

Serbian Ceramic Society Conference
ADVANCED CERAMICS AND APPLICATION V
New Frontiers in Multifunctional Material Science and Processing

Serbian Ceramic Society
Institute of Technical Science of SASA
Institute for Testing of Materials
Institute of Chemistry Technology and Metallurgy
Institute for Technology of Nuclear and Other Raw Mineral Materials
School of Electrical Engineering and Computer Science of Applied Studies

PROGRAM

Serbian Academy of Sciences and Arts, Knez Mihailova 35
Serbia, Belgrade, 21-23. September 2016.

Conference Information:

Venue: Serbian Academy of Sciences and Arts, Great Hall (second floor) and Halls 1, 2 (first floor), Knez Mihailova 35, Belgrade, Serbia

Conference fee: Standard fee for foreign participants: 100 EUR; Standard fee for domestic participants: 50 EUR, Members of SCS and PhD Students: 30 EUR, last year winners for oral and poster presentations: free of charge.

Abstracts and papers publication: The official language of the conference is English. Conference abstracts are published in this Book of Abstracts. Contributions presented at the conference can be submitted for publishing in peer-reviewed Journals Science of Sintering and Journal of Multifunctional Materials and Ceramics as well as for Conference Proceedings published by Atlantic Press.

Type of presentation: Visuals for oral presentations should be in Microsoft PowerPoint, versions up to 2007 (.ppt or .pptx, or Adobe Acrobat Reader 9 (.pdf)). Any animation or video files must be compatible with Windows 7 and Windows Media Player. Please bring your presentation to the reception desk at the beginning of the Conference on flash memory. Posters should be prepared in dimension: 70x100 cm. The official language of the conference is English.

Restaurant Peking, Vuka Karadžića 2 (50m from the Conference Venue).

Additional Conference information

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<http://www.serbianceramicsociety.rs/about.htm>



Program Overview

Date	Time	PROGRAMME	Floor, Room
September, 21, Wednesday	08.00-09.00	Registration	2 nd Floor, Hall
	09.00-09.20	Opening Ceremony	2 nd Floor, Great Hall
	09.20-09.30	Short Break	2 nd Floor, Hall
	09.30-12.00	Plenary Session 1	2 nd Floor, Great Hall
	12.00-12.30	Coffee Break & Photo Session	2 nd Floor, Hal
	12.30-14.00	Plenary Session 2	2 nd Floor, Great Hall
	14.00-15.00	Buffet Lunch	Club SASA, Mezzanine
	15.00-17.00	Plenary Session 3	2 nd Floor, Great Hall
	17.00-17.30	Coffee Break	2 nd Floor, Hall
	17.30-19.00	Plenary Session 4	2 nd Floor, Great Hall
20.00	Conference Dinner (with invitation only)	Restaurant Peking	
September, 22, Thursday	08.00-09.00	Registration Poster and Exhibition Installation	1 st Floor, Hall
	09.00-10.40	Keynote Session 1	1 st Floor, Blue Hall
	10.40-11.00	Coffee Break	1 st Floor, Hall
	11.00-13.00	1 st Session: Basic Ceramic and Sintering	1 st Floor, Blue Hall
	13.00-14.00	Buffet Lunch	Club SASA Mezzanine
	14.00-15.40	Keynote Session 2	1 st Floor, Blue Hall
	15.40-16.10	Coffee Break	1 st Floor, Hall
	16.10-17.55	2 nd Session: Nano, Opto, Bio and Multifunctional Ceramic	1 st Floor, Blue Hall
	17.55-18.15	Round table 1 Atlantis Press Publishing	1 st Floor, Blue Hall
	18.15-19.15	Poster Session	1 st Floor, Hall
September, 23, Friday	09.00-11.05	Keynote Session 3	1 st Floor, Blue Hall
	11.05-11.30	Coffee Break	1 st Floor, Hall
	11.30-13.15	3 rd Session: Magnetic, Amorphous, Composites and Catalysts	1 st Floor, Blue Hall 2
	13.15-14.15	Buffet Lunch	Restaurant Peking
	14.15-16.35	4 th Session: Construction materials, Eco-ceramic and Heritage	1 st Floor, Blue Hall 2
	16.35-17.30	Round Table 2 Intelligent materials for the future: Serbia-EU cooperation perspectives	1 st Floor, Blue Hall 2
	17.30	Closing Ceremony	1 st Floor, Blue Hall 2

