

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

SECOND INFORMATION AND CALL FOR PAPERS

The conference has been supported by:









DEADLINES

- Submission of abstract by September 10th, 2024
- Notification of acceptance of abstracts by September 12th, 2024
- Submission of papers by October 10th, 2024
- Review results information by October 15th, 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 mechatronicsa
- 3. Machine design, simulation and modeling
- 4. Product development and mechanical systems
- 5. Energy and thermo technic
- 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 Aleksić, University of Kragujevac, Faculty of Engineering, Serbia

PhD Aleksandar Jovović, 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 Marić, 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 Krstić, University of Defence in Belgrade, Military Academy, Serbia

PhD Budimirka Marinović, 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 Klobčar, University of Ljubljana, Faculty of Mechanical Engineering, Slovenia
- PhD Danijela Tadić, University of Kragujevac, Faculty of Engineering, Serbia
- PhD Darko Knežević, 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 Milčić, 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 Spasić, 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 Tanasić, 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 Ivanović, 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 Savković, University of Kragujevac, Faculty of Mechanical and Civil Engineering in Kraljevo, Serbia
- PhD Milosay 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 Živković, University of Kragujevac, Faculty of Engineering, Serbia
- PhD Mladen Tomić, 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 Nebojša 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 Perić, 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 Simić, 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 Aleksije Đurić, FME UES

Jovana Blagojević, ma, FME UES

Jelica Anić, ma, FME UES

TECHNICAL SECRETARIE

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 COMETa 2024 Conference is done using on-line conference management system at <u>cometa.ues.rs.ba</u>
- Template for paper formatting can be downloaded from 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.

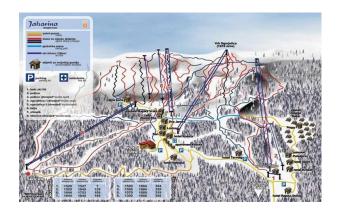
CONFERENCE LANGUAGES

Official languages of the conference are English.

DATES AND VENUES

The Conference will be held from November $14^{th} - 16^{th}$, 2024. in East Sarajevo, on the Mountain Jahorina. .









Note: Participant 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 with the use of advanced technologies that are result 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 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 ena-ble implementation of results that will be published in pa-pers 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, in order to share experiences and knowledge, expose actual researches and new solutions and thus improve the competitiveness of the economy in region.

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

PRESIDENT OF ORGANIZING COMMITTE 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 www.cometa.rs.ba