

CONFERENCE PROGRAM

The 3rd Serbian Conference on Materials Application and Technology - SCOM

October 16th-18th 2024, Belgrade

Wednesday, October 16th, 2024

Vlatacom Institute – Conference hall 09.30-13.00 Registration

Session 1

Session chair Miroslav Dramićanin

10.00-10.15	Opening ceremony
10.15-10.45	Vlatacom Institute presentation Miroslav Perić <i>New program in Vlatacom Institute for laser systems development – the need for new materials</i>
10.45-11.30	Tutorial lecture Anatolijs Šarakovskis <i>Upconversion Luminescence in Rare-Earth Doped Oxyfluoride Materials</i>
11.30-12.00	Coffee Break
Session 2 Session chair Vesna Đorđević	
12.00-12.45	Tutorial lecture Vladimir Pankratov <i>Synchrotron radiation and excitation luminescence spectroscopy of wide bandgap materials</i>
12.45-13.15	Invited lecture Sanja Kuzman <i>Bismuth-Sensitized Eu³⁺ Luminescent LED Technology for Effective Indoor Plant Growth</i>
13.15-13.45	Coffee Break
Session 3 Session chair Vesna Lazić	
13.45-14.00	Aleksandar Ćirić <i>Thin-film/Coating electrolysis printer</i>
14.00-14.15	Katarina Isaković <i>Immobilization of enzyme peroxidase on functionalized magnetite nanoparticles</i>
14.15-14.30	Milica Maričić <i>Electrophoretic deposition of Pr³⁺-doped Y₂SiO₅ thin films for antimicrobial applications</i>
14.30-14.45	Milica Vasić <i>Ni-P-based powder alloys as potential electrocatalysts for oxygen evolution reaction</i>
14.45-15.00	Katarina Milenković <i>Synthesis of Various Rubidium and Cesium Yttrium Fluoride Structures Doped with Europium Ions</i>
15.00-16.30	Vlatacom Institute exhibition and welcome party

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Session 4

Session chair Zoran Ristić

10.00-10.45	Tutorial lecture Isao Tanaka <i>Computational and Informatics Approaches in Ceramics and Metal Science</i> ONLINE
10.45-11.00	Dalibor Sekulić <i>Application of ZnO-modified LNTO ceramics in design of microwave dielectric resonators in LTCC technology</i>
11.00-11.15	Tamara Ivetić <i>Challenges and Perspectives of Heterogeneous Photocatalysis for Water Treatment</i>
11.15-11.45	Coffee Break
Session 5 PSSN WORKSHOP Session chair Dušan Božanić	
11.45-12.00	Piotr Piwowarczyk <i>NEPHEWS support for Serbian User communities use of Neutron and Photon sources</i>
12.00-12.30	Milan Radović <i>Spectroscopy at the Synchrotron, Microscopy of the Quantum World</i>
12.30-13.00	Aleksandar Milosavljević <i>Research at the SOLEIL Synchrotron: A Case Study of XPS Spectroscopy on Complex Systems Isolated in the Gas Phase</i>
13.00-15.00	Lunch Break – Hotel Holiday Inn
Session 6 PSSN WORKSHOP Session chair Dušan Božanić	
15.00-15.30	Emil Božin <i>Total Scattering Approach to Nanoscale Structure in Materials</i> ONLINE
15.30-16.00	Jelena Pajović <i>Synchrotron Radiation DUV Fluorescence Imaging Studies of Internalization of Fluorescent Agents in Live Cells</i>
16.00-16.15	Danijela Danilović <i>Synchrotron Radiation VUV Photoemission Study of the Valence Band Electronic Structure of Ag-Ag₂S/TiO₂Nanomotors</i>
16.15-16.30	Biljana Ristić <i>Impact of N-doped carbon dots on RBC characteristics</i>

Friday, October 18th, 2024

Vlatacom Institute – Conference hall

Session 7

Session chair Aleksandar Ćirić

09.30-10.15	Tutorial lecture Riccardo Marin <i>Optical nanomaterials for biomedical applications</i> ONLINE
10.15-10.45	Invited lecture Vuk Filipović <i>Bacterial nanocellulose: From bacteria to breakthrough biomaterials</i>
10.45-11.00	Daniel Mijailović <i>Alkali-modified cellulose nanocrystal aerogels: advanced hydrophilic separators for high-performance supercapacitors</i>
11:00-11:30	Coffee Break
Session 8	
Session chair Ljubica Đačanin Far	
11:30-12:00	Invited lecture Benoit Fond <i>Imaging techniques for aerospace research using luminescent materials</i> ONLINE
12:00-12:30	Invited lecture Tamara Gavrilović <i>Europium-doped Molybdates for Luminescence Thermometry</i>
12:30	Closing ceremony