**Progress in Applied Surface, Interface  
   and Thin Film Science 2019**

**SURFINT, 18-21. November 2019**

**Invited speakers**  
  
  •**Prof. Hikaru Kobayashi**, Institute of Scientific and Industrial Research,  
     Japan Science and Technology Agency, Osaka University, Japan  
     Properties of Si-based agent and its medical effects  
  •**Prof. Grzegorz Jung**, Ben Gurion University of the Negev, Beer-Sheva, Israel  
     Dark Crackling Noise and Light Controlled Criticality in Hybrid Organic Semiconducting Structures  
  •**Prof. Ivan Ohlídal**, Faculty of Science, Masaryk University, Brno, Czech Republic  
     Optical characterization of thin films with structural defects  
  •**Prof. Dietrich R.T. Zahn**, Technische Universität Chemnitz, Chemnitz, Germany  
     Optical Spectroscopies with Nanometer Lateral Resolution for Surface and Interface Characterisation  
  •**Prof. Sabu Thomas**, Mahatma Gandhi University, Kerala, India  
  •**Assoc. Prof. Monika Kwoka**, Institute of Electronics, Silesian University of Technology, Gliwice, Poland  
  •**Assoc. Prof. Jozef Novák**, Institute of Electrical Engineering SAS, Bratislava, Slovakia  
     Twinned nanoparticle structures for Surface Enhanced Raman Scattering  
  •**Prof. Dr. Thomas Chassé**, Institut für Physikalische und Theoretische Chemie, Universität Tübingen, Germany  
     Beyond pentacene - Surface studies of organic molecular films  
  •**Assoc. Prof. Kazumasa Iida**, Department of Materials Physics, Nagoya University, Nagoya, Japan  
  •**Dr. Victor Kislyuk**, G.V.Kurdyumov Institute of Metal Physics National Academy of Sciences of Ukraine,  
     Kyiv, Ukraine  
     Impact of low energy ion beams on the properties of rr-P3HT films  
  •**Dr. Dagmar Gregušová**, Institute of Electrical Engineering SAS, Bratislava, Slovakia  
     GaAs nanomembranes in device technology  
  •**Prof. Jun Xu**, Nanjing University, Nanjing, China  
     Comparative study on P and B-doped nano-crystalline Si multilayers  
  •**Dr. Teresa I. Madeira**, Semiconductor Physics, Chemnitz University of Technology, Chemnitz, Germany  
     Micro to Nano Characterisation Techniques in Arts and Cultural Heritage  
  •**Dr. Nataliya L. Shwartz**, Rzhanov Institute of Semiconductor Physics, Russian Academy of Sciences,  
     Novosibirsk, Russia - Morphology evolution and formation of nanostructures at III-V semiconductor surfaces  
  •**Assoc. Prof. Edmund Dobročka**, Institute of Electrical Engineering SAS, Bratislava, Slovakia  
     Structural characterization of textured thin films with various degree of complexity  
  •**Prof. Harri Lipsanen**, Aalto University, Department of Electronics and Nanoengineering, Aalto, Finland  
     Compound semiconductor nanowire photonics  
  •**Dr. Salvatore A. Lombardo**, Energy Conversion Device Group, CNR-IMM, Italy  
     Performance increase of amorphous Si and tandem amorphous / microcrystalline Si PV devices  
     under electrical stress and variable illumination / temperature conditions  
  •**Dr. Ján Ivančo**, Institute of Physics SAS, Bratislava, Slovakia  
  •**Dr. Joanna Bauer**, Wroclaw University of Technology, Wroclaw, Poland  
     Nanotheranostic approach for cancer treatment  
  •**Assoc. Prof. Dario Daghero**, Department of Applied Science and Technology, Politecnico di Torino, Italy  
  •**Dr. Nadia Saoula**, Centre de Developpement des Technologies Avancees, Alger, Algeria  
     Deposition of Transition metal oxide coatings and applications  
  •**Prof. Bert Stegemann**, HTW Berlin, University of Applied Sciences, Berlin, Germany  
