|  |  |
| --- | --- |
|  |  |
| CRNOGORSKA AKADEMIJA  NAUKA I UMJETNOSTI | UNIVERZITET CRNE GORE |

NAUČNI SIMPOZIJUM

**NAUKA I MALE ZEMLJE:**

**SINERGIJA DIJASPORE I MATICE   
SA PRIJATELJIMA CRNE GORE**

\*

SCIENTIFIC SYMPOSIUM

**SCIENCE AND SMALL COUNTRIES:**

**SINERGY OF THE DIASPORA AND THE MOTHERLAND WITH FRIENDS OF MONTENEGRO**

PROGRAM

1 – 4. novembar 2022 / November 1 – 4, 2022, Podgorica

***Počasni savjetodavni odbor — članovi Odjeljenja prirodnih nauka CANU***

***Honorary Advisory Committee – Members of the Department   
of Natural Sciences of CANU***

Professor Vaso Antunović, associate member

Academician Slobodan Backović

Academician Ranislav Bulatović

Academician Momir Đurović

Academician Igor Đurović

Academician Milojica Jaćimović

Academician Gordan Karaman

Academician Vladimir Lubarda

Academician Predrag Miranović, Secretary

Academician Goran Nikolić

Academician Vukić Pulević

Academician Ljubiša Stanković

Academician Svjetlana Terzić

Academician Petar Vukoslavčević

Academician Perko Vukotić

***Dvoinstitucionalni Upravni odbor  
Bi-Institutional Steering Committee***

Professor Vaso Antunović, associate member, CANU

Professor Vladimir Božović, Rector, University of Montenegro

Assist. Prof. Anđela Draganić, University of Montenegro

Professor Veljko Milutinović, foreign member of CANU, Chair

Academician Predrag Miranović, Secretary, Department of Natural Sciences, CANU

Academician Goran Nikolić, CANU

Professor Irena Orović, Vice-rector, University of Montenegro

Academician Ljubiša Stanković, Vice-president, CANU

Assist. Prof. Isidora Stanković, University of Montenegro

Academician Svjetlana Terzić, CANU

Academician Petar Vukoslavčević, CANU

**SRIJEDA, 2. NOVEMBAR / WEDNESDAY, NOVEMBER 2**

|  |  |  |
| --- | --- | --- |
| 09.00–11.30 | **OTVARANJE** | **OPENING** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In chair:* |
|  | Predsjedništvo  Crnogorske akademije  nauka i umjetnosti (CANU)  i Rektorski kolegijum  Univerziteta Crne Gore | Presidency  of the Montenegrin Academy  of Sciences and Arts (CANU)  and Rector’s Collegium of the University of Montenegro |

|  |  |  |
| --- | --- | --- |
| 09.00–09.30 | **Akademik Dragan K. Vukčević**, | **Academician Dragan K. Vukčević,** |
|  | *predsjednik Crnogorske akademije nauka i umjetnosti* | *President of the Montenegrin Academy of Sciences and Arts* |
|  | **Prof. Vladimir Božović**, | **Prof. Vladimir Božović**, |
|  | *rektor Univerziteta Crne Gore* | *Rector of the University of Montenegro* |

|  |  |  |
| --- | --- | --- |
| 09.30–11.00 | **Prof. Dan Shechtman,** nobelovac | **Prof. Dan Shechtman,** Nobel Laureate |

|  |  |  |
| --- | --- | --- |
| 11.00–11.30 | Video zapis sa pozdravima za CANU povodom jubileja *50 godina* *CANU* i sa mudrostima 20 nobelovaca  koji su u prošlosti sarađivali sa članovima CANU | Video-recording of congratulatory addresses to CANU  on the occasion of its jubilee  *50 Years* *of CANU*, and  thoughtful insights  by 20 Nobel Laureates,  who collaborated with CANU members |
|  |

|  |  |  |
| --- | --- | --- |
| 11.30–12.30 | Koktel | Cocktail |

|  |  |  |
| --- | --- | --- |
| 12.30–14.45 | **MEDICINSKE NAUKE** | **MEDICAL SCIENCES (7)** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In Chair:* |
|  | CANU  **Prof. Vaso Antunović**, vanredni član, **Akademik Gordan Karaman**,  **Akademik Vukić Pulević** | MASA  **Prof. Vaso Antunović**, assoc. member,  **Academician Gordan Karaman**, **Academician Vukić Pulevi**ć |

Uvodne napomene predsjedavajućih — 15 minuta / Introductory remarks of the Chairs – 15 min.

