



Scientific Symposium  
**Days of Diaspora and (Scientific) Partners** (of Montenegro)

Naučni simpozijum  
**Dani Dijaspore i (Akademskih) Prijatelja** (Crne Gore)

Podgorica  
October **18-19** Oktobar **2023**



**TOPICS**



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<b>Ilija Antović</b> Faculty of Organizational Sciences, UBG, SRB <i>Advances in Software Engineering: User Interface</i>	<i>Novine u softverskom inženjerstvu: Korisnički interfejs</i>
<b>Dušica Babović-Vuksanović</b> Mayo, Rochester, USA <i>Advances in Management of Neurofibromatosis Type 1</i>	<i>Najnovija istraživanja u domenu kontrole neurofibromatoze tip 1</i>
<b>Vesna Bengin</b> BioSense, UNS, SRB <i>Advanced Sensing for the Agriculture of the Future</i>	<i>Napredni senzori za poljoprivredu budućnosti</i>
<b>Nikola Bešić</b> IGN, Nansy, FRA <i>Remote Sensing: An Experience of Atmospheric and Forest Observations in the Context of the Changing Climate</i>	<i>Teledetekcija: Iskustvo posmatranja atmosfere i šuma u kontekstu promenljive klime</i>
<b>Ivan Božović</b> BNL & Yale, USA <i>Reporting from the Frontiers of Superconductivity Research</i>	<i>Izveštaj sa fronta istraživanja o superprovodnosti</i>
<b>Iilir Ćapuni</b> Barleti University, ALB <i>A Mechanistic Model for Cancer: Exploring the Automata Rules that Cause Uncontrolled Cell Proliferation</i>	<i>Mehanički model raka: Istraživanje zakonitosti koje uzrokuju nekontrolisanu profelaciju ćelija</i>
<b>Mensur Dlakić</b> Montana State University, USA <i>How to Maintain Life in Boiling Acid</i>	<i>Kako se život održava u ključaljoj kisjelini</i>
<b>Dražen Drašković</b> School of Electrical Engineering, UBG, SRB <i>AI – Apocalypse or Revolution</i>	<i>Vjestačka inteligencija – apokalipsa ili revolucija</i>
<b>Vladan Đokić</b> Rector, UBG, SRB <i>Advances in Urban: Praxis of Urban Morphology</i>	<i>Napredak u urbanizmu: Praksa urbane morfologije</i>
<b>Courtney Jungers &amp; Sergej Đuranović</b> WUSTL, St. Louis, USA <i>New Therapies for Haploinsufficiency-related Genetic Diseases</i>	<i>Nove terapije za genetske bolesti uzrokovane haploinsuficijencijom</i>
<b>Ivana Đuričić</b> Faculty of Pharmacy, UBG, SRB <i>Nutraceuticals and Dietary Supplements in Health Promotion</i>	<i>Nutraceutici i dijetetski suplementi u promociji zdravlja</i>
<b>Siniša Đurović</b> University of Manchester, GBR <i>Advances in Power Engineering</i>	<i>Najnovija istraživanja u energetici</i>
<b>Nenad Filipović</b> Rector, UKG & Harvard University, Boston, USA <i>Digital Patients, Myth or Reality?</i>	<i>Digitalni pacijenti, mit ili stvarnost?</i>
<b>Antonija Krstačić</b> Faculty of Medicine, University of Osijek, CRO <i>Biomarkers for Acute Traumatic Brain Injury</i>	<i>Biomarkeri za akutnu traumatsku povredu mozga</i>
<b>Goran Krstačić &amp; Antonija Krstačić</b> Institute for Cardiovascular Prevention and Rehabilitation, Zagreb & University of Osijek, CRO <i>New Screening Program for Cardiovascular Risk in Asymptomatic People</i>	<i>Novi program skrininga za kardiovaskularni rizik kod asimptomatskih osoba</i>
<b>Elma Kurtagić</b> Johnson & Johnson Innovative Medicines, Boston, USA <i>Unraveling Disease Complexity and Novel Target Discovery in Systemic Sclerosis (SSc)</i>	<i>Otkrivanje složenosti bolesti i otkrivanje novog cilja kod sistemske skleroze (SSc)</i>
<b>Vladan Kuzmanović</b> Dean, Faculty of Civil Engineering, UBG, SRB <i>Power Plants and Diversification of Energy Sources</i>	<i>Elektrane i diverzifikacija izvora energije</i>
<b>Slobodan B. Marković</b> UNS, SRB <i>Paleoclimate and Humans</i>	<i>Paleoklima i ljudi</i>



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### TOPICS

**Miodrag Mateljević** SANU, SRB

*Hyperbolic, Euclidean, Minkowski Geometry and Theory of Special Relativity*

*Hiperbolička, euklidska, geometrija Minkovskog i teorija specijalne relativnosti*

**Fedor Mesinger** SANU, SRB

*Cut-cell Eta Model in Weather and Climate: Challenges Overcome*

*Eta model za vreme i regionalnu promenu klime: Savladani problemi*

**Miodrag J. Mihaljević** SANU, SRB

*Artificial Intelligence, ChatGPT, and Blockchain Issues*

*Problemi s vještačkom inteligencijom, ChatGPT-om i Blockchain-om*

**Branislav Mitrović** SANU, CANU & Faculty of Architecture, UBG, SRB

*Advances in the Protection of Traditional Architectural Heritage*

*Najnoviji trendovi u zaštiti tradicionalne arhitektonske baštine*

**Veljko Milutinović** Indiana University, USA

*DataFlow SuperComputing for BigData DeepAnalytics*

*Super kompjuteri na bazi toka podataka za velike podatke i duboku analitiku*

**Petraq Papajorgji** Tirana, ALB & University of Florida, USA

*Why is it Important to Use Quantitative Methods in Social Studies*

*Zašto je važno koristiti kvantitativne metode u društvenim naukama*

**Dušanka Savić-Pavićević** Faculty of Biology, UBG, SRB

*Repeat Expansion Disorders in the Genomic Era*

*Bolesti ekspanzija ponovaka u genomskej eri*

**Petar Seferović** SANU, SRB

*Advances in Cardiology*

*Najnovija istraživanja u kardiologiji*

**Bratislav E. Stipanić** Project Biro Utiber, SRB / HUN

*Modern Cable-Stayed Bridges*

*Savremeni mostovi sa kosim kablovima*

**Petar Šćepanović** Roche, Basel, CHE

*Interplay Between Human Genetics and the Microbiome in Patients in Clinical Trials*

*Interakcija ljudske genetike i mikrobioma kod pacijenata u kliničkim ispitivanjima*

**Petar Tadić** Yale, USA

*Bootstrapping Quantum Field Theories*

*Butstrapovanje kvantnih teorija polja*

**Demetrios Theophylactou** Harvard University, USA & Cosmos Open University, CYP

*Sinergizing Technology and Social Studies*

*Sinergija tehnologija i društvenih nauka*

**Milo Tomašević** School of Electrical Engineering, UBG, SRB

*Time-Memory Trade-off in Computer Applications*

*Kompromis između zahtjeva vremena i prostora u računarstvu*

**Vuk Uskoković** SDSU, San Diego, USA

*Selected Research from the Past Decade and Development Opportunities*

*Odabrana istraživanja u prošloj dekadi i nove mogućnosti za razvoj*

**Milica Vujković** Faculty of Physical Chemistry, UBG, SRB

*Looking at the Future Through the Prism of Battery Systems*

*Pogled u budućnost kroz prizmu baterijskih sistema*