

## Conference topics – Tematyka konferencji

- 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
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## 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 Vitezslav 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"