|  |  |  |
| --- | --- | --- |
| **Dušica Babović-Vuksanović** | | |
| Professor of Medical Genetics and Pediatrics, Consultant,  Department of Clinical Genomics, Mayo Clinic, Rochester, MN, USA,  Director of Neurofibromatosis Comprehensive Program, Mayo Clinic | | |
|  | **GENOMIKA: MODERNI  PREDSKAZIVAČ BUDUĆNOSTI** | **GENOMICS:**  **MODERN FORTUNE TELLER** |

|  |  |  |
| --- | --- | --- |
| **Antonija Krstačić** | | |
| Faculty of Dental Medicine and Health Osijek, Medical Faculty,  University J. J. Strossmayer, Osijek; CHC „Sestre milosrdnice“  Traumatology Clinic, Zagreb | | |
|  | **AMIOTROFIČNA  LATERALNA SKLEROZA – LOU GEHRIGOVA BOLEST** | **AMYOTROPIC LATERAL SCLEROSIS –**  **THE LOU GEHRIG'S DISEASE** |

|  |  |  |
| --- | --- | --- |
| **Michal Goran Stanišić** | | |
| Poznan University of Medical Sciences, Poland,  Member of the Board of the Polish Society for Vascular Surgery,  Member of the Board of the Polish Society of Phlebology | | |
|  | **INTERVENTNO LIJEČENJE  DUBOKE VENSKE TROMBOZE:  JESMO LI SPREMNI ZA  PROMJENU PARADIGME?** | **INTERVENTIONAL TREATMENT OF DEEP VENOUS THROMBOSIS:**  **ARE WE READY FOR**  **A PARADIGM SHIFT?** |

|  |  |  |
| --- | --- | --- |
| **Petar Seferović** | | |
| Academician, Serbian Academy of Sciences and Arts, Faculty of Medicine,  University of Belgrade, and Heart Failure Center, Belgrade University Medical Center,  Vice-President, European Society of Cardiology, President,  Heart failure Association of the ESC (2018-2020), President, Heart Failure Society of Serbia | | |
|  | **ENIGMA NAJBOLJEG LEČENJA SRČANE INSUFICIJENCIJE U 2022:**  **DUG PUT JE PRED NAMA** | **THE ENIGMA OF THE BEST HEART FAILURE TREATMENT IN 2022:**  **STILL MORE TO COME** |

|  |  |  |
| --- | --- | --- |
| **Danilo Vojvodić** | | |
| Medical Faculty, University of Defense, MMA Belgrade | | |
|  | **IMUNOLOGIJA IZMEĐU TRENUTNIH DOSTIGNUĆA I PERSPEKTIVA** | **IMMUNOLOGY BETWEEN CURRENT ACHIEVEMENTS AND PERSPECTIVES** |

|  |  |  |
| --- | --- | --- |
| **Gordana Vunjak-Novaković** | | |
| University Professor, The Mikati Foundation Professor of Biomedical Engineering and Medicine, Columbia University, NY, USA,  Member of the USA National Academy of Medicine,  Member of the USA National Academy of Engineering,  Member of the American Academy of Arts and Sciences,  Member of the USA National Academy of Inventors,  Member of Academia Europaea, London, UK,  Foreign Member of SANU, Belgrade, RS,  Member, International Academy for Medical and Biological Engineering | | |
|  | **INŽENJERSTVO TKIVA**  **ZA PRIMENU U MEDICINI** | **ENGINEERING HUMAN TISSUES**  **FOR MEDICAL IMPACT** |

|  |  |  |
| --- | --- | --- |
| **Marija Santini** | | |
| Medical Faculty, University in Zagreb | | |
|  | **INFEKTIVNE BOLESTI —  IZAZOV ZA MODERNU MEDICINU** | **INFECTIOUS DISEASES —  A CHALLENGE FOR**  **MODERN MEDICINE** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 14.45–15.00 | PAUZA | PAUSE |

|  |  |  |
| --- | --- | --- |
| 15.00–17.15 | **MATEMATIČKE NAUKE** | **MATHEMATICAL SCIENCES (7)** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In chair:* |
|  | CANU  **Akademik Milojica Jaćimović, Akademik Ranislav Bulatović,  Akademik Svjetlana Terzić** | MASA  **Academician Milojica Jaćimović, Academician Ranislav Bulatović, Academician Svjetlana Terzić** |

Uvodne napomene predsjedavajućih — 15 minuta / Introductory remarks of the Chairs – 15 min.

