



Crnogorska akademija
nauka i umjetnosti



Univerzitet Crne Gore

NAUČNI SIMPOZIJUM
NAUKA I MALE ZEMLJE:
SINERGIJA DIJASPORE, MATICE
I PRIJATELJA CRNE GORE

2. i 3. novembar 2022, Podgorica



SCIENTIFIC SYMPOSIUM

SCIENCE AND SMALL COUNTRIES:
SYNERGY OF THE DIASPORA, THE MOTHERLAND
& FRIENDS OF MONTENEGRO

November 2 & 3, 2022, Podgorica

PROGRAM

Počasni savjetodavni odbor
Honorary Advisory Committee

Professor Vaso Antunović
Academician Slobodan Backović
Academician Ranislav Bulatović
Academician Igor Đurović
Academician Milojica Jaćimović
Academician Gordan Karaman
Academician Vlado Lubarda
Academician Predrag Miranović
Academician Goran Nikolić
Academician Vukić Pulević
Academician Ljubiša Stanković
Academician Svjetlana Terzić
Academician Petar Vukoslavčević
Academician Perko Vukotić

Koordinacioni odbor
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

Mjesto održavanja / Venue:

Rektorat Univerziteta Crne Gore / Rectorate of the University of Montenegro

Adresa / Address:

Cetinjska 2, Podgorica

08.00–09.00	REGISTRACIJA UČESNIKA	REGISTRATION OF PARTICIPANTS
09.00–11.30	OTVARANJE	OPENING
	<i>Predsjedavaju:</i> Predsjedništvo Crnogorske akademije nauka i umjetnosti (CANU) i Rektorski kolegijum Univerziteta Crne Gore	<i>In Chair:</i> 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, <i>predsjednik Crnogorske akademije nauka i umjetnosti</i>	Academician Dragan K. Vukčević, <i>President of the Montenegrin Academy of Sciences and Arts</i>
	Profesor Vladimir Božović, <i>rektor Univerziteta Crne Gore</i>	Professor Vladimir Božović, <i>Rector of the University of Montenegro</i>
	Profesor Biljana Šćepanović, <i>ministarka nauke i tehnološkog razvoja u Vladi Crne Gore</i>	Professor Biljana Šćepanović, <i>Minister of Science and Technology Development in the Government of Montenegro</i>
09.30–11.00	Dan Shechtman, Izrael	Dan Shechtman, Nobel Laureate
11.00–11.30	Video-zapis sa pozdravima za CANU povodom jubileja <i>50 godina CANU</i> i sa mudrostima 20 nobelovaca koji su u prošlosti saradivali sa članovima CANU	Video-recording of congratulatory addresses to CANU on the occasion of its jubilee <i>50 Years of CANU</i> , and thoughtful insights by 20 Nobel Laureates, who collaborated with CANU Members
11.30–12.30	Koktel	Cocktail

Predsjedavaju:

CANU

Prof. Vaso Antunović, vanredni član,
Akademik Gordan Karaman,
Akademik Vukić Pulević*In Chair:*

MASA

Prof. Vaso Antunović, Assoc. Member,
Academician Gordan Karaman,
Academician Vukić PulevićUvodne 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 PREDKAZIVAČ
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****Michał 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 MEDICAL TREATMENT
IN 2022: STILL MORE TO COME**

Danilo Vojvodić

Medical Faculty, University of Defense, MMA Belgrade

**IMUNOLOGIJA IZMEĐU TRENUTNIH
DOSTIGNUĆA I PERSPEKTIVA**
(oflajn)

**IMMUNOLOGY BETWEEN CURRENT
ACHIEVEMENTS AND PERSPECTIVES**
(off-line)

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 of the International Academy for Medical and Biological Engineering

**INŽENJERSTVO TKIVA
ZA PRIMENU U MEDICINI**
(oflajn)

**ENGINEERING HUMAN TISSUES
FOR MEDICAL IMPACT**
(off-line)

Marija Santini

School of Medicine, University of Zagreb

University Hospital for Infectious Diseases "Dr. Fran Mihaljević", Zagreb

President of the Croatian Society for Infectious Diseases of the Croatian Medical Association

**INFEKTIVNE BOLESTI —
IZAZOV ZA MODERNU MEDICINU**

(onlajn)