Wednesday, September 21st, 2016

Hall, 2nd Floor

08.00–09.00 **Registration**

Great Hall, 2nd Floor

09.00–09.20 **Opening Ceremony of the Fifth Serbian Ceramic Society Conference:
Advanced Ceramics and Application**
Prof. Dr. Vojislav Mitić, Prof. Dr. Olivera Milošević, Prof. Dr. Vladimir Pavlović, Prof. Dr. Danilo Suvorov, Dr. Zeger Karssen, Prof. Dr. Muamer Zukorlić, High-representative of Government

09.20–09.30 **Short break**

Great Hall, 2nd Floor

09.30–12.00 **Plenary Session 1**
Chairpersons: Branislav Vlahović, Vladimir Pavlović

09.30–10.00 **PL1 Novel Graphene and Graphene like 2D materials synthesis**
Chuanbao Cao
Research Center of Materials Science, Beijing Institute of Technology, China

10.00–10.30 **PL2 Fundamental mechanisms that determine the loss tangent and temperature coefficient of resonant frequency (τ_F) in modern microwave ceramic dielectrics**

Nathan Newman¹, Shengke Zhang¹, Hasan Sahin^{2,4}, Engin Torun², Francois Peeters², Dinesh Martien³, Tyler DaPron³, and Neil Dilley³

¹Arizona State University, Tempe, AZ

² Dept. Of Physics, University of Antwerp, Belgium

³Quantum Design, San Diego, CA

⁴Department of Photonics, Izmir Institute of Technology, Turkey

10.30–11.00 **PL3 PL3 Rare earth oxide stabilized zirconia ceramics and composites with enhanced mechanical and functional properties**

Frank Kern

Universität Stuttgart, IFKB Stuttgart, Deutschland

11.00–11.30 **PL4 New Superionic Conductor Narpsio Glass-Ceramics**

Toshinori Okura

Department of Applied Chemistry, School of Advanced Engineering, Kogakuin University, Tokyo, Japan

- 11.30–12.00 **PL5 Oxides Powders Produced by Plasma-Spray Pyrolysis Technique and Sintered Ceramics for Structural and Biomedical Applications**
Sergey N. Kulkov
Ceramic Composites Lab., Inst. of Strength Phys. and Material Sciences, RAS,
Tomsk, Russia and Tomsk State University
- 12.00–12.30 **Coffee Break and Photo Session** **Hall, 2nd Floor**
Great Hall, 2nd Floor
- 12.30–14.00 **Plenary Session 2**
Chairpersons: Chuanbao Cao, Lidija Mančić
- 12.30–13.00 **PL6 Morpho-Genetic Materials: Functional Materials Replicated from Superstructures of Natural Species**
Di Zhang
State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, China
- 13.00–13.30 **PL7 Air-Stable High Efficiency Hybrid Solar Cells Based on Metal Oxide and Graphene**
Yoon-Bong Hahn
School of Semiconductor and Chemical Engineering, Chonbuk National University, Republic of Korea
- 13.30–14.00 **PL8 Modelling of Weakly Coupled Nanoparticles**
Branislav Vlahovic, Igor Filikhin
North Carolina Central University, Durham, New York, USA
- 14.00–15.00 **Buffet Lunch** **Club SASA, Mezzanine Hall, 1st floor**
Great Hall, 2nd Floor
- 15.00–17.00 **Plenary Session 3**
Chairpersons: Frank Kern, Dušan Jovanović
- 15.00–15.30 **PL9 $Zr_{n+1}AlC_n$ MAX phases for future fission environments**
Eugenio Zapata Solvas
Centre for Nuclear Engineering, Department of Materials, Imperial College London, UK
- 15.30–16.00 **PL10 Geopolimers: Versatile Ceramic Composites Made at Ambient Temperatures, or Precursors to HT Structural Ceramic Powders**
Waltraud Kriven
Department of Material Science & Engineering, University of Illinois USA
- 16.00–16.30 **PL11 Spectroscopic studies of heavy metal glasses**
Saleem Farooq Shaukat, Robina Farooq
COMSATS Institute of Information Technology, Lahore, Pakistan