|  |  |  |
| --- | --- | --- |
| **Angelia Nedich** | | |
| Moscow State University, Russia,  Massachusetts Institute of Technology (MIT), Boston, USA,  Arizona State University, Tempe, Arizona, USA | | |
|  | **NAPREDAK U METODAMA DISTRIBUIRANOG GRADIJENTA  ZA OPTIMIZACIJU**  **SA VIŠE AGENATA U MREŽAMA** | **ADVANCES IN DISTRIBUTED GRADIENT METHODS**  **FOR MULTI-AGENT OPTIMIZATION**  **IN NETWORKS** |

|  |  |  |
| --- | --- | --- |
| **Vladimir Dragović** | | |
| Department of Mathematical Sciences, University of Texas at Dallas, USA | | |
|  | **POVEZIVANJE STATISTIKE, GEOMETRIJE I MEHANIKE** | **BRIDGING STATISTICS,**  **GEOMETRY, AND MECHANICS** |

|  |  |  |
| --- | --- | --- |
| **Saša V. Raković** | | |
| Beijing Institute of Technology (BIT), DIC, | | |
|  | **MINKOVSKI, LJAPUNOV I BELMAN: FUNDAMENTALNE ALTERNATIVE TRADICIONALNIM MEMIMA** | **MINKOWSKI, LYAPUNOV & BELLMAN:**  **FUNDAMENTAL ALTERNATIVES**  **TO TRADITIONAL MEMES** |

|  |  |  |
| --- | --- | --- |
| **Gradimir Milovanović** | | |
| Faculty of Electrical Engineering, University of Niš,  Member of the Serbian Academy of Sciences and Arts | | |
|  | **KVADRATURNI PROCESI  I NJIHOVE PRIMENE** | **QUADRATURE PROCESSES  AND THEIR APPLICATIONS** |

|  |  |  |
| --- | --- | --- |
| **Miodrag Mateljević** | | |
| Faculty of Mathematics, University of Belgrade,  Member of the Serbian Academy of Sciences and Arts | | |
|  | **VIZUALIZACIJA  MATEMATIČKIH PROBLEMA** | **VISUALIZATION  OF MATHEMATICAL PROBLEMS** |

|  |  |  |
| --- | --- | --- |
| **Vladimir Filipović** | | |
| Faculty of Mathematics, University of Belgrade | | |
|  | **METAHEURISTIČKE OPTIMIZACIJE  U BIOINFORMATICI**  **I MAŠINSKOM UČENJU** | **METAHEURISTIC OPTIMIZATIONS  IN BIOINFORMATICS  AND MACHINE LEARNING** |

|  |  |  |
| --- | --- | --- |
| **Miljan Knežević** | | |
| Faculty of Mathematics, University of Belgrade | | |
|  | **CRNA GORA I SRBIJA:  IZAZOVI U NAUCI** | **MONTENEGRO AND SERBIA: CHALLENGES IN SCIENCE** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 17.15–17.30 | PAUZA | PAUSE |

|  |  |  |
| --- | --- | --- |
| 17.30–19.45 | **PRIRODNE NAUKE** | **NATURAL SCIENCES (7)** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In chair:* |
|  | CANU  **Akademik Slobodan Backović, Akademik Petar Vukoslavčević, Akademik Predrag Miranović** | MASA  **Academician Slobodan Backović, Academician Petar Vukoslavčević, Academician Predrag Miranović** |

Uvodne napomene predsjedavajućih — 15 minuta / Introductory remarks of the Chairs – 15 min.

|  |  |  |
| --- | --- | --- |
| **Ivan Božović** | | |
| Brookhaven National Laboratory, NY, USA, Yale University, CT, USA,  Member of Academia Europaea, London, UK,  Foreign Member of the Serbian Academy of Sciences and Arts | | |
|  | **ALHEMIJA XXI VEKA:**  **DIGITALNA SINTEZA**  **KVANTNIH MATERIJALA** | **ALCHEMY OF THE XXI CENTURY: DIGITAL SYNTHESIS**  **OF QUANTUM MATERIALS** |

|  |  |  |
| --- | --- | --- |
| **Fedor Mesinger** | | |
| Serbian Academy of Sciences and Arts | | |
|  | **ETA MODEL ZA VREME I KLIMU: POZADINA I NAUČENE LEKCIJE** | **THE ETA MODEL**  **IN WEATHER AND CLIMATE:**  **BACKGROUND & LESSONS LEARNED** |

|  |  |  |
| --- | --- | --- |
| **Velimir R. Radmilović** | | |
| Serbian Academy of Sciences and Arts**,**  Honorary Member of Academy of Engineering Sciences of Serbia, Faculty of Technology and Metallurgy Nanotechnology and Functional Materials Center, University of Belgrade | | |
|  | **ATOMISTIČKI FENOMENI**  **U ZNO-IN2O3 NANO-ŽICAMA** | **ATOMISTIC PHENOMENA**  **IN ZNO-IN2O3 NANO-WIRES** |

