

**EUROPEAN
SAFETY
ENGINEER**

THE EUROPEAN SOCIETY OF SAFETY ENGINEERS
SOCIETY OF SAFETY ENGINEERS LJUBLJANA
UNIVERSITY OF APPLIED SCIENCES IN SECURITY AND SAFETY
UNIVERSITY OF MARIBOR, FACULTY OF LOGISTICS
UNIVERSITY OF MARIBOR, FACULTY OF ORGANIZATIONAL
SCIENCES

18th INTERNATIONAL CONFERENCE

MANAGEMENT AND SAFETY

M&S 2023

MARIBOR, SLOVENIA

June 9th and 10th, 2023

**MANAGEMENT OF CHEMICAL,
BIOLOGICAL AND RADIOLOGICAL
RISKS AND SAFETY**



**INFORMATION AND PROGRAM
CALL FOR REGISTRATION OF PARTICIPANTS**

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INTRODUCTION

Conference "Management and Safety - M&S" reached 18th edition due to loyal authors and participants and hereby joined the rank of successful traditional and international scientific and professional conferences.

The conference has a successful history, and a promising future: human, social and economic aspects of safety, the constant emergence of new risks, and thus the need for effective and preventive measures and forms of protection, and, above all, the need for international cooperation in research and development of safety management.

Since the first conference held 2006th year (M&S 2006) to the 17th Conference (M&S 2022) gathered a total of 2537 authors and participants: presented a total of 725 papers, which were reviewed and categorized as scientific and professional papers published in full in the proceedings of a total of 7370 pages.

18th International Conference "Management and Safety - M&S 2023" has the current topic "Management of chemical, biological and radiological risks and safety".

ORGANIZERS

ORGANIZER

THE EUROPEAN SOCIETY OF SAFETY ENGINEERS

<http://www.european-safety-engineer.org>



EUROPEAN
SAFETY
ENGINEER

CO-ORGANIZERS

SOCIETY OF SAFETY ENGINEERS LJUBLJANA

<http://www.dvilj.si>



UNIVERSITY OF APPLIED SCIENCES IN SECURITY AND SAFETY

<https://www.vss.hr>



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<https://fl.um.si/>



Fakulteta za logistiko

**UNIVERSITY OF MARIBOR
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<https://fov.um.si/>



Fakulteta za organizacijske vede

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Vesna Nikolić, Ph.D., Serbia, Chair of the International Program Committee

Leon Vedenik, mr., Slovenia, Host organizer

Josip Taradi, Ph.D., Croatia, Chair of the International Organizing Committee, Secretary of the Conference, Online administrator of the Conference

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13. Ivana Varičak, Croatia
14. Biljana Vranješ, Ph.D., Bosnia and Herzegovina
15. Snežana Živković, Ph.D., Serbia

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3. Cvetan Kovač, Croatia
4. Tomaš Kramberger, Ph.D., Slovenia
5. Luka Leško, Ph.D., Croatia
6. Aleksandar Mateev, North Macedonia
7. Borče Stojčevski, North Macedonia
8. Ana Šijaković, Croatia
9. Nikola Šobat, Bosnia and Herzegovina
10. Dejan Vasović, Ph.D., Serbia
11. Leon Vedenik, Slovenia

MEDIA PARTNERS

DELO & VARNOST

<https://www.zvd.si/varnost-pri-delu/izobrazevanja-in-publicistika/zvd-revija-delo-in-varnost/>



Revija Delo in varnost

SVET RADA

http://www.ekocentar.rs/svet_rada.php



SIGURNOST

<http://www.zirs.hr>



ТУТЕЛА Здружение на инженери за заштита

<https://tutela.org.mk>



Здружение на инженери за заштита ТУТЕЛА, Скопје

Association of Safety Engineers TUTELA, Skopje



ZAŠTITA

<http://www.zastita.info>



DATE AND PLACE

Friday and Saturday, June 9th and 10th, 2023
Onsite and online conference.

Maribor, Slovenia, EU



<https://en.wikipedia.org/wiki/Maribor>

Maribor is the second-largest city in Slovenia and the largest city of the traditional region of Lower Styria. It is also the seat of the City Municipality of Maribor, the seat of the Drava statistical region and the Eastern Slovenia region. Maribor is also the economic, administrative, educational, and cultural centre of eastern Slovenia.

Maribor was selected the European Capital of Culture for 2012.