- 16.30–17.00 **PL12 The Role of Microstructural Features in High Frequency and Energy Ceramics**
Danilo Suvorov
Advanced Materials Department, Jozef Stefan Institute, Ljubljana, Slovenia
- 17.00–17.30 **Coffee Break** **Hall, 2nd Floor**
- Great Hall, 2nd Floor
- 17.30–19.00 **Plenary Session 4**
Chairpersons: Di Zhang, Dragoljub Mirjanić
- 17.30–18.00 **PL13 Design and development of car body from composite materials using single step resin infusion process**
Zaffar M. Khan
Department of Aeronautics and Astronautics, Institute of Space Technology
Islamabad, Pakistan
- 18.00–18.30 **PL14 Porous Mano Structured Ceramics – From Bulk to Nanofibers**
G. S. Grader
Chemical Engineering Department, Technion, Haifa, 32000, ISRAEL
- 18.30–19.00 **PL15 Multi Layer Ceramics: Design and Process Methods**
Krishnamurty Balasubramanian
Nonferrous Materials Technology Development Centre, Kanchanbagh, Hyderabad, India
- 20.00 **Conference Dinner** **Restaurant Peking**
(with invitations)

Thursday, September 22nd, 2016

Hall, 1st floor

08.00–09.00 **Registration**
Posters Installation

Blue Hall 2, 1st floor

09.00–10.40 **Keynote Session 1**
Chairpersons: Smilja Marković, Suzana Filipović

09.00–09.25 **KN1 Bioelectrochemical harvesting of greenhouse gases**
Robina Farooq, Saleem Farooq Shaukat
COMSATS Institute of Information Technology, Lahore, Pakistan

09.25–09.50 **KN2 Metallic Butterfly Scales: Fabrication and Their Plasmonic Applications**
Jiajun Gu
State Key Laboratory of Metal Matrix Composites, Shanghai Jiao Tong University, China

09.50–10.15 **KN3 Modeling Liquid Bridge Rupture Induced by Grain Rearrangement**
Zoran S. Nikolic
University of Niš, Faculty of Electronic Engineering, Department of Microelectronics, Niš, Serbia

10.15–10.40 **KN4 Electric Discharge Coating of Metals with Ceramic Compounds**
Şükrü Talaş
Department of Metallurgical and Materials Engineering, Faculty of Technology Afyon Kocatepe University, A.N.S. Campus, Turkey

10.40–11.00 **Coffee Break** **Hall, 1st floor**

Blue Hall 2, 1st floor

11.00–13.00 **1st Session: Basic Ceramic and Sintering**
Chairpersons: Vaclav Pouchly, Nina Obradović

11.00–11.20 **INV1 Curie-Weiss Law Fractal Corrections and Clausius-Mossotti Equation**
Vojislav V. Mitić^{1,2}, Ljubiša M. Kocić¹, Vesna V. Paunović¹
¹University of Niš, Faculty of Electronic Engineering, Niš, Serbia
²Institute of Technical Sciences of SASA, Belgrade, Serbia

11.20–11.40 **INV2 Resonant ultrasound spectroscopy in the study of relaxation processes in tetragonal tungsten bronzes**
Andrei Rotaru
INFLPR – National Institute for Laser, Plasma and Radiation Physics, Laser Department, Bucharest, Romania

