

# DKU 2026

19. INTERNATIONAL CONFERENCE

CRISIS MANAGEMENT DAYS



# CONFERENCE PROGRAMME

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*This is a preliminary conference program.*

2<sup>nd</sup> JUNE 2026

PUČKO OTVORENO UČILIŠTE VELIKA GORICA  
ZAGREBAČKA UL. 37, VELIKA GORICA

9:00 - 10:00	Registration
10:00 - 10:30	<b>Opening ceremony</b>
10:30 - 11:00	<b>Plenary speaker</b> Marinko Ogorec, PhD: <b>Turbulences of the New Global Architecture of the International Community</b>
11:00 - 11:30	<b>Coffee break</b>
11:30 - 12:30	<b>Presentation of the Monograph 1995</b> , by Zoran Filipović
12:30 - 13:30	<b>Lunch break</b>
13:30 - 14:00	<b>Invited speaker</b> Professor Josip Atalić, PhD: <b>Why is a seismic certificate a global game changer?</b>
14:00 - 14:45	<b>Panel discussion: Applying Digital Innovations and New Technologies in Crisis Management</b> Moderator: Igor Milić Panel participants: - Ministry of the Interior (MUP) – (TBC) - Croatian Firefighting Association (HVZ) – (TBC) - Croatian Mountain Rescue Service (HGSS) – (TBC) - GIS data specialists – application of GIS analytical models – (TBC)
14:45 - 15:30	<b>Panel discussion: Education for Climate Change and Risk Management</b> Moderator: Prof. Sanja Kalambura, PhD Panel participants: - Tamara Cendo Metzinger, PhD, Professor of Professional Studies, Dean of the University of Applied Sciences Velika Gorica (Croatia) - Assistant prof. Mirjana Matešić, PhD, Director of HRBCSD and EU Climate Ambassador (Croatia) - Susana Paixao, PhD, Professor and former President of IFEH (Portugal) - Inga Ploomiou, Principal lecturer (Estonia) - Karinn van Loon, PhD, LEARN4GREEN project leader (Belgium)
15:30 - 16:00	<b>Coffee break and networking</b>

