

## VENUE INFORMATION

The Conference venue is **Sarajevo**, the capital of Bosnia and Herzegovina. The city urban area provides home to the population of roughly half a million. Sarajevo, or 'Palace place', has always been the major crossroad in the center on migration paths and conquests by Eastern Roman Empire, Slavs, Jews from Spain, Ottoman and Austro-Hungarian Empires, each leaving the imprint and contributing to the rich cultural heritage and numerous monumental buildings that remain in the city.

In the former Yugoslavia, city of Sarajevo was known for most vibrant music scene, 1984 Winter Olympic Games, and the long siege in 1990's during the break-up of the country. Presently, Sarajevo has fully regained its status as the crossroad between East and West and a new tourist 'must-see' destination with well-known 'Sarajevo-Film-Festival'. The travel guide series, Lonely Planet, has ranked Sarajevo as one of the top ten cities to visit in 2010. In 2011, Sarajevo was nominated to be the European Capital of Culture in 2014 and 2019, hosting the European Youth Olympic Festival in 2019.

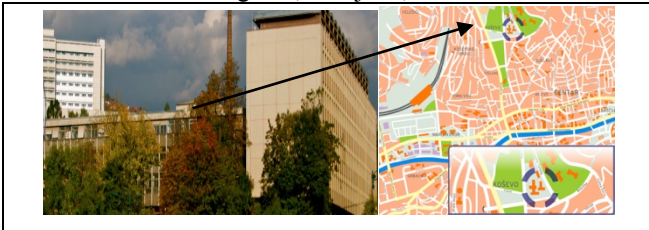
Sarajevo is also a very pleasant place to spend some leisure time. The city's location offers possibility for either a quick trip (less than half an hour ride) to mountains that hosted Winter Olympic Games or a day-trip (three hour ride) to Adriatic Sea resorts. Late May is the best period just before the massive arrival of tourists in summer period, and the weather is already sufficiently mild for a very pleasant visit.

The conference is co-organized with two BH partners, Civil Engineering Faculty (**Gradjevinski fakultet**) and Mechanical Engineering Faculty, under sponsorship of Academy of Sciences and Arts of Bosnia-Herzegovina (ANUBiH) and Central European Association for Computational Mechanics (CEACM).

Conference venue/ contact address:

**Gradjevinski fakultet** (see Figure below)

Address: Patriotske lige 30, Sarajevo, BH



**Travel / Hotels:** Sarajevo can easily be reached by a direct flight from most European capitals. The city of Sarajevo provides a wide variety of accommodations, including hotels *Europe, Holiday, Marriott, Bristol, Bosna, Saraj*, among many others. More information on *travel plans* and *accommodation* can be obtained from tourist office of the *conference web pages*.

### Contact:

ECCOMAS MSF 2023 - Website:

<https://eccomas.gf.unsa.ba/msf-2023/>

For further information contact:

ECCOMAS MSF 2023 local organizers -

E-mail: [eccomas@gf.unsa.ba](mailto:eccomas@gf.unsa.ba)

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## Conference ECCOMAS MSF 2023



First Announcement &  
Call for Papers

## 6<sup>th</sup> International Conference on Computational Methods for Solids and Fluids

June 25 - 27, 2023



Sarajevo, Bosnia-Herzegovina

organized by:

Adnan Ibrahimbegovic &

Samir Dolarević, Maida Čohodar-Husić  
UTC-Alliance Sorbonne Univ, & Univ. Sarajevo



## OBJECTIVES OF ECCOMAS MSF 2023

The main idea of this thematic conference is to examine recent advances from mechanics and applied mathematics in a currently very active research domain of multi-scale modeling and computations in solid and fluid mechanics. The latter involves methods which bridge phenomena taking place at multiple scales in space and time and which ought to be placed in interaction or accounted for simultaneously in order to provide the most reliable explanations. This class of problems calls for the development and combination of different analytical tools (homogenization, asymptotic analysis) and computational methods (parallel computing, stochastic analysis) in order to advance the field towards currently relevant nonlinear applications. A number of different schools have developed in various domains of fluids and solids, both in mathematics and mechanics, with sometimes very little or no interaction between them. It is an explicit goal of this thematic conference, in the true spirit of ECCOMAS, to bring these different communities together, and thus provide a sound basis for a fruitful exchange of ideas among them. The conference seeks also to provide a platform for learning from some of the worlds' leading specialists in analysis and design of complex engineering structures and systems, coming from aerospace, civil and mechanical engineering, material science, and in the design and analysis of numerical algorithms from applied mathematics. The main goal is elaborating the multi-field and multi-physics approach, which has significantly modified previously firm frontiers among these traditional engineering disciplines.

