



UNIVERSITY OF EAST SARAJEVO
FACULTY OF MECHANICAL ENGINEERING



7th INTERNATIONAL SCIENTIFIC CONFERENCE

COMETa 2024



”Conference on Mechanical Engineering Technologies
and Application”

Jahorina, BiH, RS
14th –16th November 2024

FIRST INFORMATION AND CALL FOR PAPERS

The conference has been supported by:



ADEKO

DEADLINES

- Submission of abstract by **July 1st, 2024**
- Notification of acceptance of abstracts by **July 10th, 2024**
- Submission of papers by **October 1st, 2024**
- Review results information by **October 5th, 2024**
- Final programme by **November 10th, 2024**
- COMETA 2024 conference **November 14th – 16th, 2024**

MAIN TOPICS

1. Manufacturing technologies and advanced materials
2. Applied mechanics and mechatronics
3. Machine design, simulation and modeling
4. Product development and mechanical systems
5. Energy and thermotechnics
6. Renewable energy and environmental protection
7. Maintenance and technical diagnostics
8. Quality, management, and organization
9. Student Section

SCIENTIFIC COMMITTEE

PhD Biljana Marković, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H – president

PhD Adisa Vucina, University of Mostar, Faculty of Mechanical Engineering, Computing and Electrical Engineering, B&H

PhD Aleksandar Aleksic, University of Kragujevac, Faculty of Engineering, Serbia

PhD Aleksandar Jovovic, University of Belgrade, Faculty of Mechanical Engineering, Serbia

PhD Aleksandar Košarac, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H

PhD Aleksija Đurić, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H

PhD Bogdan Maric, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H

PhD Borut Kosec, University of Ljubljana, Faculty of Natural Sciences and Engineering, Slovenia

PhD Branimir Krstic, University of Defence in Belgrade, Military Academy, Serbia

PhD Budimirka Marinković, University of East Sarajevo, Production and Management Faculty Trebinje, B&H

PhD Balasaheb M. Patre, SGGS Institute of Engineering and Technology, India

PhD Vladimir Popović, University of Belgrade, Faculty of Mechanical Engineering, Serbia

PhD Vladimir Stojanović, University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Serbia

PhD Vladimir Milovanović, University of Kragujevac, Faculty of Engineering, Serbia

PhD Vlado Medaković, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H

PhD Vlatko Cingoski, "Goce Delcev" University, Faculty of Electrical Engineering, North Macedonia

PhD George Nenes, University of Western Macedonia, Greece

PhD Goran Janevski, University of Nis, Faculty of Mechanical Engineering, Serbia

PhD Goran Šimunović, University of Slavonski brod, Mechanical Engineering Faculty, Croatia
PhD Grigor Stambolov, Technical University - Sofia, Faculty of Industrial Technology, Bulgaria
PhD Davor Milić, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Damjan Klobcar, University of Ljubljana, Faculty of Mechanical Engineering, Slovenia
PhD Danijela Tadić, University of Kragujevac, Faculty of Engineering, Serbia
PhD Darko Knezevic, University of Banja Luka, Faculty of Mechanical Engineering, B&H
PhD Dejan Jeremić, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Dragan Milcic, University of Nis, Faculty of Mechanical Engineering, Serbia
PhD Dragan Pršić, University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Serbia
PhD Dragan Spasic, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Dušan Golubović, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Zdravko Krivokapić, University of Montenegro, Faculty of Mechanical Engineering, Montenegro
PhD Zlatko Nedelkovski, Faculty of Technical Sciences, Mother Teresa University, Skopje, North Macedonia
PhD Zoran Trifunov, Faculty of Technical Sciences, Mother Teresa University, Skopje, North Macedonia
PhD Zorana Tanasic, University of Banja Luka, Faculty of Mechanical Engineering
PhD Ibrahim Plančić, University of Zenica, Faculty of Mechanical Engineering Zenica, B&H
PhD Ivan Samardžić, University of Slavonski brod, Mechanical Engineering Faculty, Croatia
PhD Izet Zekiri, Mother Teresa University, Skopje, North Macedonia
PhD Indiran Thirunavukkarasu, Manipal Institute of Technology, Indija
PhD Isak Karabegovic, University of Bihac, Faculty of Technical Sciences, B&H
PhD Jozsef Nyers, The Óbuda University Budapest, Hungary
PhD Kyros Yakinthos, Aristotle University of Thessaloniki, Greece
PhD Lozica Ivanovic, University of Kragujevac, Faculty of Engineering, Serbia
PhD LJubiša Dubonjić, University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Serbia
PhD Mathias Liewald, University of Stuttgart, Institute for Metal Forming Technology, Germany
PhD Megan Cordill, Erich Schmid Institute for Materials Science, Austrian Academy of Sciences, Austrian
PhD Milan Rakita, Purdue University, SAD
PhD Milan Rackov, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Milan Tica, University of Banja Luka, Faculty of Mechanical Engineering, B&H
PhD Mile Savkovic, University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Serbia
PhD Milosav Ognjanović, University of Belgrade, Faculty of Mechanical Engineering, Serbia
PhD Miklos Imre Zsolt, Polytechnic University of Timisoara, Hunedoara Engineering faculty, Romania
PhD Mirko Blagojević, University of Kragujevac, Faculty of Engineering, Serbia
PhD Mirko Ficko, University of Maribor, Faculty of Mechanical Engineering, Slovenia
PhD Miroslav Zivkovic, University of Kragujevac, Faculty of Engineering, Serbia
PhD Mladen Tomic, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Mladomir Milutinović, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Monika Lutovska, Faculty of Technical Sciences, Mother Teresa University, Skopje, North Macedonia
PhD Nebojsa Lukić, University of Kragujevac, Faculty of Engineering, Serbia