- 11.40–12.00 **INV3 Modeling, designing and processing of barium titanate stannate functionally graded electroceramics**
Smilja Marković¹, Srečo Davor Škapin², Boban Stojanović³, Danilo Suvorov², Dragan Uskoković¹
¹Institute of Technical Sciences of SASA, Belgrade, Serbia
²Jožef Stefan Institute, Ljubljana, Slovenia
³Faculty of Science, University of Kragujevac, Serbia
- 12.00–12.15 **OR1 The Rare-Earths influences on doped BaTiO₃ Ceramics Microstructure and Electric Characteristics**
Vesna V. Paunović¹, Vojislav V. Mitić^{1,2}, Ljubiša M. Kocić¹, Miloš Marjanović¹, Miloš Đorđević¹
¹ University of Nis, Faculty of Electronic Engineering, Niš, Serbia
² Institute of Technical Sciences of SASA, Belgrade, Serbia
- 12.15–12.30 **OR2 Implementation of Wide-Bandgap Materials in Power Electronics Components**
Jelena Milojković¹, Simon Le Blond², Vojislav Mitić³, Vančo Litovski²
¹Inovation centre of advanced technologies, Niš, Serbia
²University of Bath, Bath, UK
³Serbian Academy of Science and Arts, Belgrade, Serbia
- 12.30–12.45 **OR3 The nonorthogonality effects on capacitive behaviour of quantum dot**
Miloš S. Dražić, Ivana Đurišić, Viktor Z. Cerovski and Radomir Žikić
Institute of Physics, University of Belgrade, Pregrevica 118, Belgrade
- 12.45–13.00 **OR4 Spectroscopy characterization of YFeO₃ obtained by the mechanochemical synthesis**
Zorica Ž. Lazarević¹, Čedomir Jovalekić², Dalibor Sekulić³, Valentin N. Ivanovski⁴, Ana Umićević⁴, Martina Gilić¹, Nebojša Ž. Romčević¹
¹Institute of Physics, University of Belgrade, Belgrade, Serbia
²The Institute for Multidisciplinary Research, University of Belgrade, Serbia
³Faculty of Technical Sciences, University of Novi Sad, Serbia
⁴Institute of Nuclear Sciences Vinča, University of Belgrade, Serbia
- 13.00–14.00 **Buffet Lunch** **Club SASA, Mezzanine**
- Blue Hall 2, 1st floor
- 14.00–15.40 **Keynote Session 2**
Chairpersons: Vladimir Blagojević, Dragana Jugović
- 14.00–14.25 **KN5 Environmental forensics – concepts and contemporary challenges**
Goran Kniewald
Rudjer Bošković Institute, Zagreb, Croatia
- 14.25–14.50 **KN6 Fractals, Materials and Energy Technologies**
Ljubiša M. Kocić¹, Vojislav V. Mitić^{1,2}, Vesna V. Paunović¹
¹University of Niš, Faculty of Electronic Engineering, Niš, Serbia
²Institute of Technical Sciences of SASA, Belgrade, Serbia

- 14.50–15.15 **KN7 Yttrium doped barium cerate: ceramic matrix in the solid oxide fuel cells**
Margarita Gabrovska¹, Dimitrinka Nikolova¹, Slavcho Rakovsky¹, Daria Vladikova², Emiliya Mladenova², Zdravko Stoynov²
¹Institute of Catalysis, Bulgarian Academy of Sciences, Sofia, Bulgaria
²Acad. Evgeni Budevski Institute of Electrochemistry and Energy Systems, Bulgarian Academy of Sciences, Sofia, Bulgaria
- 15.15–15.40 **KN8 Implementation of innovations in the field of solar energy in Southeast Europe through the analysis and encouraging the development of solar energy on a global scale**
Dragoljub Lj. Mirjanić¹, Snežana Pelemiš²
¹Academy of Sciences and Arts of Republic of Srpska, B&H
²Faculty of Technology, University of East Sarajevo, B&H
- 15.40–16.10 **Coffee Break** **Hall, 1st floor**
Blue Hall 2, 1st floor
- 16.10–17.55 **2nd Session – Nano, Opto, Bio and Multifunctional Ceramic**
Chairpersons: Zorica Lazarević, Vesna Paunović
- 16.10–16.30 **INV4 Electrical characterization of YFeO₃ nanoferrite and its potential application for humidity sensing**
Dalibor L. Sekulić¹, Zorica Ž. Lazarević², Čedomir D. Jovalekić³, Nebojša Ž. Romčević²
¹University of Novi Sad, Faculty of Technical Sciences, Novi, Serbia
²University of Belgrade, Institute of Physics, Belgrade, Serbia
³University of Belgrade, The Institute for Multidisciplinary Research, Belgrade, Serbia
- 16.30–16.50 **INV5 Development and Evaluation of glass-like coatings for cardiovascular implant applications such as stents**
M. Amlung¹, K. Kiefer^{1,2}, P. W. de Oliveira¹, H. Abdul-Khaliq²
¹INM – Leibniz-Institute for New Materials, 66123 Saarbrücken, Germany
²Clinic for Pediatric Cardiology, Saarland University, 66124 Homburg, Germany
- 16.50–17.10 **INV6 A review on the selection of anode materials for solid-oxide fuel cells**
Shabana P. S. Shaikh, and K.P.Adhi
Advanced Materials Processing Lab, Department Of Physics, SBP, Pune University, Pune, India
- 17.10-17.25 **OR5 Synthesis and structural characterization of some cathode materials for lithium-ion batteries**
Dragana Jugović¹, Miodrag Mitrić²
¹Institute of Technical Sciences of SASA, Belgrade, Serbia
²Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia
- 17.25-17.40 **OR6 Application of Ceramic Components in Knee Arthroplasties**
Aleksandar Radunović¹, Zoran Popović², Aleksandar Jevtić¹
¹MD,MMA, Belgrade, Serbia
²Vožd clinic, Belgrade, Serbia

