INTERNATIONAL SCIENTIFIC AND PROFESSIONAL CONFERENCE:

CRITICAL INFRASTRUCTURE SYSTEMS IN THE ERA OF ARTIFICIAL INTELLIGENCE

Followed by an interactive exercise:

"Responding to a Cyber Incident",
organized by the National CERT and
the Foundation: Cybersecurity Network

17-18.10.2024., IN Hotel Belgrade

cisai.caruk.rs/en

AGENDA 17.10.2024.

08:30 – 09:00 Registration of participants
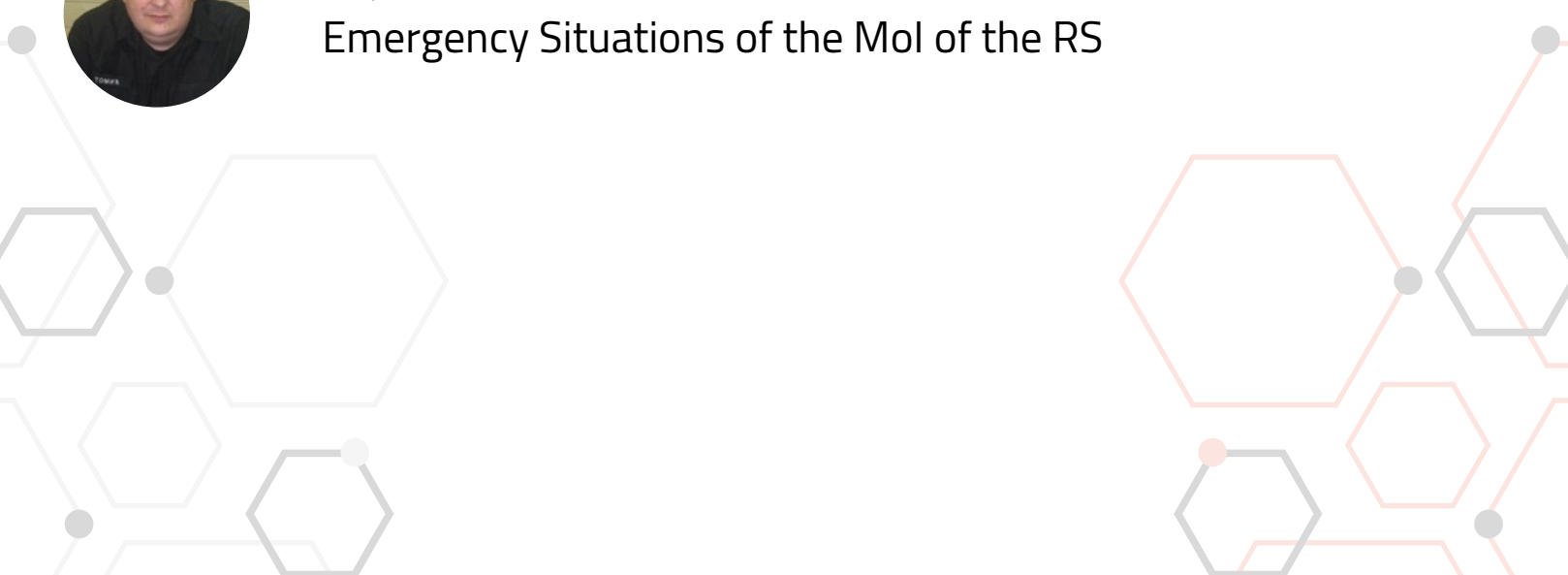09:00 WELCOME SPEACHES AND OPENING REMARKS
09:30 – 11.00 PLENARY SPEACHES

Vladan Devedžić, University of Belgrade, Faculty of Organizational Sciences, Serbian Academy of Sciences and Arts

Stefan Badža, Advisor to the President of the Assembly of the Republic of Serbia

Bojan Tomić, Assistant to the Head of the Department for Emergency Situations of the MoI of the RS

A G E N D A 17.10.2024.

