



**CENTER**

for risk analysis and  
crisis management



Republic of Serbia

MINISTRY OF SCIENCE,  
TECHNOLOGICAL DEVELOPMENT AND INNOVATION

**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](https://cisai.caruk.rs/en)

# AGENDA 17.10.2024.

08:30 – 09:00 Registration of participants

09:00 WELCOME SPEECHES AND OPENING REMARKS

President of the Center for Risk Analysis and Crisis Management, **Zoran Keković**, PhD

President of Danilovgrad municipality, **Aleksandar Grgurević**

Director of the Institute for standardization of Serbia, **Tatjana Bojanić**

Dean of the Faculty of Security Studies, **Mladen Milošević**, PhD

Dean of the Faculty of Traffic of University of Belgrade, **Milorad Kilibarda**, PhD

Dean of the Faculty of Law of the University of Montenegro, **Aneta Spaić**, PhD

President of the Council for Artificial Intelligence and Advisor to the Prime Minister of the RS, Miloš Vučević, **Igor Peško**, PhD

Director of the Office for IT and eGovernment, **Mihailo Jovanović**, PhD

Assistant Minister of Internal Affairs and Head of the Department for Emergency Situations, **Luka Čaušić**

State Secretary of the Ministry of Science, Technological Development and Innovation in the Government of the RS, **Miroslav Trajanović**, PhD

Minister of Construction, Transport and Infrastructure in the Government of the RS, **Goran Vesić** (TBD)

Conferanse: Nevena Keković

# AGENDA 17.10.2024.

09:30 – 11.00 PLENARY SPEACHES



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



**Alessandro Lazari**, PhD, Post Doc Researcher at Centre for Interdisciplinary Research on Security and Resilience of Critical Infrastructure, Department of Engineering for Innovation, University of Salento - Lecce - Italy



**Jason L Brown**, CSyP FSyL,  
Chief Executive Officer, Cinnteacht PL, trading as Cadentis



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



**Ivan Baras**, Assistant Head of Sector, Sector for Emergency Management Mol

11:00 – 11.30 Coffee break

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

## TOPICS

- 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
- Challenges for Operational Implementation of the Cyber-Physical Security in Critical Infrastructures in Japan

**Presentation of innovative technical solutions for the protection of infrastructure systems**



# AGENDA 17.10.2024.

## PANELISTS



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

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



**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



**Kenji Watanabe**, PhD, Professor of Graduate School of Social Engineering and Head  
of Disaster and Safety Management, Nagoya Institute of Technology, Japan



**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 AND PANELISTS

- Emergent AI Technologies and Future Trends
- AI driven supply chains
- Application of AI in the Energy Sector – Case Study
- Case studies: Integrating Dynamic Resilience and AI in Water Resource Management
- Fusion of Machine Learning and Metaheuristics for Practical Infrastructure
- Security Solutions
- Application of artificial intelligence in mathematical modeling



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



**Ema Petrović,** Digital transformation and AI consultant, CDT (Center for Digital Transformation), Serbian Chamber of Commerce



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



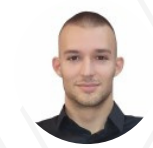
**Luigi Romano,** Full Professor, Computer Engineering University of Naples "Parthenope", Naples (Italy)



**Nebojša Bačanić-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,** Research and Development AI/ML engineer and mathematician on HORIZON Europe projects. Member of EUROMECH and COST. Faculty of Mechanical engineering

18:00 – 21.00 Special program with a gala dinner

# AGENDA 18.10.2024.

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

## TOPICS AND PANELISTS

- 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



**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



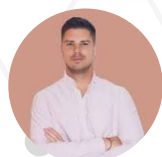
**Dražen Cerović,**  
University of Montenegro, Faculty of Law



**Milos Knežević,**  
University of Montenegro, Faculty of Civil Engineering



**Sanja Grbović,**  
University of Montenegro, Faculty of Law



**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 FOUR:  
ENHANCING INFRASTRUCTURE RESILIENCE  
THROUGH COLLABORATIVE APPROACHES TO AI INTEGRATION

## TOPICS AND PANELISTS

- Artificial Intelligence and Biomedical Science - Challenges and Risks
- Smartminer project as a roadmap to smart, green and sustainable mining machinery workplaces
- 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

12:30 DISCUSSION AND CONCLUDING REMARKS



**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





# AGENDA 18.10.2024.

## ADDITIONAL CONTANTS

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.





## CONFERENCE PARTNERS



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vodoprivredu  
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Centar za digitalni  
transformaciju



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