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2. ULUSLARARASI YÜZEY İŞLEMLERİ SEMPOZYUMU 2nd INTERNATIONAL SURFACE TREATMENT SYMPOSIUM

25-27 Haziran/June 2014

İstanbul Teknik Üniversitesi / Istanbul Technical University

& 2^{ml}Announcement



TMMOB Metalurji Mühendisleri Odası UCTEA Chamber of Metallurgical Engineers



TMMOB Kimya Mühendisleri Odası UCTEA Chamber of Chemical Engineers



2nd INTERNATIONAL SURFACE TREATMENT SYMPOSIUM • 2014

The 2nd International Surface Treatment Symposium (ISTS) will be held on June 25-27, 2014 in Istanbul with the cooperation of UCTEA Chamber of Chemical Engineers and UCTEA Chamber of Metallurgical Engineers.

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TOPICS

• Environment Sensitive Conversion Coatings and Anodization

Alternatives of 6 Valent Chromium Conversion Coatings and Chromic Acid Anodization, Hot Sulfuric Acid and Phosphoric Acid Anodization, Micro Arc Oxidation, Alternatives to Phosphating

Vacuum Coating Techniques

Physical Vapor Deposition, Chemical Vapor Deposition, Hard Coatings, Decorative Coatings, Coatings for Automotive Industry, Diamond Like Carbon Coatings, Diamond Coatings, Solid Lubricants, Nano Composite Coatings

Thermal Spray Techniques

Thermal Spray, Plasma Spray, HVOF, Detonation Gun, Thermal Barrier Coatings, Coatings for Wear and Friction, Coatings for Biomaterials

Electrochemical, Chemical and Sol-gel Coatings

Electrolytic Coatings, Electroless Coatings, Sol-Gel Coatings, Composite Coatings, Hybrid Deposition Techniques, Pre-treatments

Diffusion-based Surface Treatments and Hot-dip Coatings

Surface Alloying, Intermetallics, Nitriding, Boriding, Carburizing, Electrochemical Boriding Hot-dip galvazing, Aluminizing

• Surface Technologies in Nano-bio Technological Applications

Anodic Oxide Based Templates and Nanofunctional Surfaces, Catalytic Surfaces, Bio-Functional Surfaces, Sensors, Absorbers

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ABSTRACT GUIDELINES AND SUBMISSION

- The authors who would like to participate the 2nd International Surface Treatment Symposium should submit their abstracts including keywords to Symposium Executive Committee not later than 31st of January 2014. Contact details; full postal and e-mail address, phone and fax numbers should also be given in the same page. Abstracts can also be submitted online from www.metalurji.org.tr/ISTS2014 website.
- After acceptance of their abstracts the authors are expected to submit their manuscripts for publishing in the Symposium Proceedings. The deadline for the submission of the full manuscripts is 31st of March, 2014.

INVITED TALKS



Prof. Dr. Allan MATTHEWSUniversity of Sheffield, UK





Prof. Dr. Ahmet T. ALPASUniversity of Windsor, Canada

Novel Applications of Carbon based Coatings in Automotive Powertrains and Manufacturing Processes



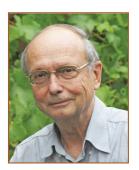
Assoc. Prof. Dr. Caner DURUCANMiddle East Technical University, Turkey

Sol-Gel Derived Functional Metal Oxide Thin Films on Glass



Prof. Dr. Takashi GOTOTohoku University, Japan

High-Speed Deposition of Thick Films by Laser Chemical Vapor Deposition



Prof. Dr. Dieter LANDOLTSwiss Federal Institute of Technology Lausanne, Switzerland

Electrochemical Surface Treatment of Titanium at the Micro/Nano Scale: Fundamentals and Bio-Medical Applications



Prof. Dr. Sanjay MATHURUniversity of Cologne, Germany

Title of the Talk will be Announced Later



Prof. Dr. Paul MAYRHOFERUniversity of Wien, Austria

Advances in Ti-Al-N and other Nanocomposite Coatings for Severe Applications



Prof. Dr. Evangelia (Litsa) PAVLATOUNational Technical University of Athens, Greece

Pulse Electrodeposition of Ni- Based Composite Coatings and Nanostructures-Structure, Mechanical and Photoinduced Properties



Dr. László PÉTERHungarian Academy of Sciences

Composition Depth Profile of Electrodeposited Alloy and Multilayer Films



Dr. Vladimir E. STREL'NITSKIJKharkov Institute of Physics and Technolody, Ukraine





Dr. Güldem KARTAL ŞİRELİ Istanbul Technical Universtiy, Turkey

New Environmentally-Friendly Technologies in Coating of Metal Borides



Dr. Ayşe TURAKMcMaster University, Canada

Interface Engineering in Organic Optoelectronics



Assoc.Prof. Dr. Emrah ÜNALANMiddlle East Technical University, Turkey

Nanostructured Surfaces for Advanced Optoelectronic Devices



Prof. Dr. İskender YILGÖRKoç University, Turkey

Controlled Wetting of Polymer Surfaces: From Superhydrophilic to Superhydrophobic



THE CONTRIBUTIONS FROM THE INDUSTRY INVITED



Aysun DOĞANGÜN AKIN

TAI, TUSAŞ - Türk Havacılık ve Uzay Sanayii A.Ş, Turkey

New Surface Treatment Trends for Aluminum Alloys in Aerospace Industry



Dr. Beril ÇORLU

ArcelorMittal Global R&D Gent, Belgium

New Generation of Hot Dip Coatings



Dr. Reinhard PİTONAK

Böhlerit GmbH & Co, Austria

Nanostructured TiAIN Coating by Moderate Temperature
Low Pressure CVD



Dr. Mustafa SEZER

Arcelik A.S. Research & Development Center, Turkey

Surface Treatment and Coating Applications for the Household Appliance Industry



TUTORIALS



Assoc. Prof. Dr. Özgür BİRER Koç University, Turkey





Prof.Dr. Ali Fuat ÇAKIRIstanbul Technical Universtiy, Turkey

Electrolytic Metal Coatings: Principles, Technology and Control



Dr. Ali ERDEMİRArgonne National Laboratory, USA

Principles of Surface Engineering and Tribology



Dr. Cleva W. OW-YANGSabanci University, Turkey

Introduction to Transmission Electron Microscopy



Prof.Dr. Fatih ÜSTELSakarya University, Turkey

Introduction and Applications of Termal Spray Technologies