PhD Nebojša Radić, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Nenad Pavlović, University of Nis, Faculty of Mechanical Engineering, Serbia
PhD Neritan Turkeshi, Faculty of Economics, Mother Teresa University, Skopje, North Macedonia
PhD Nikola Vučetić, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Nina Andjelić, University of Belgrade, Faculty of Mechanical Engineering, Serbia
PhD Obrad Spaić, University of East Sarajevo, Production and Management Faculty Trebinje, B&H
PhD Radivoje Mitrović, University of Belgrade, Faculty of Mechanical Engineering, Serbia
PhD Radovan Radovanović, The Academy of criminalistic and police studies Belgrade, Serbia
PhD Radoslav Tomović, University of Montenegro, Faculty of Mechanical Engineering, Montenegro
PhD Ranislav Bulatović, University of Montenegro, Faculty of Mechanical Engineering, Montenegro
PhD Ranka Gojković, University of East Sarajevo, Faculty of Mechanical Engineering, B&H
PhD Ranko Antunović, University of East Sarajevo, Faculty of Mechanical Engineering, B&H
PhD Saša Ranđelović, University of Nis, Faculty of Mechanical Engineering, Serbia
PhD Sergej Alexandrov, Institute for Problems in Mechanics, Russia
PhD Slavisa Moljević, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Slobodan Morača, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Snežana Nestić, University of Kragujevac, Faculty of Engineering, Serbia
PhD Spasoje Trifković, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Srdjan Vasković, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Sreten Peric, Military Academy, University of Defence in Belgrade
PhD Stanislav Karapetrovic, University of Alberta, Kanada
PhD Stanislaw Legutko, Poznan University of Technology, Poland
PhD Stevan Kjosevski, Faculty of Technical Sciences, Mother Teresa University, Skopje, North Macedonia
PhD Stevan Stankovski, University of Novi Sad, Faculty of Technical Sciences, Serbia
PhD Stojan Simic, University of East Sarajevo, Faculty of Mechanical Engineering East Sarajevo, B&H
PhD Tamara Aleksandrov Fabijanić, University of Zagrebu, Faculty of Mechanical Engineering and Naval Architecture, Croatia
PhD Uroš Karadžić, University of Montenegro, Faculty of Mechanical Engineering, Montenegro
PhD Fuad Hadžikadunić, University of Zenica, Faculty of Mechanical Engineering Zenica, B&H

ORGANIZING COMMITTEE

PhD Milija Kraišnik, FME UES – **president**
PhD Miroslav Milutinović, FME UES
PhD Saša Prodanović, FME UES
PhD Nebojša Radić, FME UES
PhD Goran Orašanin, FME UES
PhD Aleksija Đurić, FME UES
Jovana Blagojević, ma, FME UES
Jelica Anić, ma, FME UES

