

21<sup>ST</sup> INTERNATIONAL CONFERENCE

MANAGEMENT AND SAFETY  
**M&S 2026**

**BANJA VRUĆICA** June 19<sup>TH</sup> and 20<sup>TH</sup>, 2026

REPUBLIC OF SRPSKA, BOSNIA AND HERZEGOVINA

**INNOVATION  
MANAGEMENT AND SAFETY**

EUROPEAN  
SAFETY  
ENGINEER

THE EUROPEAN SOCIETY OF  
SAFETY ENGINEERS

SOCIETY OF SAFETY ENGINEERS  
LJUBLJANA

UNIVERSITY OF APPLIED SCIENCES  
IN SECURITY AND SAFETY



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

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## INTRODUCTION

Conference "Management and Safety - M&S" reached 21<sup>st</sup> 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 2006<sup>th</sup> year (M&S 2006) to the 20<sup>th</sup> Conference (M&S 2025) gathered a total of 2755 authors and participants: presented a total of 814 papers, which were reviewed and categorized as scientific and professional papers published in full in the proceedings of a total of 8248 pages.

The 21<sup>st</sup> Conference "Management and Safety - M&S 2026" has the topic **Innovation Management safety**.

The Conference will be held in Banja Vrućica, Bosnia and Herzegovina.

## ORGANIZERS

### ORGANIZER

#### THE EUROPEAN SOCIETY OF SAFETY ENGINEERS

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



EUROPEAN  
SAFETY  
ENGINEER

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### CO-ORGANIZERS

#### SOCIETY OF SAFETY ENGINEERS LJUBLJANA

<http://www.dvilj.si>



#### UNIVERSITY OF APPLIED SCIENCES IN SECURITY AND SAFETY

<https://www.vss.hr>



## CONTACT

### Website

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

### E-mail

[ms2026@european-safety-engineer.org](mailto:ms2026@european-safety-engineer.org)

## INTERNATIONAL CONFERENCE MANAGEMENT

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

**Dejan Vasović, Ph.D., Serbia, Chair of the International Organizing Committee**

**Biljana Vranješ, Ph.D., Bosnia and Herzegovina, Host Organizer**

**Josip Taradi, Ph.D., Croatia, Secretary of the Conference**

## INTERNATIONAL PROGRAM COMMITTEE

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

**Members of the International Program Committee:**

2. Mirjana Galjak, Ph.D., Serbia
3. Marija Hadži-Nikolova, Ph.D., North Macedonia
4. Goran Janačković, Ph.D., Serbia
5. Mirko Markič, Ph.D., Slovenia
6. Maja Meško, Ph.D., Slovenia
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8. Darko Palačić, Ph.D., Croatia
9. Miran Pavlič, Ph.D., Slovenia
10. Aleksandra Ilić Petković, Ph.D., Serbia
11. Nikolina Smajla, Ph.D., Croatia
12. Mladen Todić, Ph.D., Bosnia and Herzegovina
13. Biljana Vranješ, Ph.D., Bosnia and Herzegovina
14. Snežana Živković, Ph.D., Serbia

## INTERNATIONAL ORGANIZING COMMITTEE

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**Members of the International Organizing Committee:**

2. Jernej Jenko, Slovenia
3. Zagorka Krstić Prša, Croatia
4. Aleksandar Majstorović, Ph.D., Bosnia and Herzegovina
5. Aleksandar Mateev, North Macedonia
6. Dragana Mitrović, Bosnia and Herzegovina
7. Borče Stojčevski, North Macedonia
8. Josip Taradi, Ph.D., Croatia
9. Leon Vedenik, Slovenia
10. Biljana Vranješ, Ph.D., Bosnia and Herzegovina

## MEDIA PARTNERS

### SVET RADA

[http://www.ekocentar.rs/svet\\_rada.php](http://www.ekocentar.rs/svet_rada.php)