|  |  |  |
| --- | --- | --- |
| **Branislav Jelenković** | | |
| Faculty of Physics, University of Belgrade,Institute of Physics, Belgrade,Corresponding member of the Serbian Academy of Sciences and Arts | | |
|  | **KVANTNA BIOFOTONIKA – KOLABORATIVNI PROJEKAT U ERA** | **QUANTUM BIOPHOTONICS – COLLABORATIVE PROJECT IN ERA** |

|  |  |  |
| --- | --- | --- |
| **Slobodan Marković** | | |
| Department of Geography, Tourism and Hotel Management,  Faculty of Natural Sciences and Mathematics, University of Novi Sad,  Corresponding member of the Serbian Academy of Sciences and Arts | | |
|  | **KLIMATSKE PROMENE: PALEOKLIMATSKA EVOLUCIJA, SKORIJA I BUDUĆA**  **KLIMATSKA DINAMIKA** | **CLIMATE CHANGE:**  **PALEOCLIMATIC EVOLUTION,**  **RECENT AND FUTURE**  **CLIMATE DYNAMICS** |

|  |  |  |
| --- | --- | --- |
| **Ognjen Š. Miljanić** | | |
| Department of Chemistry, University of Houston, TX, USA | | |
|  | **OD GLOBALNOG ZAGREVANJA  DO MOLEKULSKIH KRISTALA** | **FROM GLOBAL WARMING**  **TO MOLECULAR CRYSTALS** |

|  |  |  |
| --- | --- | --- |
| **Pavle Anđus** | | |
| Center for Laser Microscopy, Institute for Physiology & Biochemistry "Ivan Djaja",  Faculty of Biology, University of Belgrade | | |
|  | **INFORMACIJA U *IN VITRO* BIOMEDI­CINSKOJ DIJAGNOSTICI — PUT KA PERSONALIZOVANOJ MEDICINI** | **INFORMATION FROM *IN VITRO* BIOMEDICAL DIAGNOSTICS –**  **A ROAD TO PERSONALIZED MEDICINE** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 19.45– | Polazak na zajedničku večeru  koja počinje u 20.00 časova | Departure for a joint Dinner,  starting at 20.00 h. |
|  |

**ČETVRTAK, 3. NOVEMBAR / THURSDAY, NOVEMBER 3**

|  |  |  |
| --- | --- | --- |
| 09.00–11.15 | **INŽENJERSKE NAUKE I** | **ENGINEERING SCIENCES I (7)** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In chair:* |
|  | CANU  **Akademik Momir Đurović,**  **Akademik Perko Vukotić,  Akademik Vlado Lubarda** | MASA  **Academician Momir Đurović, Academician Perko Vukotić, Academician Vlado Lubarda** |

Uvodne napomene predsjedavajućih — 15 minuta / Introductory remarks of the Chairs – 15 min.

|  |  |  |
| --- | --- | --- |
| **Marija Ilić** | | |
| Massachusetts Institute of Technology (MIT), Boston, USA,  Member of the USA National Academy of Engineering,  Member of Academia Europaea, London, UK | | |
|  | **NOVINE U ENERGETICI** | **NOVELTIES IN POWER ENGINEERING** |

|  |  |  |
| --- | --- | --- |
| **Ayhan Irfanoglu** | | |
| Vice Head of the School of Civil Engineering, Purdue University, IND, USA | | |
|  | **SUOČAVANJE SA NEIZVJESNOŠĆU: PRAKSA U ZEMLJOTRESNOM**  **INŽENJERSTVU** | **FACING UNCERTAINTY:**  **THE PRACTICE OF EARTHQUAKE ENGINEERING** |

|  |  |  |
| --- | --- | --- |
| **Željko Torbica** | | |
| Head, School of Construction Management Technology, Purdue University, USA | | |
|  | **JEDINSTVENI MODEL OBRAZOVANJA MENADŽERA U GRAĐEVINARSTVU**  **SA PURDUE UNIVERZITETA —**  **STEČENA ISKUSTVA** | **PURDUE UNIVERSITY’S UNIQUE MODEL OF CONSTRUCTION MANAGEMENT EDUCATION — LESSONS LEARNED** |

|  |  |  |
| --- | --- | --- |
| **Siniša Đurović** | | |
| Department of Electrical and Electronic Engineering, University of Manchester, UK | | |
|  | **SNAGA I ENERGIJA** | **POWER AND ENERGY** |