<https://www.visitmaribor.si>

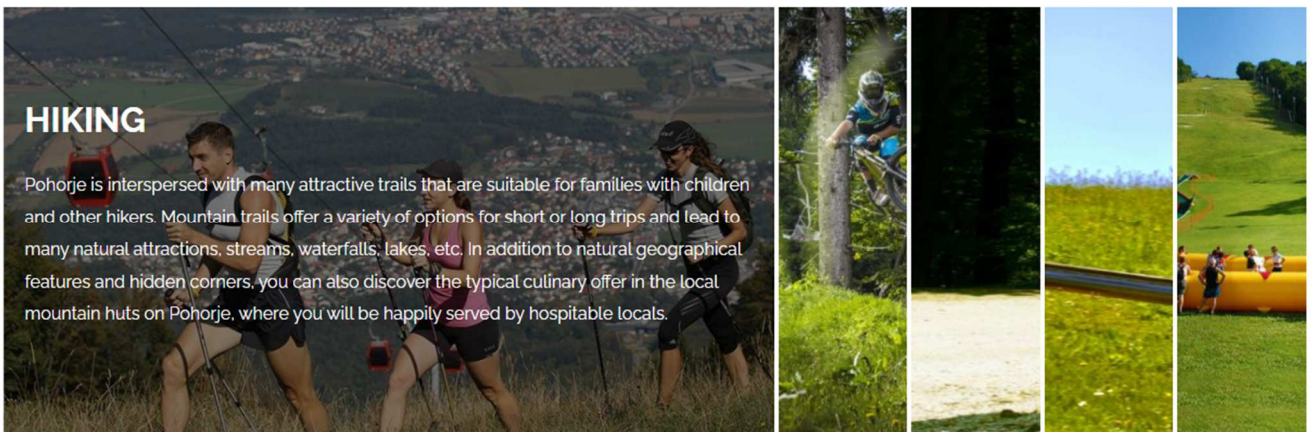


Pohorje

<https://www.visitpohorje.si>

HIKING

Pohorje is interspersed with many attractive trails that are suitable for families with children and other hikers. Mountain trails offer a variety of options for short or long trips and lead to many natural attractions, streams, waterfalls, lakes, etc. In addition to natural geographical features and hidden corners, you can also discover the typical culinary offer in the local mountain huts on Pohorje, where you will be happily served by hospitable locals.



Pohorje is an Alpine mountain ridge with domed summits south of the Drava. It measures about 50 km from east to west and 30 km from north to south and covers an area of ca. 840 km². Its highest elevations are Črni Vrh 1,543 m, Velika Kopa and Jezerski vrh, which rises to 1,537 m. Forests cover over 70% of its surface.

Hotel Habakuk

Pohorska ulica 59, 2000 Maribor, Slovenija, EU

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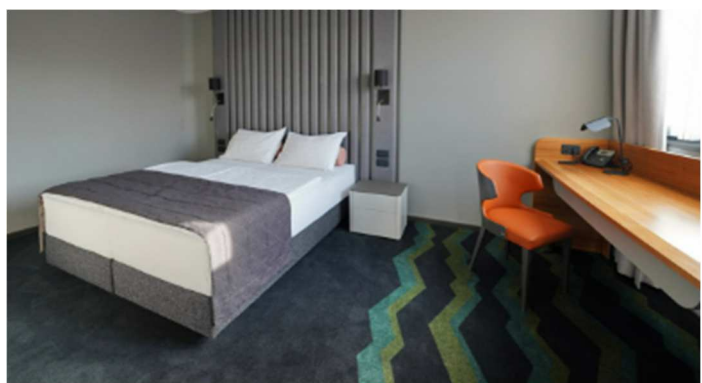


Welcome to HABAKUK HOTEL - Where unspoilt nature and the warmth of people meet.

The HABAKUK Hotel, a luxurious 4-star superior hotel not far from the Styrian capital, is surrounded by green hillsides, exudes plenty of Pannonian charm and offers everything a modern guest could wish for. Pohorje is in the immediate vicinity, and the streets of Maribor are just a stone's throw away.

The HABAKUK Hotel is an attractive tourist, business and sports and recreation centre both in winter and summer months. Even the most demanding guests of all ages will find a place to rest and relax. The crystal clear and fresh air of Pohorje, culinary indulgences, gentle green areas in summer and glistening snow cover in winter, modern skiing facilities and other forms of sports and recreational activities are just some of the things that Slovenian and foreign guests take for granted.

HABAKUK Wellness & Event hotel offers pleasant winter and summer holidays on one of the most popular ski resorts in Slovenia.



CONFERENCE LANGUAGES

- Official languages of the Conference M&S 2023 are Slovenian and English.
- The authors can write and presented their papers in Slovenian, English and other languages.
- Discussion at the Conference can be conducted in Slovenian, English and other languages.