## INTERNATIONAL ADVISORY BOARD

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....(see conference webpage)...

## ORGANIZING COMMITTEE

Ibrahimbegovic A., UTC-Alliance Sorbonne Univ./ France  
Dolarević S., GFS, University of Sarajevo, BH  
Čohodar-Husić M., MFS, University of Sarajevo, BH

## ECCOMAS MSF 2023 TOPICS

According to the preliminary program, the introductory *keynote lectures* of each day of this conference should set the contents and the boundaries as well as indicate the main issues concerning computational methods for multi-scale analysis in solid and fluid mechanics. A number of organized sessions (containing 4-6 papers) will be scheduled at the conference.

The Conference topics to be addressed are:

*Heterogeneous materials*  
*Masonry structures*  
*Complex structures*  
*Material and structure failures*  
*Adaptive modeling*  
*Mechanics of porous media*  
*Fluid-structure interaction*  
*Multi-phase flows*  
*Turbulence*  
*Wave propagation*  
*Stochastic Processes*  
*Uncertainty Propagation*  
*Case Studies ...*

All accepted papers will be published in the form of extended abstract in a book of Proceedings along with the textbook containing the selected full-size contributed papers and keynote lectures. Special issue of scientific Journal of Coupled Systems Mechanics is also planned for publication of selected papers.

## CALL FOR PAPERS

Authors are invited to submit an *abstract* of 2 to 4 pages by using the template file on conference website by **November 30, 2023**, containing the title of the proposed paper, the full address (including E-mail) and the name of the corresponding author. The authors should indicate to which MS or main conference topic their paper should be related.

## CALENDAR

31 August 2022. Website opens for abstracts submission  
**30 November 2022**. Deadline for abstracts submission  
31 December 2022. Confirmation of abstract acceptance  
**15 March 2023**. Penalty for late registration payment  
31 March 2023. Acceptance for full paper submission  
21-23 June 2023. Pre-Conference Short Course  
**25-27 June 2023**. ECOMASS Conference  
held at Faculty of Civil Engineering in Sarajevo

## REGISTRATION FEES

**ECCOMAS MSF 2023** registration package, with **early registration paid before March 15, 2023 (cost 450 Euros)**, includes: the proceedings of keynote and selected lectures and abstracts of other participants, admission to complete scientific program, welcome reception, lunches, coffee breaks and a guided tour of the old city of Sarajevo.

Late registration fees include penalty (**cost 450+100=550 Euros**). The late registration fees paid before **May 31, 2023** will guarantee the place in the ECCOMAS MSF 2023 Final Program. For any later arrival, the presentation place is not guaranteed.

The potential participants are asked to register by filling in the registration form (available at ECCOMAS MSF 2023 web site) and pay the fees according to the calendar. **Invoices for payment of the registration fees will be sent to the author after the on-line registration has been conducted.**

## PRE-CONFERENCE COURSE

Preconference course participant **early registration before March 15, 2023 (cost 250 Euros)**, are admitted only to scientific program.

This is a **course offered to Graduate students** interested in current research in solid and fluid mechanics. The course runs **June 21-23, 2023**, just before the conference ECCOMAS MSF 2023, held May 25-27, 2023. The course students are not expected, in general, to make presentation at ECCOMAS MSF 2023.

## SOCIAL PROGRAM

Optional excursions for registered participants and accompanying persons will be organized during ECCOMAS MSF 2023.

The excursions will be organized either in Sarajevo, a city with a rich cultural life, or a number of tourist attractions within an easy reach from Sarajevo. The post-conference tours to Dubrovnik or to Mostar are also planned.

More information will be given in the Final Announcement and through the *web page of the conference*. *Pre-registration* for participants and accompanying persons is required.