     Laser Patterning of Chalcopyrite and Perovskite Thin Films For Monolithic Series Interconnection  
  •**Dr. Beata Butvinová**, Institute of Physics, Slovak Academy of Sciences, Bratislava, Slovakia  
     Impact of surfaces on soft-magnetic properties of Fe-based nanocrystalline ribbons  
  •**Prof. Jarmila Müllerová**, Institute of Aurel Stodola, University of Žilina, Liptovský Mikuláš, Slovakia  
  •**Prof. Wu Lu**, Department of Electrical and Computer Engineering, Ohio State University, USA  
  •**Dr. Nanasaheb Devappa Thorat**, Faculty of Fundamental Problems of Technology,  
     Wroclaw University of Science and Technology, Wroclaw, Poland  
     Magnetically active drug delivery and cancer therapy using graphine oxide  
  •**Prof. Roman Sobolewski**, Department of Electrical and Computer Engineering,  
     University of Rochester, Rochester, USA  
     Spintronic Ferromagnet/Normal Conductor Nanobilayers for THz Photonics  
  •**Dr. Yuki Kobayashi**, Institute of Scientific and Industrial Research,  
     Japan Science and Technology Agency, Osaka University, Japan  
     Fabrication of Si-based agent with high hydrogen generation ability and its application to living bodies  
     with high hydrogen generation ability and its application to living bodies  
  •**Assoc. Prof. Milan Mikula**, Faculty of chemical and food technology,  
     Slovak University of Technology, Bratislava, Slovakia  
     Hole Blocking Layers in Printed Perovskite Solar Cells with Carbon Back Electrodes  
  •**Prof. Nour-eddine Gabouze**, Unite De Development Technologie Silicium, Alger, Algeria  
     Hydrogen peroxide detection using horseradish peroxidase enzyme immobilized on modified porous silicon  
  •**Dr. Štefan Chromik**, Institute of Electrical Engineering SAS, Bratislava, Slovakia  
     Preparation, structural and electrical properties of YBCO strips with channels created by electron irradiation  
  •**Assoc. Prof. Giovanni Piero Pepe**, Universita di Napoli 'Federico II', Napoli, Italy  
  •**Assoc. Prof. Stanislav Jurecka**, Institute of Aurel Stodola, University of Žilina, Slovakia  
     Microstructure and optical properties of etched silicon layers for photovoltaic applications  
  •**Prof. Renato Gonnelli**, Department of Applied Science and Technology, Politecnico di Torino, Italy  
     High-Tc superconductivity in field-effect hole-doped hydrogenated diamond: An ab-initio approach  
  •**Dr. Erik Piatti**, Department of Applied Science and Technology, Politecnico di Torino, Italy  
     Towards electric field-induced superconductivity in ion-gated diamond surfaces  
  •**Dr. Karrina McNamara**, University of Limerick, Limerick, Ireland  
     Tantalum coating inhibits Ni-Migration from Titanium out-diffusion in NiTi Shape Memory Biomedical Alloy  
  •**Dr. Ehtsham-Ul Haq**, University of Limerick, Limerick, Ireland  
     Tantalum coating inhibits Ni-Migration from Titanium out-diffusion in NiTi Shape Memory Biomedical Alloy  
  •**Assoc. Prof. Martin Kopani**, Faculty of Medicine, Comenius University, Bratislava, Slovakia  
     Effect of etching time on structure of n-type porous silicon  
  •**Prof. Tofail Syed**, University of Limerick, Limerick, Ireland  
     Structure and interface of samarium/anatase nanocomposites lead to visible light absorption  
     and superparamagnetism  
  •**Prof. Wu Lu**, Department of Electrical and Computer Engineering, Ohio State University, USA  
     Temperature Dependent Carrier Transport in Few-Layered MoS2: from Resonant Tunneling to Hopping  
     and to Band Transport