- 17.40-17.55 **OR7 In vivo degradation of Bio-Oss® in implants loaded with macrophages treated with lipopolysaccharide**
Jelena Živković¹, Sanja Stojanović¹, Marija Vukelić-Nikolić¹, Jelena Najdanović¹, Vladimir Cvetković², Maja Čakić-Milošević³, Stevo Najman¹
¹University of Niš, Faculty of Medicine, Institute of Biology and Human Genetics, Department for Cell and Tissue Engineering, Niš, Serbia
²University of Niš, Faculty of Science and Mathematics, Department of Biology and Ecology, Niš, Serbia
³University of Belgrade, Faculty of Biology, Belgrade, Serbia
- 17.55-18.15 **Round table 1 Atlantis Press Publishing**
Moderator: Zeger Karssen
- 18.15-19.15 **Poster Session** **Hall, 1st floor**

Friday, September 23rd, 2016

Blue Hall 2, 1st floor

- 09.00-11.05 **Keynote Session 3**
Chairpersons: Goran Kniewald, Ljubiša Kocić
- 09.00-09.25 **KN9 Energy storage systems for stationary applications**
Palani Balaya
Department of Mechanical Engineering, National University of Singapore, Singapore
- 09.25-09.50 **KN10 Smart composite materials for waste water remediation**
Ajay Kumar Mishra
Nanotechnology and Water Sustainability Research Unit, College of Science, Engineering and Rechnology, University of South Africa, South Africa
- 09.50-10.15 **KN11 Magnetic properties of melt-spun alnico-v alloy ribbon**
Feroz A. Khan
Department of Physics, Bangladesh University of Engineering and Technology (BUET), Dhaka-1000, Bangladesh
- 10.15-10.40 **KN12 The rainbow ion-solid interaction potential**
Srdan Petrović
Laboratory of Physics, Vinča Institute of Nuclear Sciences, University of Belgrade, P. O. Box 522, 11001 Belgrade, Serbia
- 10.40-11.05 **KN13 An overview of ceramics in dentistry: Basic properties and clinical applications**
Csaba Hegedűs
University of Debrecen, Department of Biomaterials and Prosthetic Dentistry, University of Debrecen, Hungary
- 11.05-11.30 **Coffee Break** **Hall, 1st floor**

Blue Hall 2, 1st floor

- 11.30-13.15 **3rd Session: Magnetic, Amorphous, Composites and Catalysts**
Chairpersons: Dalibor Sekulić, Christina Graf
- 11.30-11.50 **INV7 Silica-based Catalytic Systems Prepared by Sol-Gel Methods**
Raed Abu-Reziq
Institute of Chemistry, Casali Center for Applied Chemistry, Center for Nanoscience and Nanotechnology, The Hebrew University, Jerusalem, Israel