11:00 – 11.30 Coffee break

11:30 – 13.00 PANEL ONE:
SECURITY RELATED ISSUES OF IMPLEMENTING AI IN CRITICAL
INFRASTRUCTURE SYSTEMS

TOPICS:

- Artificial Intelligence in Support of the Risk Assessment for Critical Entities
- Current Trends and Challenges in the AI-Cyber Threat Landscape
- The Role of AI in Detecting and Mitigating Security Threats
- Application of Machine Learning in Attack on Critical Infrastructure
- Artificial Intelligence as a Critical Infrastructure
- Artificial Intelligence in Nuclear Industry

Presentation of innovative technical solutions for the protection of infrastructure systems

PANELISTS

Marija Đorić, PhD, **(M)**
University of Belgrade,
Institute for Political Studies

Jelena Dinić,PhD, **(M)**
Singidunum University,
Belgrade

Alessandro Lazari, PhD, Post Doc Researcher at Centre for
Interdisciplinary Research on Security and Resilience of Critical
Infrastructure, Department of Engin

Gil Baram, PhD, Research Scholar at the Center for Long-Term
Cybersecurity and the Berkeley Risk and Security Lab, University
of California Berkeley

Ranka Stanković, Full professor, University of Belgrade, Faculty
of Mining and Geology

Tomislav Tuntev, PhD, TAV Macedonia, **Gjorgi Alcheski,** PhD,TAV
Macedonia

Nikola Milivojević, PhD, Jaroslav Černi Water Institute, Executive
Director, Belgrade, Serbia

Branko Primetica, Managing Director, Cedars International d.o.o.
and Regional Director for USAID's Cybersecurity Protection and
Response" Program

Ana Kovačević, PhD,
University of Belgrade,
Faculty of Security Studies

Dragana Nikolić, PhD,
Institute of Nuclear
Sciences "Vinca"

AGENDA 17.10.2024.

13:00 – 14.00 Lunch break

14:00 – 15.30 PANEL TWO:
THE FUTURE OF SMART INFRASTRUCTURE SYSTEMS

TOPICS:

- Emergent AI Technologies and Future Trends
- AI driven supply chains
- Application of AI in the Energy Sector – Case Study
- Case stuides: Integrating Dynamic Resilience and AI in Water Resource Management
- Fusion of Machine Learning and Metaheuristics for Practical Infrastructure Security Solutions
- Overviews of the Current State and Future Prospects of Space Activities in Serbia

Presentation of innovative technical solutions for the protection of infrastructure systems

18:00 – 21.00 Special program with a gala dinner

PANELISTS

Dejan Mirčetić (moderator),
Institute for AI of Republic of Serbia

Zoran Miljković, Full Professor,
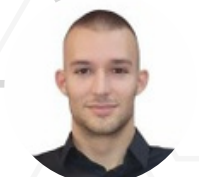University of Belgrade, Faculty of Mechanical Engineering