### 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>



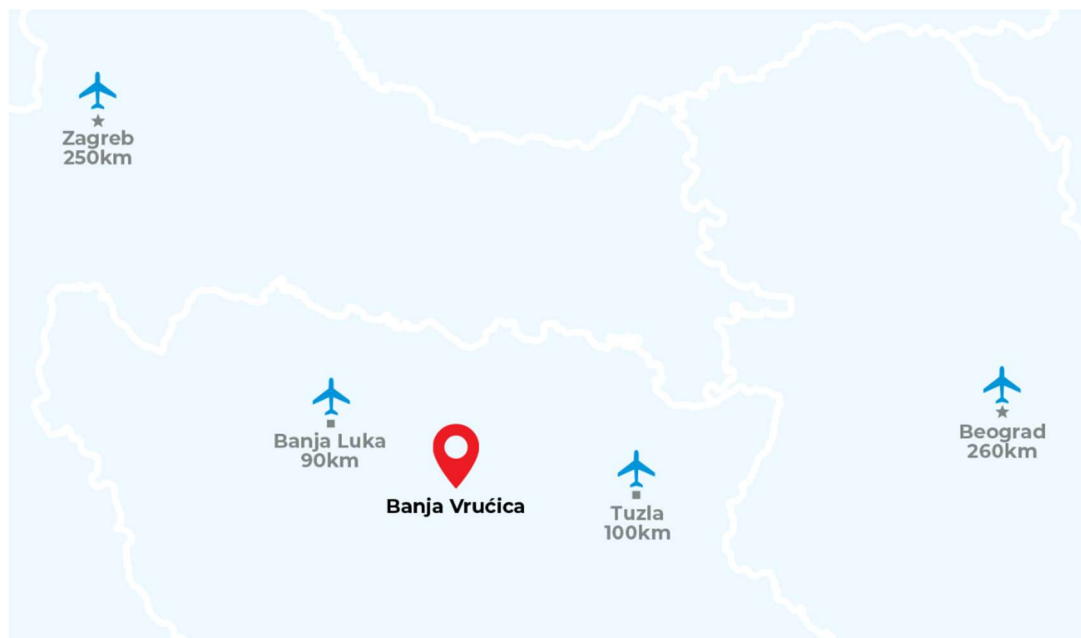
## DATE AND PLACE

Friday, 19/6/2026 and Saturday, 20/6/2026

Onsite and online conference

Banja Vrućica, Teslić, Bosnia and Herzegovina

<https://banja-vrucica.com/>



**Hotel Kardial**

<https://banja-vrucica.com/hotel-kardial/>

[repcija@banja-vrucica.com](mailto:repcija@banja-vrucica.com)

tel: +38753421200

Participants book their own hotel accommodation.



## CONFERENCE LANGUAGES

- The official languages of the Conference M&S 2026 are Bosnian and Herzegovinian languages and English.
- The papers can be written and presented in other languages.

## AUTHORS

### Authors:

- |                              |                          |
|------------------------------|--------------------------|
| 1. Angelovski Dejan          | 30. Markič Mirko         |
| 2. Avramović Danijela        | 31. Meško Maja           |
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| 13. Horvat Marijana          | 42. Perčin Ante          |
| 14. Hribar Renato            | 43. Pušavec Franci       |
| 15. Hristovski Dragan        | 44. Rački Marinković Ana |
| 16. Ilić Petković Aleksandra | 45. Sabo Krunoslav       |
| 17. Ilić-Krstić Ivana        | 46. Stojčevski Borče     |
| 18. Janačković Goran         | 47. Stojčevski Matej     |
| 19. Janjić Antonija          | 48. Štrkalj Anita        |
| 20. Jovanov Goran            | 49. Tadej Tamara         |
| 21. Jovičić Zarić Natalija   | 50. Taradi Josip         |
| 22. Katić Tomislav           | 51. Todić Mladen         |
| 23. Kovačić Filip            | 52. Vajkić Mile          |
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| 25. Kuzel Matea              | 54. Vedenik Leon         |
| 26. Lacković Tomislav        | 55. Vranjanac Žarko      |
| 27. Leontić Marijana         | 56. Vranješ Biljana      |
| 28. Majstorović Aleksandar   | 57. Živković Snežana     |
| 29. Malenović-Nikolić Jelena |                          |

