

CIWST2010 Invited Speakers

Keynote Speaker:

Prof. Izhak Etsion
Dept. of Mechanical Engineering, Technion University, Israel
Title: "The Impact of Surface Texturing on Tribology"

Invited Speakers:

Prof. Pawel Pawlus
Rzeszow Univ Technol, Rzeszow, Poland,
Title: "Textured surfaces after machining: measurement, analysis, tribological importance"

Prof. Shinya Sasaki
Department of Mechanical Engineering Tokyo University of Science, Japan
Title: "Multi-scale texturing for improving tribological properties of ceramics under boundary lubrication"

Prof. Noritsugu Umehara
Advanced Materials and Manufacturing Laboratory, Department of Mechanical Science and Engineering, Nagoya University, Japan
Title: "Micro Texturing of Polycarbonate Plate with Ion Beam Irradiation and its Friction Properties in Water"

Prof. Ivan Krupka
Brno Univ Technol, Fac Mech Engn, Inst Machine & Ind Design, Brno 61669, Czech Republic
Title: "The effect of surface texturing on EHD and mixed lubricated non-conformal contacts"

Prof. Alberto Rota
Dipartimento di Fisica dell'Universita di Modena e Reggio Emilia, via G. Campi 213/a, 41125 Modena – Italy
Title: "Scaling effect of texturing: from the micro- to the nano-scale"

Prof. Zum Gahr, K.H.
Univ Karlsruhe, Inst Mat Sci & Engn 2, D-76185 Karlsruhe, Germany
Title: "Microtexturing for tailoring friction behavior of lubricated steel/ceramic sliding pairs."

Dr. Dong Zhu
State Key Lab. of Tribology Tsinghua University, Beijing, China
Title: "Simulation based virtual texturing"

Prof. Lev Rapoport
Holon Institute of Technology, Israel
Title: "Friction and wear of solid lubricant films on laser textured surfaces"

Prof. Frank Talke
Univ Calif San Diego, Ctr Magnet Recording Res, La Jolla, USA
Title: "Nano-tribology in present and future magnetic recording disk drives"

Prof. Xiaolei Wang
Nanjing University of Aeronautics and Astronautics, Nanjing, China
Title: "Dimple pattern designing for PDMS with different surface roughness"

Prof. Yonggang Meng
State Key Lab. of Tribology Tsinghua University , Beijing, China
Title: Improvement of the Characteristics of Paper-Based Friction Clutch by Laser Surface Texturing of Separator Plate

Prof. Liping Wang
State Key Lab. of Solid Lubrication Lanzhou, Chinese Academy of Science, Lanzhou, China
Title: “The Fabrication of Carbon-based Surface Textures and the related enhancement in Tribological performance”

Prof. Feng Guo
Qingdao Technological University, Qingdao, China
Title: “On the lubricating film thickness in a conformal contact of grooved bounding surfaces”

Prof. Fei Zhou
Nanjing University of Aeronautics and Astronautics, Nanjing, China
Title: “Tribological characteristics of biomimetic microstructures on Ti alloy sliding against Si₃N₄ balls in water”

Prof. Koshi Adachi
Division of Mechanical Engineering, Tohoku University, Japan
Title: “Running-in control by surface texturing for super-low friction of ceramics in water”

Prof. Stephen M. Hsu
Engineering and Applied Science Suite 323, Research 1 George Washington University, USA
Title: “Biomimetic surface texturing design and their working Mechanisms”