**INFECTIOUS DISEASES —
A CHALLENGE
FOR MODERN MEDICINE**

(on-line)

Diskusija / Discussion

14.45–15.00

PAUZA

PAUSE

Predsjedavaju:

CANU

Akademik Milojica Jaćimović,**Akademik Ranislav Bulatović,****Akademik Svjetlana Terzić***In Chair:*

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, The University of Texas at Dallas, USA, USA/MISANU, Serbia

**POVEZIVANJE STATISTIKE,
GEOMETRIJE I MEHANIKE****BRIDGING STATISTICS,
GEOMETRY, AND MECHANICS****Saša V. Raković, Ph.D. DIC.**

Beijing Institute of Technology (BIT)

**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
(oflajn)****QUADRATURE PROCESSES
AND THEIR APPLICATIONS
(off-line)****Miodrag Mateljević**

Faculty of Mathematics, University of Belgrade,

Member of the Serbian Academy of Sciences and Arts

**NEKI ASPEKTI TEORIJE POTENCIJALA,
VIZUALIZACIJA,
VARIJACIONI RAČUN I PRIMENE****SOME ASPECTS OF POTENTIAL
THEORY, VISUALIZATION, CALCULUS
OF VARIATIONS AND APPLICATIONS**

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
I MATEMATICI**

**MONTENEGRO AND SERBIA:
CHALLENGES IN SCIENCE
AND MATHEMATICS**

Diskusija / Discussion

17.15–17.30	PAUZA	PAUSE
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17.30–19.45	PRIRODNE NAUKE	NATURAL SCIENCES (7)
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Predsjedavaju:

CANU

**Akademik Slobodan Backović,
Akademik Petar Vukoslavčević,
Akademik Predrag Miranović**

In Chair:

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, and Yale University, CT, USA,

Member of Academia Europaea, London, UK,

Foreign Member of the Serbian Academy of Sciences and Arts

Fellow of the American Physical Society (APS)

Fellow of the International Society for Optics and Photonics (SPIE)

**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 the Academy of Engineering Sciences of Serbia,
Faculty of Technology and Metallurgy, Nanotechnology and Functional Materials Center,
University of Belgrade

**ATOMISTIČKI FENOMENI
U ZnO-In₂O₃ NANOŽICAMA**

**ATOMISTIC PHENOMENA
IN ZnO-In₂O₃ NANOWIRES**

Branislav Jelenković

Faculty of Physics, University of Belgrade, Institute of Physics, Belgrade,
Corresponding Member of the Serbian Academy of Sciences and Arts

**KVANTNA BIOFOTONIKA –
HORIZON EUROPE
KOLABORATIVNI PROJEKAT
(UVEZIVANJE ZA IZVRSNOST SRPSKOG
ISTRAŽIVAČKOG CENTRA ZA
KVANTNU BIOFOTONIKU)**

**QUANTUM BIOPHOTONICS –
HORIZON EUROPE COLLABORATIVE
PROJECT (TWINNING FOR EXCELLENCE
OF THE SERBIAN RESEARCH CENTER
FOR QUANTUM BIOPHOTONICS)**

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 THE 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

19.45–20.00

Prevoz na zajedničku večeru,
„Imanje KNJAZ”, Mareza

Bus departure for a joint Dinner,
“Imanje KNJAZ”, Mareza

ČETVRTAK, 3. NOVEMBAR / THURSDAY, NOVEMBER 3

09.00–11.15

INŽENJERSKE NAUKE I

ENGINEERING SCIENCES I (7)

Predsjedavaju:

CANU

Akademik Perko Vukotić,

Akademik Vlado Lubarda

In Chair:

MASA

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

DIGITIZACIJA:

PUT KA ODRŽIVOJ DEKARBONIZACIJI

(oflajn)

DIGITIZATION: A PATH

TO SUSTAINABLE DEKARBONIZATION

(off-line)

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

IZAZOVI U DOMENU SNAGE

I ENERGIJE —

TEHNOLOŠKI IZGLEDI

POWER AND ENERGY CHALLENGES —

TECHNOLOGICAL OUTLOOK

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

**OD SUVOMEĐE
DO SAVREMENOG OBLIKA:
MORFOLOŠKA ULOGA ZIDA
U CRNOGORSKIM
PRIMORSKO-PLANINSKIM PEJZAŽIMA****FROM DRY-WALL TO MODERN FORM:
THE MORPHOLOGICAL ROLE
OF THE WALL IN THE MONTENEGRO
COASTAL AND MOUNTAIN
LANDSCAPES**