### States of authors:

1. Bosnia and Herzegovina
2. Croatia
3. North Macedonia
4. Serbia
5. Slovenia

### Cities of authors:

- |                  |              |
|------------------|--------------|
| 1. Banja Luka    | 10. Niš      |
| 2. Beograd       | 11. Osijek   |
| 3. Čakovec       | 12. Radoviš  |
| 4. Koper         | 13. Sisak    |
| 5. Laktaši       | 14. Skopje   |
| 6. Leposavić     | 15. Strumica |
| 7. Ljubljana     | 16. Štip     |
| 8. Modriča       | 17. Varaždin |
| 9. Murska Sobota | 18. Zagreb   |

## Organizations of authors:

1. Akademija primenjenih nauka Kosovo i Metohija
2. Borov dol DOOEL
3. ECCOS Inženjering d.o.o.
4. Faculty of Natural and Technical Sciences, Goce Delcev University
5. Gospodarenje otpadom Sisak d.o.o.
6. Grad Banja Luka
7. HIKMA d.o.o.
8. Ministrstvo za notranje zadeve Republike Slovenije, Policija, Policijska uprava Murska Sobota
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23. Univerzitetni klinični center Ljubljana
24. Veleučilište studija sigurnosti
25. Zaštitainspekt d.o.o.
26. ZBR 28 April
27. ДУ ПРОРИСК ДООЕЛ
28. Електродистрибуција ДООЕЛ Скопје

## REGISTRATION FEE

- Papers and authors' fee: 150 € for one paper (for all authors of paper in total).
- Participants of the Conference fee (which are not authors): 100 € per person.
- Online registration of participants: <https://forms.gle/tQ9cQYEQWnFxpnaq9>

## DEADLINES

- 31/5/2026 – Papers and author's fee
- 15/6/2026 – Participants fee

## SPONSORS

Sponsors of the M&S 2026 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 2026 Conference. The European Society of Safety Engineers as the organizer of the M&S 2026 Conference is authorized and responsible for the processing and protection of personal data.

## M&S 2026 CONFERENCE PROGRAM

**The First day, Friday, 19/6/2026**

**Hotel Kardial**

<https://banja-vrucica.com/hotel-kardial/>

**Banja Vručica, Bosnia and Herzegovina  
and online**

|             |  |                                 |
|-------------|--|---------------------------------|
| 14:30-15:00 | <b>Accreditation of Conference participants<br/>Division of Conference materials</b> | Conference room lobby<br>Online |
|             |  |                                 |

|             |   |                                 |
|-------------|---|---------------------------------|
| 15:00-15:30 | <b>Conference opening</b>   | Conference room Bosna<br>Online |
|             | Moderators: Biljana Vranješ, Dejan Vasović, Vesna Nikolić   |                                 |
|             | <ul style="list-style-type: none"> <li>• Biljana Vranješ, Host Organizer</li> <li>• Dejan Vasović, Chair of International Organizing Committee</li> <li>• Vesna Nikolić, Chair of International Program Committee</li> <li>• Art program</li> <li>• Representatives of The Co-organizers</li> <li>• Guests</li> </ul> |                                 |