REGISTRATION FEE

- Conference fee of the Participants (which are not authors) in Maribor: 100 € per person.
- Conference fee of the Participants (which are not authors) online: 50 € per person.

<https://docs.google.com/forms/d/e/1FAIpQLSfjchZeO4dKeFg9qt6p9HxTYoziuMJnLXxXqBaIHGCPr5YLA/viewform>

DEADLINES

- Participants registration: May 31, 2023.

SPONSORS

Sponsors of the M&S 2023 Conference will be determined after the Sponsors registration.

PERSONAL DATA

In accordance with the requirements of the General Data Protection Regulation (EU GDPR), the authors and the participants give their consent for the processing and public disclosure of personal data for the purpose of preparing and maintaining the M&S 2023 Conference.

The European Society of Safety Engineers as the organizer of the M&S 2023 Conference is authorized and responsible for the processing and protection of personal data.

M&S 2023 CONFERENCE PROGRAM

**The First day, Friday, June 9th, 2023
Maribor, Hotel Habakuk and online**

9:30-10:00	Accreditation of Conference participants Division of Conference materials	Conference room lobby Online
	Moderator: Josip Taradi	
10:00-10:45	Conference opening	Conference room Minarik Online
	Moderators: Vesna Nikolić, Leon Vedenik, Josip Taradi	
	<ul style="list-style-type: none"> • Leon Vedenik, Host Organizer • Vesna Nikolić, Chair of International Program Committee • Art program • Representatives of The Co-organizers • Guests • Josip Taradi, Chair of International Organizing Committee 	
10:45-11:30	Invited lectures	Conference room Minarik Online
	Moderators: Vesna Nikolić, Leon Vedenik	
	<ol style="list-style-type: none"> 1. Miran Pavlič, Mirko Markič, Maja Meško: KEMIJSKO-BIOLOŠKI STRESORJI V DELOVNEM EKOSISTEMU 2. Tatjana Golubović, Srđan Glišović: POLYBROMINATED DIPHENYL ETHERS: HUMAN EXPOSURE AND TOXICITY <ul style="list-style-type: none"> • Discussion 	
11:30-12:00	Pause (coffee break)	Foyer 2, Hotel terrace
12:00-13:30	Opening plenary lectures	Conference room Minarik Online
	Moderators: Maja Meško, Borče Stojčevski	
	<ol style="list-style-type: none"> 3. Borče Stojčevski: ИНФОРМИРАЊЕ НА РАБОТНИЦИТЕ ЗА БЕЗБЕДНО РАБОТЕЊЕ ПРИ ХЕМИСКИ РИЗИЦИ 4. Lidija Jakšić, Marinela Vulić, Maja Vidović: PREVENTION OF THE CONSEQUENCES OF AN ACCIDENTAL NEEDLESTICK 5. Aleksandra Ilić Petković: POLITICAL AND LEGAL CONSEQUENCES OF ENVIRONMENTAL MIGRATION WITH SPECIAL REFERENCE TO CHEMICAL, BIOLOGICAL AND RADIOLOGICAL RISKS 6. Darko Palačić: CHEMICAL HEALTH AND SAFETY RISK MANAGEMENT MODEL 7. Tamara Vukić, Vesna Nikolić, Mirjana Galjak: EDUCATION FOR PEACE AS A PRECONDITION OF SUSTAINABLE DEVELOPMENT 8. Branko Babić, Vesna Petrović: SNAGE ZA REAGOVANJE U SLUČAJU HEMIJSKOG AKCIDENTA <ul style="list-style-type: none"> • Discussion 	

13:30	Group photo of the participants	Hotel terrace
13:30-15:00	Conference Lunch Free time	Foyer 2, Hotel terrace
15:00-16:30	Papers presentations - Section A	Conference room Minarik Online
	Moderators: Tatjana Golubović, Cvetan Kovač	
<p>9. Mirjana Galjak, Vesna Nikolić, Biljana Nikolić, Rosa Šapić: BIOLOŠKI AGENSI U RADNOJ SREDINI</p> <p>10. Gorana Lipnjak: PREVENCIJA KROZ DIZAJN - PREDNOSTI ZA ZAŠTITU OKOLIŠA I ZAŠTITU ZDRAVLJA</p> <p>11. Nenad Komazec, Aleksandar Milić, Katarina Janković: UPRAVLJANJE RIZIKOM OD EKSPLOZIVNIH OSTATAKA RATA U REPUBLICI SRBIJI UZROKOVANI UPOTREBOM OSIROMAŠENOG URANIJUMA U NATO BOMBARDOVANJU 1999. GODINE</p> <p>12. Andrea Grubišić, Darko Palačić: MODEL PROCJENE KEMIJSKIH I BIOLOŠKIH RIZIKA U DJELATNOSTI PATOLOGIJE</p> <p>13. Matej Trapečar, Leon Vedenik: KEMIJSKA TVEGANJA POLICIJSKEGA PREISKOVALCA PRI KRIMINALISTIČNOTEHNIČNEM OGLEDU KRAJA KAZNIVEGA DEJANJA PRI ISKANJU SLEDI PAPILARNIH LINIJ</p> <p>14. Dragan Hristovski: THE ROLE OF EMPLOYEES DURING WORK WITH CHEMICAL AND BIOLOGICAL MATERIALS</p> <ul style="list-style-type: none"> • Discussion 		
16:30	Free time	Hotel Habakuk Pohorje, Maribor