Luigi Romano, Full Professor, Computer Engineering University
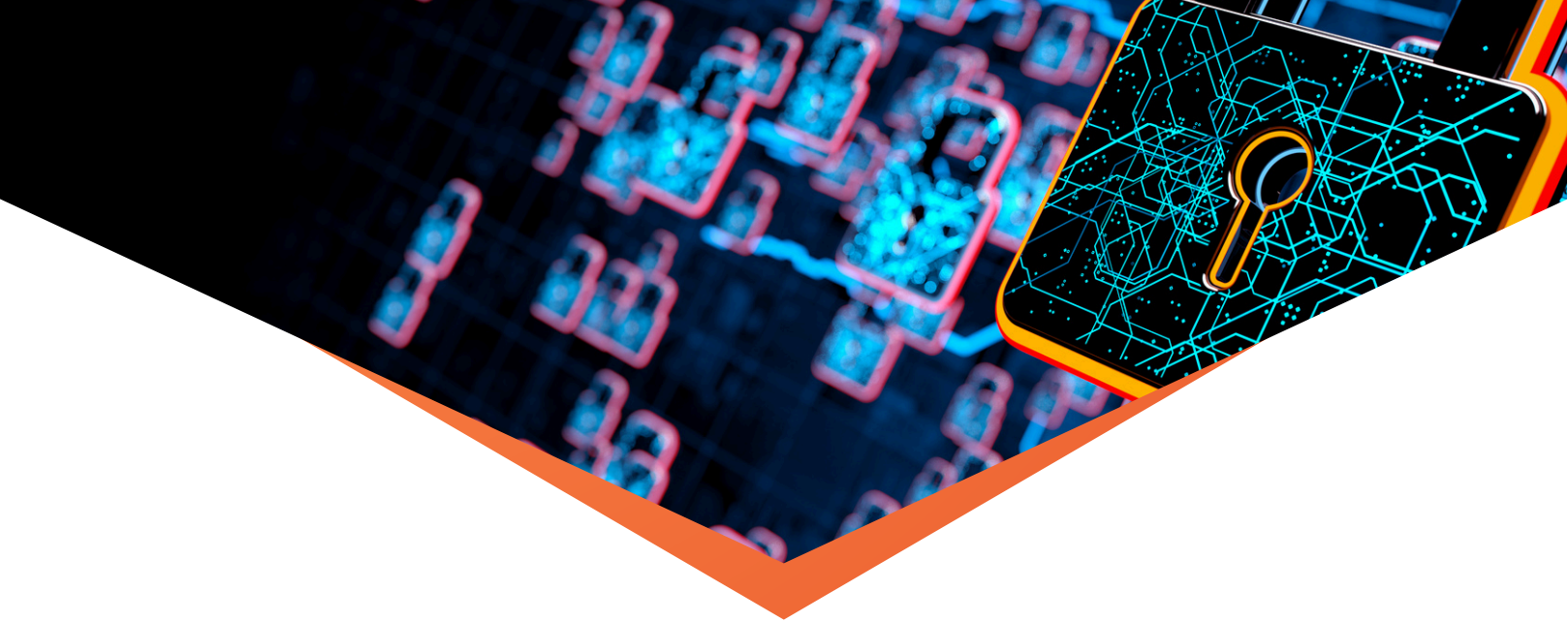of Naples "Parthenope", Naples (Italy)

Nebojša Bačanin-Džakula, Full Professor, Singidunum
University, Belgrade, Head of study program Applied Artificial
Intelligence and Vice-Rector for Scientific Research

