

3rd International Scientific Conference on Fire Engineering and Disaster Management 2023

Chair of the conference: **Ferenc Varga**

Co-chairs of the conference: **György Heizler + Ágoston Restás + József Ambrusz**

	A Fire engineering	B Fire protection	C Firefighting and rescue operation management	D Disaster management	E Safety and security
1.					
Chair	Ferenc Varga	Mariusz Feltynowski	Andrea Majlingova	Nicolae Ajtai	Alexander Fekete
Co-chair	Ágoston Restás	Érces Gergő	Péter Pántya	Árpád Muhoray	Emese Belényesi
Author + Pres 1.	Gyöngyössi Éva: Fire safety of cables in oxygen-rich environment	Bodnár László: New challenge of wildfires in Hungary Fires at Wildland - urban Interface	Bognár Eszter – Pántya Péter: Volunteer firefighting associations abroad and in Hungary.	Almási Csaba Sándor – Cimer Zsolt – Kátai-Urbán Lajos – Varga Ferenc: The history of the development of international regulations for the transport of dangerous goods by road.	Kiss Noémi – Dobor József: Cyclohexane cloud explosion in Flixborough.
Author + Pres 2.	Kostiantyn Afanasenko - Serhii Zimin: Parameters of heat exchange during the operation of the biogas complexes flare stack.	Edelmann Dóra: The significance of John von Neumann's theories in contemporary fire protection.	Dobó Anett: Cooling interventions for firefighters: to increase efficiency and concentration.	Barina Balázs: First response in radiological emergency situations	Papp Réka – Dobor József: Summary of damage incidents in Balatonfüzfő.
Author + Pres 3,	Lypovyi Volodymyr - Harkavyi Andrii: Investigation of the thermal effect of the jet washing up liquid to oil sediments tank	Érces Gergő - Rácz Sándor - Vass Gyula - Varga Ferenc: Robustness of the fire safety network in buildings.	Farkas László - Rácz Sándor: Examining the physical abilities of firefighters	Berger Ádám – Kátai-Urbán Lajos Cimer Zsolt: Principles for the outdoor storage of dangerous goods in parcels.	Szarvas Bianka – Dobor József: Three Mile Island Nuclear Power Plant-the most famous nuclear accident in the US.
2.					
Chair	Gyula Vass	Takács Lajos	Danica Kacikova	Tlou Raphela	Julius Piwowarski
Co-chair	Zsuzsanna Kerekes	Hesz József	Sándor Rácz	Lajos Kátai-Urbán	Gábor Kovács
Author + Pres 1.	Wolodymyr Oliinik – Olesya Slavhorodska: Experimental Determination of the Parameters of the Liquid Infiltration into the Sand.	Fodor Máté - Rácz Sándor: The status and potential for improvement of on-scene first aid skills of intervention firefighters and the importance of disaster medic training.	Fülöp Attila István – Pántya Péter: Special use of firefighting vehicles in disaster prevention: Safe use of firefighting cranes, possibilities to promote safety.	István Benda - József Dobor: Summary of the lithium battery issue from the perspective of first responders.	Karina Gyürü - Georgina Nothartné Viszkei – József Ambrusz: The cooperation of the forces involved in flood defense and the possibilities for the development of logistics.
Author + Pres 2.	Végső Alexandra: The transportation of hydrocarbons and fire risks	Hodálík Marek - Kačíková Danica - Pántya Péter – Rácz Sándor - Érces Gergő: Gasoline as a fire accelerator – weathering process of residues	Igaz-Danszky Tamás – Bolgár Judit – Hesz József: The psychological aspects of the work of the Capital Disaster Management's Operation Control Service.	Fekete Alexander – Geiger Manuel – Neuner Steffen – Bodur ennes Muhammed: Challenges in adaptation/modification of the German incident command system for hospital disaster management.	Horváth Lilla: Occupational health and safety tasks for the prevention of stress, with particular regard to firefighters.

Author + Pres 3,	Pántya Péter: Engineering design results for new Hungarian firefighting vehicles	Holczer Kristóf – Pántya Péter – Jambrik Rudolf: Investigation of firefighting interventions, techniques and saving of museum values in the event of fires in cathedral and church buildings. In the crosshairs: the fire at Notre-Dame	Jane Kamau: Cardiorespiratory fitness and body composition of first responders in Murang'a county, Kenya	Hábermayer Tamás – Muhoray Árpád: The activity of urban search and rescue teams and the relationship between asbestos pollution. The Alert Pro 1000 and the WISER software.	Petrányi János - Kátai-Urbán Lajos - Vass Gyula - Zsitnyáni Attila: The relevance of nuclear measurements in the field of industrial safety.
3.					
Chair		Linda Makovicka Osvaldova	Pawel Gromek	Zoltán Török	Belle Johannes
Co-chair		László Teknős	László Bodnár	József Ambrusz	Alice Ncube
Author + Pres 1.		Lőrincz Levente: Household fires and their prevention	Yaroslav Kalchenko – Mykhailo Pikalov: Determination of the electrical conductors parameters in the emergency mode of operation.	Kátai-Urbán Maxim – Bíró Tibor – Révai Róbert – Cimer Zsolt: Safety Organization of Dangerous Establishments, with particular regard to the Prevention of Water Pollution	Petrétei Dávid: The IAAI – the International Association of Arson Investigators.
Author + Pres 2.		Tlou Raphela: Fire safety management in the artificial intelligence era in developing countries	Kovács Máté - Rác Sándor - Szél Norbert: Developing safe water rescue competences and methodological assessment in youth education.	Kirovne Rác Réka Magdolna: International efforts to reduce disaster risk.	Sibalin Iván - Kátai-Urbán Lajos- Cimer Zsolt: Research and development of industrial safety-activities related to the operation of energy systems.
Author + Pres 3,		Hozer Benjamin – Kátai-Urbán Lajos – Kirovne Rác Réka Magdolna – Varga Ferenc: Fire hazard risks at municipal landfill sites.	Qubaa Abdulrahman-Restás Ágoston: UAVsDrones for Vegetation Fire Detection and Monitoring	Lőrincz Levente – Horváth Hermina: Household poisoning accidents and prevention.	Tomka Péter: Thermal imaging cameras in firefighting and disaster management operations.
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Chair			Oisk Das	Olivia Kunguma	Tandlich Roman
Co-chair			Rajmund Kuti	Ágnes Jenei	Johanna Farkas
Author + Pres 1.			Kersák József – Pántya Péter: Demonstration of a structure simulating the tension of wooden parts.	Pawel Gromek: Operational risk and epidemic risk reduction.	Kozma András Kristóf – Bodnár László: The Flood of Szombathely and the PTS-M amphibious Soviet tank.
Author + Pres 2.			Németh Krisztián: Drone usage in forest fires.	Teknős László: Sustainability aspects of disaster management	
Author + Pres 3,			Tóth Balázs-Restás Ágoston: Measuring the sustainability of attention and concentration during	Vásárhelyi Örs – Dobor József – Ambrusz József: IoT as a tool in	

			firefighting interventions with the Pieron test		achieving Disaster Management purposes		
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