|  |  |  |
| --- | --- | --- |
| **Bratislav Stipanić** | | |
| Faculty of Civil Engineering**,** University of Belgrade and PBU, Novi Sad, Serbia | | |
|  | **GRADITELJSTVO MOSTOVA DANAS** | **ADVANCES IN BRIDGE ENGINEERING** |

|  |  |  |
| --- | --- | --- |
| **Vladan Đokić** | | |
| Faculty of Architecture, University of Belgrade, Rector of the University of Belgrade | | |
|  | **NOVI PRAVCI U URBANIZMU** | **ADVANCES IN URBANISM** |

|  |  |  |
| --- | --- | --- |
| **Branislav Mitrović** | | |
| Prof. Emeritus, Faculty of Architecture, University of Belgrade,Member of the Serbian Academy of Sciences and Arts | | |
|  | **NOVI PRAVCI U ARHITEKTURI** | **ADVANCES IN ARCHITECTURE** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 11.15 -11.30 | PAUZA | PAUSE |

|  |  |  |
| --- | --- | --- |
| 11.30- 13.30 | **INŽENJERSKE NAUKE II** | **ENGINEERING SCIENCES II (7)** |

|  |  |  |
| --- | --- | --- |
| **Zhilbert Tafa** | | |
| Indiana University, Bloomington, USA and UBT College, Priština, Kosovo | | |
|  | **ZAGAĐENJE VAZDUHA: NADGLEDANJE I UPRAVLJANJE PRIMJENOM BEŽIČNIH TEHNOLOGIJA** | **AIR POLLUTION:**  **MONITORING AND MANAGEMENT**  **USING WIRELESS TECHNOLOGIES** |

|  |  |  |
| --- | --- | --- |
| **Ilir Čapuni** | | |
| Massachusetts Institute of Technology (MIT), Boston, USA  Boston University, USA,  Atlas Imaging, San Francisco, CA, USA Marin Barleti University, Tirana, Albania | | |
|  | **KONSTRUKCIJE FIKSNE TAČKE  ZA ELIMINISANJE**  **GREŠAKA U RAČUNANJU** | **FIXED-POINT CONSTRUCTIONS**  **TO WIN THE BATTLE AGAINST FAULTS**  **IN COMPUTATION** |

|  |  |  |
| --- | --- | --- |
| **Nikola Mišković** | | |
| Department of Control and Computer Engineering,  Faculty of Electrical Engineering and Computing (FER), University of Zagreb,  LABUST — Laboratory for Underwater Systems and Technologies, University of Zagreb | | |
|  | **ROBOTIKA**  **U POMORSKIM APLIKACIJAMA** | **ROBOTICS**  **IN MARITIME APPLICATIONS** |

|  |  |  |
| --- | --- | --- |
| **Karolj Skala** | | |
| Ruđer Bošković Institute, Centre for Informatics and Computing, Zagreb, Croatia,  Member of the Hungarian Academy of Science,  Member of the Croatian Academy of Engineering | | |
|  | **GLOBALNI DISTRIBUIRANI**  **SERVISNI SUSTAV**  **ZA NOVU INDUSTRIJSKU REVOLUCIJU I DRUŠTVENI RAZVOJ** | **A GLOBAL DISTRIBUTED**  **SERVICE SYSTEM**  **FOR NEW INDUSTRIAL REVOLUTION**  **AND SOCIAL DEVELOPMENT** |

|  |  |  |
| --- | --- | --- |
| **Veljko Milutinović** | | |
| Indiana University, Bloomington, USA,  Life Fellow of the Institute of Electrical and Electronics Engineers (IEEE), Washington DC, USA, Member of Academia Europaea, exMember of the Board, London, UK,  Founding Member of the Serbian Academy of Engineering, Belgrade,  Foreign Member of the Montenegrin Academy of Sciences and Arts (CANU) | | |
|  | **NOVE PARADIGME**  **U SUPER-RAČUNARSTVU NA ČIPU** | **NEW PARADIGMS**  **IN SUPERCOMPUTING ON A CHIP** |

|  |  |  |
| --- | --- | --- |
| **Vesna Bengin** | | |
| BioSense institute, Department of Physics, Faculty of Sciences, University of Novi Sad | | |
|  | **MISIJA INSTITUTA BIOSENS:**  **NOVE TEHNOLOGIJE**  **U POLJOPRIVREDI** | **THE MISSION**  **OF THE BIOSENSE INSTITUTE:**  **NEW TECHNOLOGIES IN AGRICULTURE** |