3<sup>rd</sup> JUNE 2026UNIVERSITY OF APPLIED SCIENCES VELIKA GORICA  
ZAGREBAČKA 5, VELIKA GORICA

8:00 - 9:00 Registration	
<b>CLIMATE CHANGE, SUSTAINABILITY, AND IMPACT ON ECOSYSTEMS (FOOD, HEALTH, WASTE, TRANSPORT, TOURISM, AND CULTURE)</b>	<b>ARTIFICIAL INTELLIGENCE, DIGITAL TOOLS, AND INNOVATIVE TECHNOLOGIES FOR CRISIS MANAGEMENT</b>
<b>9:00 -11:00</b>	<b>9:00 -11:00</b>
<b>EASA part-IS implementing regulation in base maintenance organisations (EASA part 145 certified) - Challenges in protecting data integrity and aircraft digital infrastructure</b> Roman Babić, Kristijana Malić, Anita Domitrović	<b>Digital watermarking and blockchain as methods of protecting the authenticity of photos and video content in the fight against deepfake technology</b> Hadžib Salkić
<b>Sustainable aviation fuels (SAF)</b> Josip Rauker, Andrija Šaban, Toni Žepina	<b>Network security and challenges in private healthcare institutions</b> Josipa Šorša, Davorin Valenčić, Danijela Kažović
<b>From remediation to function: Can surface mines become a resource in crisis management?</b> Anamarija Grbeš Babić, Branimir Farkaš, Helena Vučenočić	<b>IoT technologies in security systems – New opportunities and their application</b> Davor Delišimunović
<b>Knowledge of the Concept of Sustainability: A Survey-Based Study with Statistical Data Analysis</b> Elma Polanec	<b>Next-Generation Emergency Response: Leveraging 5G Networks and UAV Swarms for Real-Time Crisis Management</b> Jurica Đurić, Igor Znika, Krunoslav Bilić, Aleksandar Skendžić
<b>The air passenger as a driver of change – How user research guides sustainable measures</b> Irina Kacian, Marko Baković	<b>Predicting Crises: Monte Carlo Simulation in Digital Twin Systems</b> Iva Golubić, Marjana Kuliš, Dora Trbara
<b>Comparative analysis of sustainable tourism challenges in Zadar and Vukovar-Srijem counties</b> Miroslav Andrić, Stjepan Draganić, Suzana Poljak	<b>Cyber-Physical Resilience: Integrating AI-Driven Threat Detection in Critical National Infrastructure</b> Jurica Đurić, Igor Znika, Krunoslav Bilić, Aleksandar Skendžić
<b>Truck ramp safety</b> Draško Mück, Dinko Mikulić	<b>Multilayered Approach to Information Security Governance in Distributed Organisational Architectures</b> Igor Znika, Krunoslav Bilić, Jurica Đurić
<b>From protection to preparedness: Rethinking cultural heritage protection in crisis management</b> Ana Miličić, Nađa Lučić	<b>The influence of IT certifications on project management effectiveness in the ISP sector</b> Danijela Kazovic, Davorin Valencic, Slavko Beslic
<b>Nature Restoration in Practice and the “LIFE RESTORE for MDD Project”</b> Siniša Ozimec	<b>Automation of Distribution Processes as a Tool for Improving Service Quality under Supply Chain Disruptions</b> Irina Kacian, Ante Šušnjarić
<b>Food Safety Challenges in Flood Events: Lessons Learned from the 2026 Floods in Coimbra, Portugal</b> Ana Lúcia Baltazar, Susana Paixão	<b>Architectural analysis of the security implications of integrating emergent technologies in heterogeneous distributed information environments</b> Igor Znika, Jurica Đurić, Krunoslav Bilić
11:00 - 11:30	Coffee break
11:30 - 12:15	Coffee with professors: Susana Paixao, PhD and Sanja Kalambura, PhD
12:15 - 14:00	Panel discussion and closing of the BIP Programme 2026
14:00 - 15:00	Lunch break

CLICK ON TITLE TO READ ABSTRACT

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# CRISIS MANAGEMENT DAYS



15:00 - 15:20 **Introductory Lecture Before the Panel Discussion**  
**From AI-driven business crisis to resilience: applying AI and digital tools for business continuity in a small web agency – the Studio Zona case (case study of a small Croatian web agency)**  
 Ivica Delić

15:20 - 16:00 **Panel discussion: AI as a Catalyst for Entrepreneurial Innovation and Educational Transformation**  
 Moderator: Mirela Karabatić  
 Panel participants:  
 - Silvana Tomić Rotim  
 - Ivica Delić  
 - Matija Matijevac

