

Programme of the 21st International Conference-School
“Advanced Materials and Technologies 2019”

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Venue: Hotel “Gabija” (<http://www.gabija.lt/en/>)
Vytauto Str. 40, LT-00160
Palanga, Lithuania

Poster Session. August 22, Thursday, 15:30 – 17:25

Poster Session I (P1 – P62) 15:30 – 16:20
Poster Session II (P63 – P124) 16:35 – 17:25

METHODS OF SURFACE ANALYSIS

P1	Atomic Force Microscopy and Scanning Electron Microscopy for Imaging Modified <i>Saccharomyces Cerevisiae</i> Cells with Polypyrrole and Carbon Nanotubes Aura Kisieliute, Vilius Aukscionis, Antanas Zinovicius, Arunas Ramanavicius
P2	Surface Plasmon Resonance Immunosensors for Detection of Human Growth Hormone in Real-Time Elena Dauksaite, Almira Ramanaviciene, Asta Kausaite-Minkstiniene
P3	Spectroscopic Thickness Determination of PE-CVD Graphene, Wet-Transferred on Silicon Substrate Šarūnas Jankauskas, Rimantas Gudaitis, Erika Rajackaitė, Šarūnas Meškinis
P4	Scanning Electrochemical Impedance Microscopy for the Comparison of Healthy and Pathological Human Myocardium-Derived Mesenchymal Stem Cell Jurate Petroniene, Daiva Bironaite, Rokas Miksiunas, Kestutis Rucinskas, Vilius Janusauskas, Arunas Ramanavicius
P5	Application of MMXD and MGIXD Methods for Stress Measurements in the Mechanically Treated Surface Layer of Tungsten Adrian Oponowicz, Marianna Marciszko, Andrzej Baczmański, Sebastian Wroński, Mirosław Wrobel, Christoph Genzel, Manuela Klaus, Chedly Braham, Habib Sidhom

SURFACE ENGINEERING AND NANOSTRUCTURES

P6	Selective Elimination of Atoms or Ions in Crystals and Molecules Produced with X-Rays Arvydas Juozapas Janavičius, Romaldas Purlys, Ringaudas Rinkūnas, Mindaugas Viliūnas, Saulius Daugėla
P7	Electroless Deposition of Pt Using Co(II)/Co(III) Redox System Aldona Jagminienė, Loreta Tamašauskaitė-Tamašiūnaitė, Ina Stankevičienė, Eugenijus Norkus
P8	Formation of Micro Channels in PDMS via Femtosecond Laser Irradiation Mindaugas Juodėnas, Tomas Jurkšas, Tomas Tamulevičius, Artūras Vailionis, Sigitas Tamulevičius
P9	Formation of Porous Silicon in the Cooled Electrolytes Aliaksandra Hurbo, Vitaly Bondarenko
P10	Spectroscopy of Thin Copper Layers on Glass Substrate Maksym Barabash, Vladislav Martynchuk, Leonid Ryabov, Anastasiya Kolesnichenko, Anton Sezonenko, Roman Litvin
P11	High Yield CuO Nanowire Growth Via Thermal Oxidation Method for Application in Nanoelectromechanical Switches Raitis Sondors, Matiss M. Ramma, Edijs Kauranens, Jelena Kosmaca, Raimonds Meija, Mikk Antsov, Donats Erts
P12	Cold Plasma Deposited FeO_x – Application for the Catalytic Conversion of CO₂ to CO Jacek Balcerzak, Ryszard Kapica, Hanna Kierzkowska-Pawlak, Jacek Tyczkowski
P13	Laser Induced Changes in Nanostructure of Plasma-Deposited CoO_x Films Ryszard Kapica, Marcin Kozanecki, Jan Sielski, Jacek Tyczkowski
P14	AlIII-BV QW Structures with Bi for IR Range Optoelectronic Devices Simona Pūkienė, Mindaugas Karaliūnas, Algirdas Jasinskas, Evelina Dudutienė, Bronislovas Čechavičius, Andres Udál, Gintaras Valušis, Renata Butkutė
P15	Comparison of SERS-Activity of Silicon Nanowires Coated with Silver Using Wet and Dry Processes Arseni Klimenka, Sergey Zavatski, Nikita Grevtsov, Hurbo Aliaksandra, Viktor Khaliava, Hannah Bandarenka, Vitaly Bondarenko
P16	Application of Variable Thickness Anodic Alumina as Evaporation Masks for Production of Nanostructured Plasmonic Films and Nanoparticle Arrays Daniels Jevdokimovs, Raimonds Poplauskis, Juris Prikulis, Uldis Malinovskis, Mindaugas Juodėnas, Donats Erts
P17	Decoration of ZnO Nanorod Arrays with Gold Nanoparticles Using Dip-Coating Method Margarita Baitimirova, Uldis Malinovskis, Asta Tamulevičienė, Juris Prikulis, Donats Erts
P18	The Influence of Strong Magnetic Field to Ice-Iron Sliding Properties Ivars Driķis

P19	Investigation of Structured Thin Film Growth by Optical Monitoring Gabija Petrauskaitė, Lina Grinevičiūtė, Lukas Ramalis, Tomas Tolenis
P20	Analysis of Silver Nanoparticle Size Distribution in DLC Matrix Before and After fs-Laser Irradiation Gerda Klimaitė, Aušrinė Jurkevičiūtė, Tomas Tamulevičius, Sigitas Tamulevičius
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P22	Electrical Properties of Single and Multilayer Silicon Nitride Dielectric for Applications in Nanocapacitors Romanova, Elina Pajuste, Gennady Enichek, Aleksandrs Zaslavskis, Jurijs Dehtjars, Gunta Kizane
P23	Fabrication of Bimetallic Fe/Cu Catalyst for Heterogenous Fenton Process Catalysis Aliona Nicolenco, Modestas Vainoris, Francisco Alcaide, Natalia Tsyntsar, Henrikas Cesiulis
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