|             |   |                                 |
|-------------|---|---------------------------------|
| 15:30-16:30 | <b>Invited lectures</b>   | Conference room Bosna<br>Online |
|             | Moderators: Vesna Nikolić, Dejan Vasović  |                                 |
|             | <p>1.<br/><b>INNOVATIVE APPROACHES IN EDUCATION AND TRAINING IN THE FIELD OF OCCUPATIONAL SAFETY AND HEALTH</b><br/>Mile Vajkić, Biljana Vranješ, Tamara Miladinović, Vesna Nikolić</p> <p>2.<br/><b>ULOGA MENADŽERA SIGURNOSTI U UPRAVLJANJU I IMPLEMENTACIJI INOVACIJA U UKUPAN KONCEPT ZAŠTITE I SIGURNOSTI KOMPANIJE</b><br/>Ante Perčin</p> <p>3.<br/><b>IMPROVING DYNAMIC RISK ASSESSMENT THROUGH PHOTOACOUSTIC SENSING: FROM LAB TO FIELD</b><br/>Mladena Lukić, Tatjana Golubović</p> <ul style="list-style-type: none"> <li>• <b>Discussion</b></li> </ul> |                                 |
|             |   |                                 |

|       |  |  |
|-------|--|--|
| 16:30 | <b>Group photo of the participants</b> | Conference room Bosna<br>Hotel terrace |
|-------|--|--|

|             |                             |                       |
|-------------|-----------------------------|-----------------------|
| 16:30-17:00 | <b>Pause (coffee break)</b> | Conference room lobby |
|-------------|-----------------------------|-----------------------|

|             |  |                                 |
|-------------|--|---------------------------------|
|             | <b>Opening plenary lectures</b>  | Conference room Bosna<br>Online |
|             | Moderators: Ilić Petković Aleksandra, Aleksandar Mateev  |                                 |
| 17:00-19:00 | <p>4.<br/><b>INTEGRATING ISO 56001 INNOVATION MANAGEMENT SYSTEM REQUIREMENTS INTO MULTIDIMENSIONAL SAFETY FRAMEWORKS: A COMPREHENSIVE ANALYSIS ACROSS OCCUPATIONAL, FIRE, ENVIRONMENTAL AND EMERGENCY SAFETY DOMAINS</b><br/>Dejan Vasović, Josip Taradi, Vesna Nikolić</p> <p>5.<br/><b>INOVIRANJE ZNANJA IN OBJAVE NA PODROČJU VARNOSTI IN ZDRAVJA PRI DELU</b><br/>Mirko Markič, Miran Pavlič, Leon Vedenik, Maja Meško, Franci Pušavec</p> <p>6.<br/><b>ULOGA INTELEKTUALNOG VLASNIŠTVA U UPRAVLJANJU INOVACIJAMA</b><br/>Ana Rački Marinković, Marijana Leontić</p> <p>7.<br/><b>DEVELOPMENT OF LEAN SIX SIGMA BASED INNOVATIVE TRAINING FOR ENHANCING OCCUPATIONAL SAFETY AND HEALTH AWARENESS AMONG EMPLOYEES</b><br/>Dragan Hristovski, Vesna Nikolić, Goran Janačković</p> <p>8.<br/><b>THE IMPACT OF ARTIFICIAL INTELLIGENCE ON THE IMPROVEMENT OF OCCUPATIONAL SAFETY AND HEALTH: CHALLENGES, OPPORTUNITIES, AND REGULATORY FRAMEWORK</b><br/>Ilić Petković Aleksandra</p> <p>9.<br/><b>RISK MANAGEMENT AND INNOVATIONS IN GROUNDWATER PROTECTION AT A WASTE LANDFILL</b><br/>Ida Bulić, Anita Štrkalj, Zoran Glavaš</p> <p>10.<br/><b>INNOVATIONS IN OCCUPATIONAL HEALTH AND SAFETY RISK ASSESSMENT: TECHNOLOGY AND KNOWLEDGE</b><br/>Darko Palačić</p> <p><b>Discussion</b></p> |                                 |
| 19:00-20:00 | <b>Conference dinner</b>   | Hotel restaurant                |
| 20:00       | <b>Free time<br/>Night swimming</b>  | Banja Vrućica                   |

