INTERNATIONAL SCIENTIFIC-PROFESSIONAL CONFERENCE
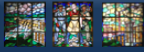
Artificial Intelligence and Security in the 21st Century

Organiser: Belgrade School of Engineering Management, University "Union-Nikola Tesla", Belgrade, Republic of Serbia

KEY CONFERENCE INFORMATION

Date: November 19, 2025

Venue: Belgrade, 43 Vojvode Mišića Blvd. Belgrade

Abstract Submission Deadline: November 8, 2025

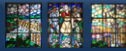**Final Paper Submission Deadline:** December 31, 2025

CONFERENCE CONCEPT

Artificial Intelligence (AI) is fundamentally transforming the contemporary security paradigm, opening unprecedented possibilities while simultaneously creating new, complex threats. The conference brings together leading experts from security, technology, law, and ethics to examine the multidimensional impact of AI on national and international security in the 21st century.

MAIN CONFERENCE THEMES

1. AI and the New Security Paradigm

- Predictive threat analytics and crisis management

- Autonomous defence systems and their operational applications

- Intelligence data processing using machine learning

- Biometric identification and surveillance

2. Cyber Threats in the AI Era

- Generation of disinformation and fake media content (deepfakes)

- Automated cyber-attacks and AI as a hybrid warfare weapon

-Information manipulation and psychological operations in digital space
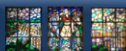
3. Ethical Dilemmas and Social Challenges

- Autonomous weapon systems and the limits of human control

- Mass surveillance and the right to privacy

- Algorithmic bias in security decision-making

- Responsibility for AI use – states, corporations, or individuals?

4. Legal and Regulatory Framework

- EU legal regulations on AI and their impact on the security sector

- UN initiatives and possibilities for global standardisation

- Regional and national legal frameworks – case of EU and Western Balkan

- Need for international cooperation and information exchange

5. Stakeholder Dialogue and Future Strategies

- Development scenarios and strategic recommendations for responsible AI use

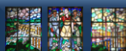- Role of education and research in shaping expert generations

CONFERENCE ORGANISERS

- Dr. Katarina Štrbac, Full Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Ana Jurčić, Associate Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Milena Cvjetković, Associate Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Damir Ilić, Assistant Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- MSc Luka Latinović, Teaching Fellow, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

EDITORS

- Dr. Katarina Štrbac, Full Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Duško Tomić, Full Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Slađan Milosavljević, Associate Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

- Dr. Ilija Životić, Associate Professor, Belgrade School of Engineering Management, University "Union-Nikola Tesla"

Belgrade School of Engineering Management, 43 Vojvode Mišića Blvd. Belgrade, Republic of Serbia
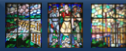
SCIENTIFIC COMMITTEE

President

- **Dr. Vladimir Tomašević**, Full Professor, Dean, Belgrade School of Engineering Management, University "Union-Nikola Tesla", Belgrade, Serbia

Distinguished Members

- **Dr. Vanja Rokvić**, Associate Professor, Faculty of Security, University of Belgrade, Serbia

- **Dr. Vera Arežina**, Associate Professor, Faculty of Political Sciences, Belgrade, Serbia

- **Dr.h.c. mult. JUDr. Jozef Zaťko**, PhD, DBA, European Institute of Continuing Education, Pothajska, Slovakia

- **Dr. Octavian Buiu**, Scientific Director, National R&D Institute for Microtechnologies and Associate Professor at the National University for Science and Technology Politehnica Bucharest, Romania

- **Dr. Francisco Rubio Damián**, Associate Professor, Universidad San Jorge, Zaragoza, Spain

- **Dr. Nahla Hamdan**, Full Professor, American University in the Emirates, UAE

- **Dr. Renata Petrevska Nechkoska**, Associate Professor, St. Kliment University, Ohrid, North Macedonia

- **Dr. Tetiana Bukoros**, Associate Professor, National University of Ukraine, Kyiv, Ukraine

- **Dr. Nenad Komazec**, Associate Professor, University of Defence, Serbia

Belgrade School of Engineering Management, 43 Vojvode Mišića Blvd. Belgrade, Republic of Serbia

- **Dr. Eldar Saljic**, Full Professor, American University in the Emirates, UAE

- **Dr. Aleksandar Ivanov**, Full Professor, Faculty of Security, Skopje, North Macedonia

-**Dr. Branislav Milosavljević**, Associate Professor, Faculty of Business and Law, University "Union – Nikola Tesla", Belgrade, Serbia

- **Dr. Ivan Dimitrijević**, Assistant Professor, Faculty of Security, University of Belgrade, Serbia

PUBLICATION OF PAPERS

Selected scientific papers will be published **FREE OF CHARGE** in a special edition of the Serbian Journal of Engineering Management (http://sjem.fim.edu.rs/), which is:

- Categorized by the Ministry of Science, Technological Development and Innovation

- Indexed in the CEEAS EBSCO database since 2020

- Listed in ERIH plus since 2023

- Indexed in the CEON Citation Index

CALL FOR RESEARCHERS

We invite all interested researchers, academics, industry experts, and decision-makers to participate in this exceptional conference that will shape the understanding of artificial intelligence's role in the security sector.

All participants will receive a Certificate of Attendance.

Register by November 8, 2025

katarina.strbac@fim.rs

Belgrade School of Engineering Management

University "Union-Nikola Tesla"

Belgrade,

Republic of Serbia