COMMUNICATION AND THE ROLE OF MEDIA IN CRISES 15:00 - 15:30	ARTIFICIAL INTELLIGENCE, DIGITAL TOOLS, AND INNOVATIVE TECHNOLOGIES FOR CRISIS MANAGEMENT 15:00 - 16:45	SECURITY (INTERNATIONAL AND NATIONAL, CORPORATE AND INFORMATION SECURITY, PROTECTION OF CRITICAL INFRASTRUCTURE, ARMED FORCES AND DEFENSE) 15:00 - 16:00
<b>Social Networks and Digital Channels: Untapped Potential for Informing Citizens About Disaster Risks</b> Kristijan Sedak, Mateja Fras Venus, Matilda Kolić Stanić	<b>Smart Home: Example of implementation and Security Challenges</b> Dominik Đuračić, Davorin Valenčić, Danijela Kažović	<b>Strengthening the European civil protection system at the regional level by implementing European cross border projects within different Interreg programs</b> Mato Tomljanović, Antonio Lanza
<b>Comparative analysis of crisis communication of the Croatian president and prime minister during the 2020 earthquakes</b> Danijel Labaš, Ivana Jeleč Bulić, Lea Rakušić	<b>Attention and Opportunity Cost in AI-Supported Crisis Management</b> Mirela Karabatić	<b>Active military service – admission, challenges, education and career development</b> Kruno Skendrović, Martin Ćuk
<b>The Importance of Crisis Communication in Public Health Crises</b> Iskra Alexandra Nola, Doris Desić, Tatjana Nemeth-Blažić	<b>The impact of modern and emerging disruptive technologies on the development of crisis management</b> Marina Črnko, Zvonko Orehovec, Jacqueline Domjanić	<b>Migrant Smuggling as a Security Challenge in the Republic of Croatia</b> Marijan Jozić, Kristina Jurković, Roko Simonić, Davor Solomun
<b>COMMUNITY RESILIENCE AND PUBLIC HEALTH ASPECTS OF CRISES</b> 15:30 - 16:15	<b>Cyber Resilience Act (CRA) and Secure Programming</b> Silvana Tomić Rotim, Domagoj Čajko	<b>Security at the Margins: How Small EU and NATO Member States Navigate Geostrategic Turbulence</b> Sandro Knezović, Lea Fabić
<b>Challenges and perspectives of the organization of crisis management exercises</b> Igor Milić, Petar Vitas, Kristina Milić	<b>Mathematical Evacuation Planning: Graph Theory and Optimization Approaches</b> Iva Golubić, Marjana Kuliš, Martin Mustač	<b>AMOK Violence in Hybrid Public Spaces: An Integrated Criminological, Sociological, and Security Analysis</b> Damir Pišković, Davor Solomun, Marijan Jozić
<b>Aerial threats: Aviation accidents, drones, and Zagreb's vulnerability</b> Suzana Bonc, Ozren Ilijaš	<b>Intelligent Automation Frameworks for Securing Critical Infrastructure During Crisis Events</b> Igor Znika, Krunoslav Bilić, Jurica Đurić	
<b>Readiness of local self-government units in Croatia to respond to crises</b> Igor Bida, Blaženka Budimir, Ivica Sočković	<b>A cross-sector analysis of a cybersecurity crisis preparedness in Croatian organizations</b> Ivan Biošić, Martina Dragičević	
<b>Hazardous Chemical Transport Management for Accident Prevention</b> Mirna Maravić, Rohan Perera, Marina Črnko	<b>Telemetry methods for monitoring network equipment</b> Filip Franetić, Davorin Valenčić, Danijela Kažović	
<b>Agroproteinka: Circular Economy in Croatia and public health education</b> Iskra Alexandra Nola, Ana Špehar Ćosić, Sanja Kalambura		
<b>Sport and Recreation in the Function of Community Resilience: Towards a Preventive Model of Crisis Management</b> Jadranka Dujjić Frlan		

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## POSTER SESSION

Reverse engineering in the aviation industry

Andrija Šaban, Josip Rauker, Tomislav Štengl Lebenger

Technological and organizational processes in motor vehicle maintenance

Andrija Šaban, Josip Rauker, Eldin Kopic

Additive manufacturing technologies in motor vehicle design, maintenance, and restoration

Andrija Šaban, Josip Rauker, Ivan Novak

Certificate for the implementation of private protection of critical infrastructure – a new level and quality or just a new form for providing private protection services

Ante Perčin, Ivan Nađ

Risks of Disinformation in Crisis Management: What Happens When AI Processes Fabricated Inputs?

Sandra Čavar, Ivan Čavar, Antonio Krsnik

Light pollution as a threat: The example of selected locations in the city of Velika Gorica

Sanja Kalambura, Elena Igrc

Energy poverty in the republic of Croatia – Analysis of risks, causes and consequences

Sanja Kalambura, Luka Škrlec

Crisis communication on the example of the crash of an unmanned aerial vehicle in Zagreb

Martina Mihalinić, Ivica Turčić

Integrating crisis management into sustainable destination governance: A review framework for strengthening tourism resilience in Zagreb County

Ivana Alilović

Civil-Military Coordination for Water Supply Resilience and Critical Infrastructure Protection

Mirna Habuda-Stanić, Igor Stanić

Green chemistry – Education for the future and sustainability

Brankica Žugaj, Sanja Kalambura, Tin Ivanković

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