Diskusija / Discussion

11.15 -11.30	PAUZA	PAUSE
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11.30- 13.30	INŽENJERSKE NAUKE II	ENGINEERING SCIENCES II (7)
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Zhilbert Tafa

Indiana University, Bloomington, USA and UBT College, Priština, Kosovo

**ZAGAĐENJE VAZDUHA:
NADGLEĐANJE I UPRAVLJANJE
PRIMJENOM BEŽIČNIH TEHNOLOGIJA****AIR POLLUTION:
MONITORING AND MANAGEMENT
USING WIRELESS TECHNOLOGIES****Ilir Çapuni**

Massachusetts Institute of Technology (MIT), Boston, USA

Boston University, USA,

Atlas Imaging, San Francisco, CA, USA

Marin Barleti University, Tirana, Albania

**POUZDANA TURING MAŠINA –
KRATAK PRIKAZ****A RELIABLE TURING MACHINE –
A DIGEST****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

**POMORSKA ROBOTIKA
ZA PLAVU EKONOMIJU****MARINE ROBOTICS
FOR THE BLUE ECONOMY**

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)

**SINERGIZOVANJE ČETIRI RAZLIČITE
RAČUNARSKÉ PARADIGME
ZA MAŠINSKO UČENJE**

**SYNERGISING FOUR DIFFERENT
COMPUTING PARADIGMS FOR
MACHINE LEARNING**

Vesna Bengin

BioSense institute, Department of Physics, Faculty of Sciences, University of Novi Sad

**MISIJA INSTITUTA BIOSENS:
NOVE TEHNOLOGIJE
U POLJOPRIVREDI**

**MISSION OF THE BIOSENSE INSTITUTE:
NEW TECHNOLOGIES IN AGRICULTURE**

Mirjana Kranjac

Faculty of Technical Sciences, University of Novi Sad

**STRATEGIJA
SMART SPECIJALIZACIJE SRBIJE**

**STRATEGY
OF SMART SPECIALIZATION IN SERBIA**

Diskusija / Discussion

13.30–13.45

PAUZA

PAUSE

Predsjedavaju:

CANU

Akademik Ljubiša Stanković,**Akademik Igor Đurović,****Akademik Goran Nikolić***In Chair:*

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

(oflajn)

NOVELTIES IN GENOMIC ANALYSIS

(off-line)

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

AIHEAL:**VEŠTAČKA INTELIGENCIJA****U SISTEMU ZDRAVSTVENE NEGE****AIHEAL:****AN ARTIFICIAL INTELLIGENCE****HEALTHCARE SYSTEM****Jakob Salom**

IPSI Belgrade, Serbia, Department for Digital Preservation of Cultural Heritage

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

ILUSTRATIVNI NAPREDAK**U TEHNIKAMA KRIPTOLOGIJE****I BLOKČEJN TEHNOLOGIJE****ILLUSTRATIVE ADVANCES****IN CRYPTOLOGY AND BLOCKCHAIN****TECHNOLOGY TECHNIQUES**

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
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16.15–18.30	PRIMJERI DOBRE PRAKSE	EXAMPLES OF GOOD PRACTICE
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Jelena Latinović

Biotechnical Faculty, University of Montenegro, Podgorica

**BISCOGNIAUXIA DESTRUCTIVA
VUJAN., NOVI UZROČNIK
„KATRANSKE" KORE BUKVE: PRIMJER
MEĐUNARODNE NAUČNE SARADNJE
U ZAŠTITI ŠUMSKIH EKOSISTEMA
(saradnja sa prof. Vladimirom
Vujanovićem, Kanada)**

**BISCOGNIAUXIA DESTRUCTIVA
VUJAN., A NEW CAUSATIVE AGENT
OF TARRY BEECH BARK:
AN EXAMPLE OF INTERNATIONAL
COLLABORATION IN THE PROTECTION
OF THE FOREST ECOSYSTEMS
(collaboration with Prof. Vladimir
Vujanović, Canada)**