|  |  |  |
| --- | --- | --- |
| **Mirjana Kranjac** | | |
| Faculty of Technical Sciences, University of Novi Sad | | |
|  | **PAMETNA SPECIJALIZACIJA U SRBIJI** | **SMART SPECIALIZATION IN SERBIA** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 13.30–13.45 | PAUZA | PAUSE |

|  |  |  |
| --- | --- | --- |
| 13.45–16.00 | **INFORMATIČKE NAUKE** | **INFORMATICAL SCIENCES (7)** |

|  |  |  |
| --- | --- | --- |
|  | *Predsjedavaju:* | *In chair:* |
|  | CANU  **Akademik Ljubiša Stanković, Akademik Igor Đurović,  Akademik Goran Nikolić** | MASA  **Academician Ljubiša Stanković, Academician Igor Đurović, Academician Goran Nikolić** |

Uvodne napomene predsjedavajućih — 15 minuta / Introductory remarks of the Chairs – 15 min.

|  |  |  |
| --- | --- | --- |
| **Onur Mutlu** | | |
| ETH Zürich, Distinguished Professor,  Carnegie Mellon University (CMU), Pittsburgh, PA, USA, Distinguished Professor,  Fellow of the Institute of Electrical and Electronics Engineers (IEEE),  Fellow of the Association for Computing Machinery (ACM) | | |
|  | **NOVINE U GENOMSKOJ ANALIZI** | **NOVELTIES IN GENOMIC ANALYSIS** |

|  |  |  |
| --- | --- | --- |
| **Miodrag Grbić** | | |
| Department of Biology, University of Western Ontario, London, ONT, Canada | | |
|  | **GENOMIKA I GENETSKI DIVERZITET** | **GENOMICS AND GENETIC DIVERSITY** |

|  |  |  |
| --- | --- | --- |
| **Nenad Filipović** | | |
| Faculty of Mechanical Engineering, University of Kragujevac,  Rector of the University of Kragujevac,  Harvard University, Boston, USA | | |
|  | **DIGITALIZACIJA I ZDRAVLJE** | **DIGITALIZATION AND HEALTH** |

|  |  |  |
| --- | --- | --- |
| **Miroslav Bojović** | | |
| Faculty of Electrical Engineering, University of Belgrade | | |
|  | **VEŠTAČKA INTELIGENCIJA  U MEDICINI** | **ARTIFICIAL INTELLIGENCE**  **IN MEDICINE** |

|  |  |  |
| --- | --- | --- |
| **Jakob Salom** | | |
| Mathematical Institute of the Serbian Academy of Sciences and Arts,Belgrade,IPSI Petah Tikva, Israel | | |
|  | **DIGITALIZACIJA NASLEĐA**  **I TEHNOLOGIJA FORUMA** | **DIGITALIZATION OF HERITAGE**  **AND THE FORUM TECHNOLOGY** |

|  |  |  |
| --- | --- | --- |
| **Miodrag Mihaljević** | | |
| Corresponding Member, Serbian Academy of Sciences and Arts,  Member of Academia Europaea,  Deputy Director, Mathematical Institute of the Serbian Academy of Sciences and Arts | | |
|  | **NAPREDAK U KRIPTOLOGIJI**  **I BLOKČEJN TEHNOLOGIJI** | **ADVANCES IN CRYPTOLOGY**  **AND BLOCKCHAIN TECHNOLOGY** |

|  |  |  |
| --- | --- | --- |
| **Nenad Medvidović** | | |
| Professor and Chair, Computer Science Department, Viterbi School of Engineering,  University of Southern California, Los Angeles, USA | | |
|  | **SOFTVERSKI ARHIPELAZI**  **KAO PREPREKE**  **NAUČNOM PROGRESU** | **SOFTWARE ARCHIPELAGOS  AS IMPEDIMENTS**  **TO SCIENTIFIC PROGRESS** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 16.00–16.15 | PAUZA | PAUSE |

|  |  |  |
| --- | --- | --- |
| 16.15–18.00 | **PRIMJERI DOBRE PRAKSE** | **EXAMPLES OF GOOD PRACTICE** |

|  |  |  |
| --- | --- | --- |
| **Jelena Latinović** | | |
| Biotechnical Faculty, University of Montenegro, Podgorica | | |
|  | **BISCOGNIAUXIA DESTRUCTIVA VUJAN., NOVI UZROČNIK "KATRANSKE" KORE BUKVE** | **BISCOGNIAUXIA DESTRUCTIVA VUJAN., A NEW CAUSATIVE AGENT**  **OF TARRY BEECH BARK** |