TECHNICAL SECRETARIES

Krsto Batinić, ma, FME UES

Srđan Samardžić, FME UES

SECRETARY

Vera Stanišić

BASIC CONCEPT OF THE CONFERENCE

- Plenary session (invited papers about global issues)
- Symposium (oral presentation on the conference topics and poster presentation)
- Workshops
- Round table

PAPER APPLICATION AND CONFERENCE FEES

- Paper submission for the COMETA 2024 Conference is done using the online conference management system at cometa.ues.rs.ba
- Template for paper formatting can be downloaded from the same web addresses.
- Conference fee is 100€ (200 BAM). Participating fee should be paid no later than November 2nd, 2024.
- Conference fee covers conference materials, cocktail and refreshments, gala dinner, and all other activities during the Conference.

TECHNICAL PRESENTATION

In agreement with the organizer of the Conference, the interested institutions and companies can organize presentations of their scientific research, development and production projects and programs, equipment and products. Presentations may last up to 45 minutes.

- Presentation of companies 400€ (800 BAM). The price includes the registration fee.
Donations/sponsorship 500€ (1.000 BAM). The price includes the registration fee.

Instructions for paying shall be submitted later.

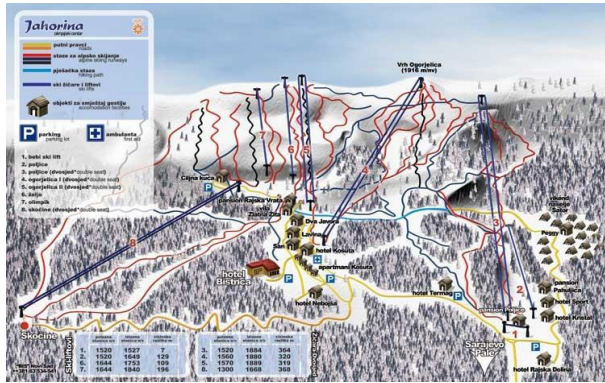
CONFERENCE LANGUAGES

The official language of the conference is English.

DATES AND VENUES

The Conference will be held from November 14th – 16th, 2024. in East Sarajevo, on the Mountain Jahorina.





Note: Participants may have no more than two papers. All papers, except for invited papers will be peer reviewed. The accepted papers will be published in the official Proceedings of the Conference.

ABOUT THE CONFERENCE

Production in developed countries is based on the modernization and optimization of manufacturing processes using advanced technologies from scientific and technological development, mainly from scientific researches. The application of new technologies enables more efficient production and competitiveness of enterprises in the global market, where coupling with scientific research institutions is very important.

Faculty of Mechanical Engineering of University of East Sarajevo continues to organize an international conference “COMETa 2024”, with aims to contribute to the implementation of new technologies into production processes as well as achieving better cooperation between scientific research institutions and enterprises and in that way enable implementation of results that will be published in papers at the conference.

Organization of the previous conferences „COMETa 2012“, „COMETa 2014“, „COMETa 2016“, „COMETa 2018“, „COMETa 2020“ and „COMETa 2022“ proved to be successful, as pointed out by all participants, especially foreign colleagues, and the next conference should use the positive experience of the previous one and reach a bit higher level in all aspects of the organization.

The main goal of this conference is to bring together renowned national and international experts in the field of research and application of new technologies and development of mechanical engineering, to share experiences and knowledge, expose actual researches and new solutions, and thus improve the competitiveness of the economy in the region.

We have great pleasure in inviting all interested scientific research institutions and businesses to actively participate and with their papers and other conference activities contribute to the successful organizing of this scientific conference.

**PRESIDENT OF
ORGANIZING COMMITTEE
PhD Milija Kraišnik**

**UNIVERSITY OF EAST SARAJEVO
FACULTY OF MECHANICAL ENGINEERING**
Vuka Karadžića 30
71123 East Sarajevo, B&H, RS Tel.: (+387 57) 340 847
Fax.: (+387 57) 340 847
E-mail: [**cometa@ues.rs.ba**](mailto:cometa@ues.rs.ba)
[**www.cometa.rs.ba**](http://www.cometa.rs.ba)