The Second day, Saturday, Saturday, 20/6/2026

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and online

|             |  |                                 |
|-------------|--|---------------------------------|
|             | <b>Papers presentations - Section A</b>  | Conference room Bosna<br>Online |
|             | Moderators: Biljana Vranješ, Aleksandar Majstorović  |                                 |
| 9:00-11:00  | <p>11.<br/><b>ARTIFICIAL INTELLIGENCE IN THE SAFETY OF GAS USE</b><br/>Mladen Todić, Biljana Vranješ, Aleksandar Majstorović</p> <p>12.<br/><b>INOVATIVNI PRISTUPI UPRAVLJANJU SIGURNOSTI NA RADU U FARMACEUTSKIM LABORATORIJAMA</b><br/>Zagorka Krstić Prša</p> <p>13.<br/><b>ZNAČAJ INOVACIJA U KRIZAMA ZDRAVSTVENIH SISTEMA – STUDIJA SLUČAJA</b><br/>Mirjana Galjak, Vesna Nikolić</p> <p>14.<br/><b>PROCJENJIVANJE RIZIKA U NASTAJANJU</b><br/>Krunoslav Sabo, Damir Đurđević, Mirna Đurđević</p> <p>15.<br/><b>MOGUĆNOSTI UNAPREĐENJA PROCJENE RIZIKA ZAŠTITE NA RADU U REPUBLICI HRVATSKOJ: REZULTATI EMPIRIJSKOG ISTRAŽIVANJA</b><br/>Tomislav Katić, Darko Palačić, Ana Rački Marinković, Antonija Janjić</p> <p>16.<br/><b>PERSONAL EXPOSURE TO CARBON MONOXIDE AMONG OUTDOOR WORKERS IN TRAFFIC-INTENSIVE AREAS</b><br/>Dejan Angelovski, Marija Hadzi-Nikolova</p> <p>17.<br/><b>INNOVATION OF OCCUPATIONAL HEALTH AND SAFETY RISKS MANAGEMENT - APPLICATION OF DIGITAL FORENSICS AND DATA ANALYSIS</b><br/>Matea Kuzel, Darko Palačić</p> <p>18.<br/><b>INNOVATION MANAGEMENT IN THE CHEMICAL INDUSTRY</b><br/>Tatjana Golubović, Ana Bijelić, Srđan Glišović</p> <ul style="list-style-type: none"><li>• <b>Discussion</b></li></ul> |                                 |
| 11:00-11:30 | <b>Pause (coffee break)</b>  | Conference room lobby           |

|             |   |                                 |
|-------------|---|---------------------------------|
|             | <b>Papers presentations - Section B</b>   | Conference room Bosna<br>Online |
|             | Moderators: Dragana Mitrović, Ivan Mijailović   |                                 |
| 11:30-13:30 | 19.<br><b>СТРУЧНИ ЛИЦА ЗА БЕЗБЕДНОСТ ПРИ РАБОТА ВО РС<br/>МАКЕДОНИЈА, РЕАЛНОСТ И ПОТРЕБА</b><br>Борче Стојчевски, Матеј Стојчевски  |                                 |
|             | 20.<br><b>UPRAVLJANJE RIZICIMA INFORMACIONE BEZBEDNOSTI I AI<br/>SPECIFIČNIM RIZICIMA U MENADŽMENTU INOVACIJAMA</b><br>Natalija Jovičić Zarić, Dušan Nogović, Aleksandar Mićašević        |                                 |
|             | 21.<br><b>INOVATIVNI PRISTUPI UPRAVLJANJU BEZBIJEDNOŠĆU NA RADU:<br/>ZNAČAJ LJUDSKIH FAKTORA I PONAŠANJA ZAPOSLENIH</b><br>Dragana Mitrović   |                                 |
|             | 22.<br><b>PRIMJENA UMJETNE INTELIGENCIJE I ANALITIKE U OPTIMIZACIJI<br/>ENERGETSKE UČINKOVITOSTI PODATKOVNIH CENTARA</b><br>Tomislav Lacković   |                                 |
|             | 23.<br><b>TOWARDS AN INTEGRATED ENVIRONMENTAL FOOTPRINT<br/>ASSESSMENT OF AI INFRASTRUCTURE</b><br>Žarko Vranjanac, Dejan Vasović, Goran Janačković                                       |                                 |
|             | 24.<br><b>POŽARI NA ELEKTRIČNIM VOZILIMA</b><br>Aleksandar Majstorović, Mladen Todić, Biljana Vranješ   |                                 |
|             | 25.<br><b>SAVREMENI TRENDОВI U UPRAVLJANJU INOVACIJAMA I<br/>BEZBEDNOŠĆU, ZASNOVANI NA PRIMENI INDIKATORA</b><br>Jelena Malenović-Nikolić, Ivana Ilić-Krstić, Lidija Milošević            |                                 |
| 13:30-15:00 | 26.<br><b>TECHNOLOGICAL INNOVATIONS FOR THE FUTURE: INTEGRATING<br/>AI AND ROBOTICS INTO ENVIRONMENTAL PROTECTION<br/>MANAGEMENT IN COASTAL EU STATES</b><br>Mirsada Ćehić, Renato Hribar |                                 |
|             | • <b>Discussion</b>   |                                 |
|             | <b>Conference lunch</b>   | Hotel restaurant                |