Milan Stojković, PhD,
Institute for AI of Republic of Serbia

Marko Gavrilović, University of Belgrade, Faculty of Mechanical
Engineering; Mathematical Institute of Serbian Academy of
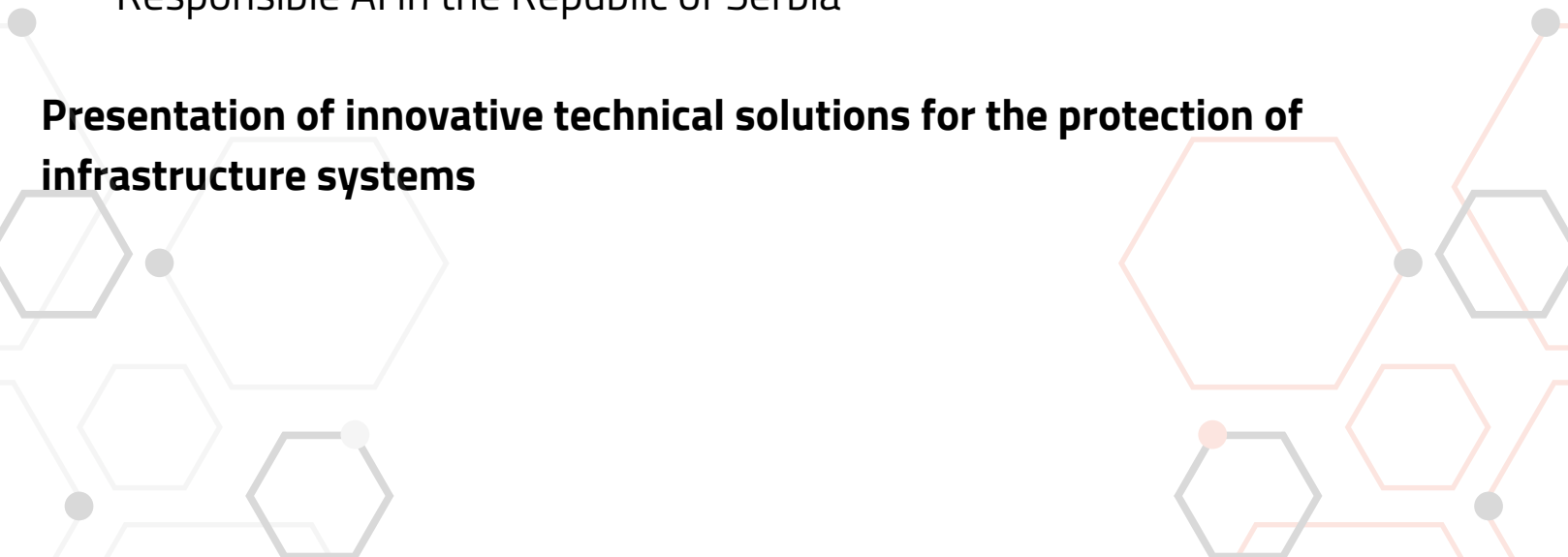Science and Arts; EUROMECH/European Mechanics Society

A G E N D A 18.10.2024.

09:00 – 10:30 PANEL THREE:
LEGAL, ETHICAL AND SOCIAL ASPECTS AND IMPLICATIONS
OF AI IN INFRASTRUCTURE

TOPICS:

- The Role of Artificial Intelligence in Detecting and Suppressing Criminal Offences Against Critical Infrastructure in the Energy and Transport Fields
- The Present and the Future of Regulating Liability for Damage Caused by the Movement of Autonomous Vehicles
- Thinking Outside the Box: AI – Ethical and Legal Issues
- Ethical Guidelines for the Development, Application and Use of Reliable and Responsible AI in the Republic of Serbia

Presentation of innovative technical solutions for the protection of infrastructure systems