|  |  |  |
| --- | --- | --- |
| **Vesna Maraš** | | |
| Company 13. jul Plantaže, Podgorica | | |
|  | **VJEKOVI ZA BUDUĆNOST:**  **CRNOGORSKO VINOGRADARSTVO**  **I VINARSTVO –**  **PRIMJER SARADNJE**  **NAUČNE MATICE**  **I DIJASPORE** | **CENTURIES FOR THE FUTURE: MONTENEGRIN VITICULTURE**  **AND WINEMAKING –**  **AN EXAMPLE OF COOPERATION BETWEEN THE SCIENTIFIC MOTHERLAND AND DIASPORA** |

|  |  |  |
| --- | --- | --- |
| **Nedeljko Latinović** | | |
| Biotechnical Faculty, University of Montenegro, Podgorica | | |
|  | **MOGUĆNOSTI BIOLOŠKOG SUZBIJANJA BOLESTI**  **“KATRANSKA” KORA BUKVE** | **POSSIBILITIES**  **FOR BIOLOGICAL MITIGATION**  **OF TARRY BEECH BARK DISEASE** |

|  |  |  |
| --- | --- | --- |
| **Radovan Stojanović** | | |
| Faculty of Electrical Engineering,University of Montenegro, Podgorica | | |
|  | **PRVE DOKTORSKE STUDIJE NA ENGLESKOM JEZIKU, KAO PRIMJER MEĐUNARODNE PODRŠKE I SARADNJE (saradnja sa**  **prof. Veljkom Milutinovićem)** | **FIRST PHD STUDIES IN ENGLISH,**  **AS AN EXAMPLE OF INTERNATIONAL SUPPORT AND COLLABORATION**  **(collaboration with**  **Prof. Veljko Milutinović)** |

|  |  |  |
| --- | --- | --- |
| **Adis Balota** | | |
| University Mediterranean, Podgorica | | |
|  | **MJERENJA ATMOSFERSKIH PRAŽNJENJA –**  **UDARI STRUJE I GROMA**  **(saradnja sa prof. Salikom Sadovićem, Pariz, Francuska)** | **MEASUREMENTS OF ATMOSPHERIC DISCHARGES –**  **ELECTRIC AND LIGHTNING STRIKES**  **(collaboration with Prof. Salik Sadović, Paris, France)** |

|  |  |  |
| --- | --- | --- |
| **Ramo Šendelj** | | |
| University Donja Gorica, Podgorica | | |
|  | **RAČUNARSTVO**  **USREDSREĐENO NA ČOVJEKA**  **(saradnja**  **sa prof. Draganom Gaševićem,**  **Univerzitet Monash, Australija)** | **HUMAN CENTERED COMPUTING**  **(collaboration with**  **Prof. Dragan Gašević,**  **University Monash, Australia)** |

|  |  |  |
| --- | --- | --- |
| **Karolj Skala** | | |
| Ruđer Bošković Institute, Centre for Informatics and Computing, Zagreb, Croatia,  Member of the Hungarian Academy of Science,  Member of the Croatian Academy of Engineering | | |
|  | **MIPRO KAO HUB**  **ZA REGIONALNU SURADNJU**  **I ZA OKUPLJANJE DIJASPORE** | **MIPRO AS A HUB**  **FOR REGIONAL COOPERATION**  **AND INTEGRATION OF THE DIASPORA** |
| **Pavle Anđus** | | |
| Center for Laser Microscopy, Institute for Physiology & Biochemistry "Ivan Djaja",  Faculty of Biology, University of Belgrade | | |
|  | **PRIMER DOBRE I ODRŽIVE MEĐUNARODNE SARADNJE - BIOFIZIČKA ŠKOLA**  **"AKADEMIK RADOSLAV K. ANĐUS”** | **AN EXAMPLE OF A GOOD**  **AND SUSTAINABLE INTERNATIONAL COOPERATION – BIOPHYSICS SCHOOL**  **"ACAD. RADOSLAV K. ANDJUS"** |

Diskusija / Discussion

|  |  |  |
| --- | --- | --- |
| 19.45 | Polazak na zajedničko okupljanje  koje počinje u 20.00 časova | Departure for a social event,  starting at 20.00h. |