|             |  |                                 |
|-------------|--|---------------------------------|
|             | <b>Closing plenary lectures</b>  | Conference room Bosna<br>Online |
|             | Moderators: Tatjana Golubović, Leon Vedenik  |                                 |
| 15:00-17:00 | <p>27.<br/><b>KVALITETA I PRAKTIČNA PRIMJENA PROCJENE RIZIKA ZAŠTITE NA RADU U REPUBLICI HRVATSKOJ: REZULTATI EMPIRIJSKOG ISTRAŽIVANJA STAVOVA STRUČNJAKA ZAŠTITE NA RADU</b><br/>Antonija Janjić, Ana Rački Marinković, Tomislav Katić</p> <p>28.<br/><b>DEVELOPMENT OF A MODEL FOR EFFECTIVE WORKER PARTICIPATION IN THE SAFETY SYSTEM BASED ON STANDARDIZATION AND MULTI-CRITERIA DECISION-MAKING</b><br/>Goran Janačković, Dejan Vasović, Dragan Hristovski</p> <p>29.<br/><b>ASSESSMENT OF CRITICAL RAW MATERIALS DEVELOPMENT IN NORTH MACEDONIA: A PESTLE-BASED ANALYSIS OF REGULATORY, TECHNOLOGICAL, AND SUSTAINABILITY CONSTRAINTS</b><br/>Dragi Peltechki, Goran Jovanov</p> <p>30.<br/><b>DRIVERS OF MODERN SUSTAINABILITY: INTEGRATING GREEN INNOVATION AND DIGITAL TRANSFORMATION WITHIN THE MRW FRAMEWORK</b><br/>Mirsada Čehić, Marijana Horvat</p> <p>31.<br/><b>INNOVATING THE LEGAL FRAMEWORK OF OCCUPATIONAL SAFETY AND HEALTH IN SERBIA – CHALLENGES AND PERSPECTIVES</b><br/>Mijailović Ivan, Ilić Petković Aleksandra</p> <p>32.<br/><b>SAFETY AS A STRATEGIC CRITERION IN INNOVATION DECISION-MAKING</b><br/>Filip Kovačić, Tamara Tadej</p> <p>33.<br/><b>SMART SYSTEMS IN ENDANGERED FLORA MONITORING: INNOVATIONS FOR SUSTAINABILITY</b><br/>Danijela Avramović</p> <p>34.<br/><b>THE EVOLUTION OF ENVIRONMENTAL MANAGEMENT PARADIGMS</b><br/>Ivana Ilić Krstić, Snežana Živković, Jelena Malenović Nikolić</p> <ul style="list-style-type: none"> <li>• <b>Discussion</b></li> <li>• <b>Conclusion</b></li> </ul> |                                 |
| 17:00       | <b>Free time</b><br><b>Swimming</b>  | Banja Vrućica                   |