PANELISTS

Gordana Paović Jeknić (moderator),
University of Montenegro, Faculty of Law

Velimir Rakočević,
University of Montenegro, Faculty of Law

Vladimir Savković,
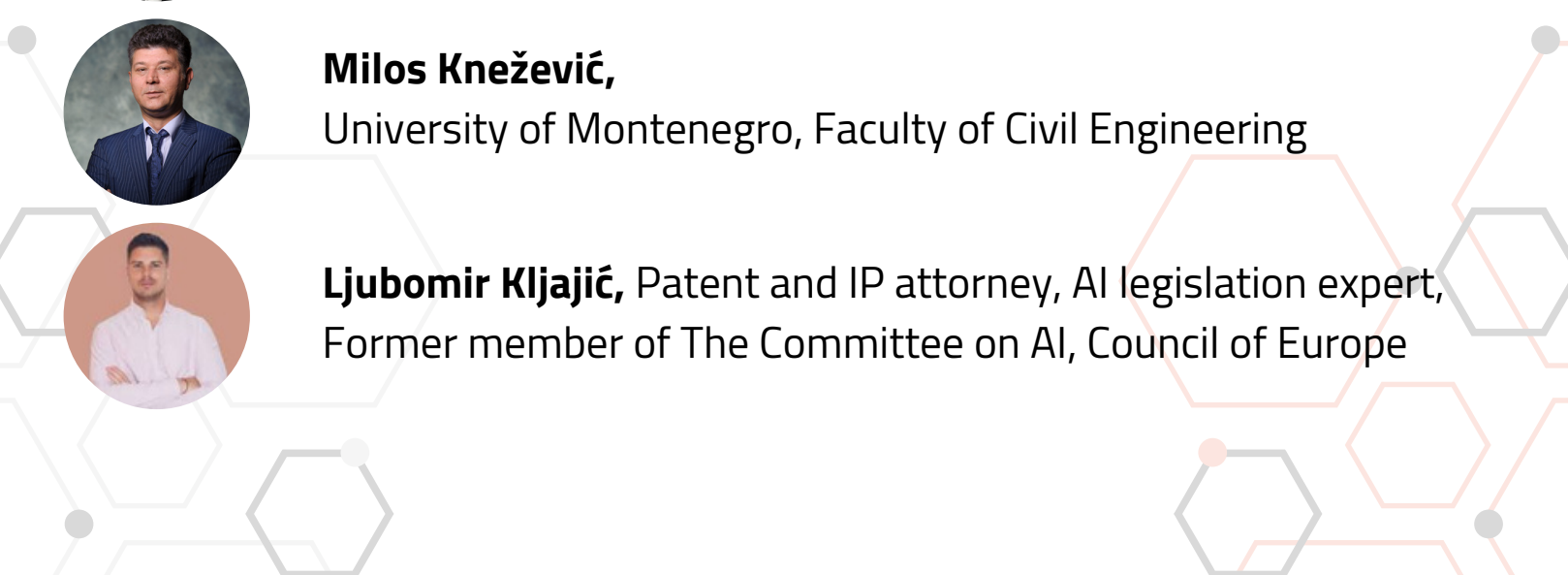University of Montenegro, Faculty of Law

Dražen Cerović,
University of Montenegro, Faculty of Law

Milos Knežević,
University of Montenegro, Faculty of Civil Engineering

Ljubomir Kljajić, Patent and IP attorney, AI legislation expert,
Former member of The Committee on AI, Council of Europe

AGENDA 18.10.2024.

10:30 – 11:00 Coffee break

11:00 – 12.30 PANEL 4:
ENHANCING INFRASTRUCTURE RESILIENCE THROUGH COLLABORATIVE APPROACHES TO AI INTEGRATION

TOPICS:

- Artificial Intelligence and Biomedical Science - Challenges and Risks
- Improving Infrastructure Resilience through Collaborative Approaches to AI Integration
- Cybersecurity Challenges in the Digital Transformation of the Water Industry
- Improvement and Enhancement of the Airport Security and Safety with AI
- Data Protection in the Era of Artificial Intelligence
- Artificial intelligence from the perspective of standardization

Presentation of innovative technical solutions for the protection of infrastructure systems

PANELISTS

Ozren Džigurski (moderator),
University of Belgrade, Faculty of Security Studies

Elizabeta Ristanović,
University of Defence, Belgrade

Vesna Spasojević Brkić, PhD, University of Belgrade, Faculty of Mechanical Engineering, Head of the Department of Industrial Engineering

Dragana Vujović, Aleksandar Zečević,
University of Belgrade, Faculty of Physics

Ivan Babić, Goran Bajić,
Institute for standardization of Serbia

Mile Šikman,
University of Banja Luka, Faculty of Security Sciences

Branislav Dobrosavljević,
ACS/Advanced Cyber Security, Belgrade

A G E N D A 18.10.2024.

12:30 DISCUSSION AND CONCLUDING REMARKS
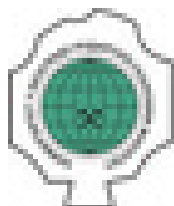
ADDITIONAL CONTAINTS:

1.   Innovative technical solutions for the critical infrastructure protection will be presented following each panel
2.   On the second day of the conference, a "Cyber incident response" exercise will be organized by the National CERT of the Republic of Serbia and the Cyber Security Network Foundation.

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