Vesna Maraš

Company 13. jul Plantaže, Podgorica

**VJEKOVI ZA BUDUĆNOST:
CRNOGORSKO VINOGRADARSTVO
I VINARSTVO**

**CENTURIES FOR THE FUTURE:
MONTENEGRIN VITICULTURE
AND WINEMAKING**

Nedeljko Latinović

Biotechnical Faculty, University of Montenegro, Podgorica

**MOGUĆNOSTI BIOLOŠKOG
SUZBIJANJA BOLESTI „KATRANSKA”
KORA BUKVE: PODSTICAJ ZA DALJU
MEĐUNARODNU SARADNJU
U OBLASTI ZAŠTITE BILJA
(saradnja sa prof. Vladimirom
Vujanovićem, Kanada)**

**POSSIBILITIES
FOR BIOLOGICAL MITIGATION
OF TARRY BEECH BARK DISEASE:
AN INCENTIVE FOR FURTHER
INTERNATIONAL COLLABORATION
IN THE AREA OF PLANT PROTECTION
(collaboration with Prof. Vladimir
Vujanović, Canada)**

Radovan Stojanović

Faculty of Electrical Engineering, University of Montenegro, Podgorica

**PRVE MEĐUNARODNE DOKTORSKE
STUDIJE KAO PRIMJER
MEĐUNARODNE SARADNJE**

**THE FIRST INTERNATIONAL DOCTORAL
STUDIES AS AN EXAMPLE
OF INTERNATIONAL COOPERATION**

Adis Balota

University Mediterranean, Podgorica

**INFORMACIONI SISTEM ZA MJERENJE
ATMOSFERSKIH PRAŽNJENJA –
UDARI STRUJA GROMA
NA PLANINI LOVČEN
(saradnja sa prof. Salikom Sadovićem,
Pariz, Francuska)**

**INFORMATION SYSTEM
FOR MEASURING LIGHTNING
DISCHARGE –
(LIGHTNING CURRENT STRIKES)
ON THE MOUNTAIN LOVČEN
(collaboration with Prof. Salik Sadović,
Paris, France)**

Ramo Šendelj

University Donja Gorica, Podgorica

**RAČUNARSTVO
USREDSREĐENO NA ČOVJEKA
(RAZVOJ UNAPRIJEĐENIH IKT
ZDRAVSTVENIH USLUGA USREDSREĐENIH
NA PACIJENTA ZA AMBULANTNU
REHABILITACIJU OD MOŽDANOG UDARA)**

**HUMAN CENTERED COMPUTING
(DEVELOPMENT OF ICT ENHANCED
PERSON-CENTERED CARE SERVICES
FOR STROKE OUTPATIENT
REHABILITATION)**

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

18.30 –18.45

Prevoz do *Vinarije Radević*, Rogami
Za prethodno prijavljene govornike

Transfer to *Radevic Estate Winery*,
for the pre-registered speakers

NAPOMENE / REMARKS

1. Organizatori su Crnogorska akademija nauka i umjetnosti i Univerzitet Crne Gore.
2. Nobelovac Novoselov je predviđen da otvori sledeći ovakav skup, koji se planira za godinu 2023, datuma koji on definiše.
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.
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 predlagачima 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 pokrivenih oblasti: MEDICINSKE NAUKE, MATEMATIČKE NAUKE, PRIRODNE NAUKE, TEHNIČKE NAUKE, INFORMATIČKE NAUKE.
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.
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).
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. decembar 2022. godine.
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.
1. The Organizers are the Montenegrin Academy of Sciences and Arts and University of Montenegro.
2. Nobel Laureate Novoselov is planned to open the next Symposium, to be held in 2023, on the date he defines.
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. Proposals for speakers from diaspora in 2023 should be sent exclusively to the Commission set up by the Department of Natural Sciences of MASA 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. 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. After their presentations and if the conditions will be met, all presenters from diaspora are welcome to suggest joint collaboration programs with scientists from the motherland, through scheme MASA/University of MNE and with the support of MASA/University of MNE, meaning that a part of the funds remains in MASA/University of MNE (similar to the case of EU projects).
7. All speakers should write a paper for the MASA 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. 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.

KONTAKT ORGANIZATORA / CONTACTS OF THE ORGANIZERS

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