswald, DE
  "Applications for plasma sources in medicine"