- 11.50-12.10 **INV8 Ceramic powder compaction: numerical simulation and calibration through inverse analysis**
Vladimir Buljak, Shwetank Pandey, Milorad Milovancevic
University of Belgrade, Mechanical Engineering Faculty, Department of Strength of Materials
- 12.10-12.30 **INV9 Comparative fractal analysis of Valeriana officinalis roots shrinkage during drying**
Ivan J. Zlatanović¹, Dragana V. Rančić¹, Vojislav V. Mitić^{2,3}, Ljubiša Kocić³
¹University of Belgrade – Faculty of Agriculture
²Institute of Technical Sciences of SASA
³University of Niš – Faculty of Electronic Engineering
- 12.30-12.45 **OR8 Mo-doped TiO₂ nanocomposite coatings: visible light photocatalytic activity and antifungal efficiency**
Bojan Miljević¹, J. M. Van der Bergh¹, S. Vučetić¹, A. Vidaković¹, S. Markov¹, D. Lazar², J. Ranogajec¹
¹University of Novi Sad, Faculty of Technology, Novi Sad, Serbia
²University of Novi Sad, Faculty of Sciences, Department of Physics, Novi Sad, Serbia
- 12.45-13.00 **OR9 Characterisation of Mn_{0.63}Zn_{0.37}Fe₂O₄ powders after intensive milling and subsequent thermal treatment**
Nebojša Labus¹, Zorka Vasiljević¹, Obrad Aleksić¹, Miloljub Luković¹, Smilja Marković¹, Vladimir Pavlović¹, Slavko Mentus^{2,3}, Maria Vesna Nikolić⁴
¹Institute of Technical Sciences of SASA, Beograd, Serbia
²Faculty of Physical Chemistry, University of Belgrade, Serbia
³Serbian Academy of Sciences and Arts, Belgrade, Serbia
⁴Institute for Multidisciplinary Research, University of Belgrade, Beograd, Serbia
- 13.00-13.15 **OR10 Optical and structural characterization of Se–CuSe₂ thin films**
Martina Gilić¹, Milica Ćurčić¹, Jovana Ćirković², Uroš Ralević¹, Miodrag Mitrić³, Tanja Barudžija³, Svetlana Savić-Šević¹, Nebojša Romčević¹, Ibrahim Yahia⁴
¹Institute of Physics Belgrade, University of Belgrade, Belgrade, Serbia
²The Institute for Multidisciplinary Research, University of Belgrade, Belgrade, Serbia
³Institute of Nuclear Sciences Vinča, University of Belgrade, Belgrade, Serbia
⁴Nano-Science and Semiconductors Labs., Physics department, Faculty of Education, Ain Shams University, Roxy, Cairo, Egypt
- 13.15-14.15 **Buffet Lunch** **Restaurant Peking**
- 14.15-16.35 **4th Session: Constructional, Eco-ceramic and Catalysts**
Chairpersons: Vladimir Pavlović, Darko Kosanović
- 14.15-14.35 **INV10 Silica particles with controlled roughness – synthesis, characterization, and use as building blocks for non-close packed arrays**
Christina Graf, Christian Goroncy, Madlen Schmudde, Christian Grunewald, Thomas Risse
Institut für Chemie und Biochemie, Freie Universität Berlin, Germany

- 14.35-14.55 **INV11 Influence of different pore-forming agents on wollastonite microstructures**
Nina Obradović¹, Suzana Filipović¹, Smilja Marković¹, Miodrag Mitrić², Vesna Antić³, Vladimir B. Pavlović¹
¹Institute of Technical Sciences of SASA, Belgrade, Serbia
²Vinča Institute of Nuclear Sciences, University of Belgrade, Belgrade, Serbia
³Faculty of Agriculture, University of Belgrade, Belgrade, Serbia
- 14.55-15.15 **INV12 Education and materials science in cultural heritage preservation**
Jonjaua Ranogajec¹, Slavica Vujović², Snežana Vučetić¹, Bojan Miljević¹, Helena Hiršenberger³, John Milan van der Bergh¹
¹University of Novi Sad, Faculty of Technology, Novi Sad, Serbia
²Provincial Institut for Protection of Cultural Heritage Monuments, Petrovaradin, Serbia
³University of Novi Sad, Faculty of Technical Sciences, Novi Sad, Serbia
- 15.15-15.35 **INV13 Characteristics of mortar from the archeological site Romuliana – Gamzigrad**
Gordana A. Topličić-Čurčić¹, Ana J. Momčilović-Petronijević¹, Vojislav V. Mitić^{2,3}, Vesna V. Paunović², Dušan Z. Grdić¹, Nenad S. Ristić¹, Zoran J. Grdić¹
¹University of Nis, Faculty of Civil Engineering and Architecture, Nis, Serbia
²University of Nis, Faculty of Electronic Engineering, Nis, Serbia
³Serbian Academy of Science and Art, Institute of Technical Sciences, Belgrade, Serbia
- 15.35-15.50 **OR11 Conservation and restauration of seven paintings by Veljko Zecevic on canvas**
Filip Jankovic
Graduated painter-restorer, a freelancer, Belgrade, Serbia
- 15.50-16.05 **OR12 Detoxication of methanol from water solution using zeolite**
Milena S. Stojiljković¹, Staniša T. Stojiljković²
Faculty of Technology Leskovac, University of Niš
- 16.05-16.20 **OR13 Importance of the synergical application of the EU regulation on construction products (EU CPR 305/2011) from the fire safety aspect**
Edin Garaplija, Sanin Džidić
Institute for Fire and Explosion Safety and Protection, Sarajevo
- 16.20-16.35 **OR14 The in-situ challenge of better understanding structure-properties relationship in nanomaterials**
Dušan Popović
Analysis
- 16.35-17.30 **Round table 2 Intelligent materials for the future: Serbia-EU perspectives for cooperation**
Moderators: Vladimir Pavlović, Nina Obradović
- 17.30 **Closing Ceremony**

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