**The Second day, Saturday, June 10th, 2023
Maribor, Hotel Habakuk and online**

9:00-11:00	Papers presentations - Section B	Conference room Minarik Online
	Moderators: Tamara Vukić, Nikola Šobat	
<p>15. Nikola Šobat, Biljana Vranješ, Mile Vajkić: MONITORING ŠTETNIH GASOVA PRI PRETAKANJU GORIVA NA BENZINSKIM STANICAMA</p> <p>16. Filip Kovačić: IMPLEMENTACIJA UREDBI I DIREKTIVA EU O RADIOAKTIVNIM TVARIMA I SIGURNOSTI U ZAKONE I PODZAKONSKE PROPISE REPUBLIKE HRVATSKE</p> <p>17. Dragana Mitrović: MJERE ZA SMANJENJE STAKLENIČKIH GASOVA U RAFINERIJU ULJA MODRIČA</p> <p>18. Jožef Horvat: OSEBNA VAROVALNA OPREMA</p> <p>19. Dušan Gavanski, Vesna Petrović, Anita Petrović, Branko Savić: LIČNA ZAŠTITNA OPREMA PRI RADU SA PESTICIDIMA</p> <p>20. Goran Janačković, Dejan Vasović, Žarko Vranjanac: CONTAMINATION OF COMPUTER KEYBOARDS: IDENTIFIED RISKS AND CORRESPONDING SAFETY MEASURES</p> <p>21. Dragan Hristovski: IMPORTANCE OF PERSONAL PROTECTIVE EQUIPMENT WHILE WORKING WITH CHEMICAL HAZARDS</p> <ul style="list-style-type: none"> • Discussion 		

11:00-12:00	Pause (coffee break)	Foyer 2, Hotel terrace
12:00-14:00	Papers presentations - Closing plenary lectures Conference Conclusion	Conference room Minarik Online
	Moderators: Vesna Nikolić, Leon Vedenik	
<p>22. Marjan Lukežič, Karl Petrič, Leon Vedenik: KORELACIJA MED DIREKTIVO 2012/18/EU O OBVLADOVANJU NEVARNOSTI VEČJIH NESREČ Z NEVARNIMI SNOVMI (SEVESO) IN SLOVENSKIM VISOKOŠOLSКИM IZOBRAŽEVALNIM SISTEMOM</p> <p>23. Ana Stojanović, Dejan Vasović, Goran Janačković: ANALYSIS OF PHASES AND STEPS OF LOCAL SELF-GOVERNMENT IN RESPONSE TO A CHEMICAL ACCIDENT</p> <p>24. Vesna Petrović, Dušan Gavanski, Branko Babić: DEVELOPMENT OF RADIATION SHIELDING MATERIALS</p> <p>25. Sarajko Baksa, Ines Baksa, Ivana Vekić: CHEMICAL RISK MANAGEMENT AND SAFETY IN BUSINESS PROCESSES OF PRODUCTION CEM II/B-V 42.5N</p> <p>26. Dejan Vasović, Ana Stojanović, Žarko Vranjanac, Sandra Stanković, Natalija Petrović: ANALYSIS OF THE SPECIFICS OF BIOLOGICAL RISK MANAGEMENT AT SOLID WASTE AND WASTEWATER TREATMENT PLANTS</p> <p>27. Josip Taradi, Nada Glumac, Vesna Nikolić: MODEL PROCESA UPRAVLJANJA IZVANREDNIM SITUACIJAMA U POSLOVNOM SUSTAVU U SLUČAJU KEMIJSKOG AKCIDENTA</p> <ul style="list-style-type: none"> • Discussion • Conclusion 		

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29. ZBR 28 April