



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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TOPICS

Ilija Antović Faculty of Organizational Sciences, UBG, SRB

*Advances in Software Engineering:
User Interface*

*Novine u softverskom inženjerstvu:
Korisnički interfejs*

Dušica Babović-Vuksanović Mayo, Rochester, USA

*Advances in Management
of Neurofibromatosis Type 1*

*Najnovija istraživanja u domenu kontrole
neurofibromatoze tip 1*

Vesna Bengin BioSense, UNS, SRB

Advanced Sensing for the Agriculture of the Future

Napredni senzori za poljoprivredu budućnosti

Nikola Bešić IGN, Nansy, FRA

*Remote Sensing: An Experience of Atmospheric
and Forest Observations in the Context
of the Changing Climate*

*Teledetekcija: Iskustvo posmatranja
atmosfera i šuma u kontekstu
promenljive klime*

Ivan Božović BNL & Yale, USA

CANCELLED

Reporting from the Frontiers of Superconductivity Research

Izveštaj sa fronta istraživanja o superprovodnosti

Ilir Ćapuni Barleti University, ALB

*A Mechanistic Model for Cancer: Exploring the Automata
Rules that Cause Uncontrolled Cell Proliferation*

*Mehanički model raka: Istraživanje zakonitosti
koje uzrokuju nekontrolisanu profelaciju ćelija*

Mensur Dlakić Montana State University, USA

How to Maintain Life in Boiling Acid

Kako se život održava u ključaljoj kisjelini

Dražen Drašković School of Electrical Engineering, UBG, SRB

AI – Apocalypse or Revolution

Vjestačka inteligencija – apokalipsa ili revolucija

Vladan Đokić Rector, UBG, SRB

Advances in Urbanism: Praxis of Urban Morphology

Napredak u urbanizmu: Praksa urbane morfologije

Courtney Jungers & **Sergej Đuranović** WUSTL, St. Louis, USA

*New Therapies for Haploinsufficiency-related
Genetic Diseases*

*Nove terapije za genetske bolesti
uzrokovane haploinsuficijencijom*

Ivana Đuričić Faculty of Pharmacy, UBG, SRB

Nutraceuticals and Dietary Supplements in Health Promotion

Nutraceutici i dijetetski suplementi u promociji zdravlja

Siniša Đurović University of Manchester, GBR

Advances in Power Engineering

Najnovija istraživanja u energetici

Nenad Filipović Rector, UKG & Harvard University, Boston, USA

Digital Patients, Myth or Reality?

Digitalni pacijenti, mit ili stvarnost?

Antonija Krstačić Faculty of Medicine, University of Osijek, CRO

Biomarkers for Acute Traumatic Brain Injury

Biomarkeri za akutnu traumatsku povredu mozga

Goran Krstačić & Antonija Krstačić Institute for Cardiovascular Prevention and Rehabilitation, Zagreb & University of Osijek, CRO

*New Screening Program for Cardiovascular Risk
in Asymptomatic People*

*Novi program skrininga za kardiovaskularni rizik
kod asimptomatskih osoba*

Elma Kurtagić Johnson & Johnson Innovative Medicines, Boston, USA

*Unraveling Disease Complexity
and Novel Target Discovery in Systemic Sclerosis (SSc)*

*Otkrivanje složenosti bolesti
i otkrivanje novog cilja kod sistemske skleroze (SSc)*

Vladan Kuzmanović Dean, Faculty of Civil Engineering, UBG, SRB

Power Plants and Diversification of Energy Sources

Elektrane i diverzifikacija izvora energije

Slobodan B. Marković UNS, SRB

Paleoclimate and Humans

Paleoklima i ljudi



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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