**NAPOMENE / REMARKS**

|  |  |
| --- | --- |
| 1. Organizatori su Crnogorska akademija nauka i umjetnosti (Centar za dijasporu i CANU Centar za projekte, u osnivanju) i Rektorat Uni­ver­zi­teta Crne Gore. | 1. The Organizers are the Montenegrin Aca­de­my of Sciences and Arts (Centre for Diaspora and CANU Centre for projects, in foundation) and the Rec­to­ra­te of the University of Mon­te­negro. |
| 2. Nobelovac Novoselov je predviđen da otvori sle­de­ći ovakav skup, koji se planira za godinu 2023, da­tu­ma koji on definiše. | 2. Nobel Laureate Novoselov is planned to open the next Symposium, to be held in 2023, on the date he defines. |
| 3. Ovaj skup u godinama 2024. i 2025. će takođe otvoriti po jedan od nobelovaca, od onih koji su kroz razne projekte i ranije dolazili u Crnu Goru ili su kontribuirali pozdrave povodom obilježavanja jubileja *50 godina CANU*. Na­čel­nu spremnost su iskazali nobelovci Tim Hant (Timothy Hunt) iz Engleske i Stefan Hel (Stefan W. Hell) iz Njemačke. | 3. It is envisaged the Symposiums in 2024 and 2025 to be opened also by a Nobel Laureate, among tho­se who have visited Montenegro before within va­rious projects or have addre­ssed greetings on the occasion of the Jubilee *– 50 years of CANU*. |
| 4. Predloge za govornike iz dijaspore u godini 2023. upućivati isključivo komisiji koju su for­mi­rali Odjeljenje prirodnih nauka CANU i Rektorat UCG. Dostavljati predloge samo za one naučnike iz dijaspore koji su svojim pred­lagačima eksplicitno kazali da će sigurno doći ako budu bili pozvani, imajući u vidu uslove poziva (avio prevoz iz EU, UK, CA i US i boravak u CG o svom trošku). Pomenuta Komisija, od svih prispjelih predloga, odabraće njih najviše 42, iz 5 pokrivanih oblasti: MEDICINSKE NAU­KE, MATEMATIČKE NAUKE, PRIRODNE NAUKE, TEHNIČKE NAUKE, INFORMATIČKE NAUKE. | 4. Proposals for speakers from diaspora in 2023 should be sent exclusively to the Commission set up by the Department of Natural Sciences of CANU and the Rector’s Collegium of the University of Montenegro. The proposals should be sub­mi­t­ted only for those scientists from diaspora who have explicitly confirmed to their nominators the arrival on the in­vi­tation, and agreed with the conditions of the invitation (air-travel from EU, UK, CA and USA and stay in Montenegro on the participants’ expense). Out of the proposals received, the Commission will accept 42 at most, from 5 covered scientific areas: MEDICAL SCIEN­CES, MATHEMATICS, NATURAL SCIENCES, TECH­NI­­­CAL SCIENCES, INFORMATICS. |
| 5. RTCG i drugi mediji će ispratiti ovaj skup, a izla­gači će biti zamoljeni da posebno komentarišu suštinu svog naučno-istraživačkog rada, što je u najboljem interesu nauke u Crnoj Gori. | 5. Radio-Television of Montenegro and other me­dia will cover the event, and speakers will be par­ti­cu­larly asked to comment on the core of their scien­tific research work, which is in the best interest of science in Montenegro. |
| 6. Svi predavači iz dijaspore su dobrodošli, nakon svojih izlaganja, ukoliko se steknu odgova­ra­ju­ći uslovi, da predlože zajedničke programe saradnje sa naučnicima iz matice, kroz CANU/UCG i sa po­dr­š­kom CANU/UCG, a u skladu sa pravilnicima CANU/UCG, što znači da dio sredstava ostaje u CANU/UCG (slično kao u slučaju projekata EU). | 6. After the presentation and if the conditions will be met, all presenters from diaspora are welcome to suggest joint programs of colla­bo­ration with scientists from the motherland, through the sche­me CANU/Uni­versity of MNE and with the support of CANU/University of MNE, meaning that a part of the funds remains in CANU/University of MNE (si­mi­lar to the case of EU projects). |
| 7. Svi izlagači pišu rad za publikaciju CANU, dužine mi­ni­mum 4, a maksimum 20 strana, na jeziku po njihovom izboru. Rok za dostavu rada je 22. septembar 2022. godine. | 7. All speakers should write a paper for the CANU publication, minimum 4 pages and maximum 20 pages long, in the language of their choice. The deadline for submission of papers is September 22, 2022. |
| 8. Svi izlagači, nakon svojih 15-minutnih izlaganja pro­vode po jedan sat za okruglim stolom, sa lo­kalnim ekspertima i mladim talentima i disku­tuju even­tu­al­ne zajedničke teme i pro­jekte. | 8. All speakers, after their 15-minute presen­ta­tions, should partake for one hour in the round table with local experts and young ta­lents, and discuss possible common topics and projects. |