

VENUE INFORMATION

The ECCOMAS Thematic Conference venue is **Sarajevo**, the capital of Bosnia and Herzegovina. The city urban area provides homes to the population of close to half a million. Sarajevo, which is located in the center of the country, has been the major crossroad on migrations path and conquests by Eastern Roman Empire, Slavs, Jews from Spain, Ottoman and Austro-Hungarian Empires, each leaving their imprints and contributing to the rich cultural heritage and a numerous monumental buildings still remaining in the city.

In the eighties, city of Sarajevo was known for 1984 Winter Olympic Games. Presently, Sarajevo has become known 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 named Sarajevo as the 43rd best city in the world, and in December 2009 listed 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 will be hosting the European Youth Olympic Festival in 2017.

Mid-July is the period just before the massive arrival of tourists, and the weather is already sufficiently mild for a very pleasant visit.

Conference venue/ contact address:

Gradjevinski fakultet (see Figure below)
(with sign: ECCOMAS MSF 2015)

Address: Patriotske lige 30,

71000 Sarajevo, Bosnia - Herzegovina

Tel. : +387(0)33 278400

Fax : +387(0)33200158

E-mail : gfsa@gf.unsa.ba



Travel / Hotels: Sarajevo can easily be reached by a direct flight from most European capitals. The city of Sarajevo provides a wide variety of accommodation possibilities, including bigger hotels *Bristol*¹, *Euroe*², *Holiday Inn*³, *Bosna*⁴, *Saraj*⁵, as well as many smaller

hotels (see map). More information on *travel plans and accommodation* can be obtained from the *conference web page* (see next)

ECCOMAS MSF 2015 - WEB PAGE

<http://www.gf.unsa.ba/eccomas-msf-2015/>

The final announcement, the conference program and detailed information about the MSF-2015 will be available at the *web page*:

<http://www.gf.unsa.ba/eccomas-msf-2015/>

For further information contact:

eccomas@gf.unsa.ba or

Prof. Adnan IBRAHIMBEGOVIĆ

(c/o ECCOMAS MSF-2015)

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Conference ECCOMAS MSF 2015



First Announcement &
Call for Papers

2nd International Conference on Multi-scale Computational Methods for Solids and Fluids

June 10 - 12, 2015



Sarajevo, Bosnia and Herzegovina

co-organized by:

A. Ibrahimbegovic, F. de Vuyst, J-M. Ghidaglia

Sorbonne Universités/ UTC, ENSC, France



and

A. Serdarevic, E. Ilic-Georgijevic, M. Hrasnica, S.
Dolarevic, N. Ademovic

University of Sarajevo, GF Sarajevo, BH



OBJECTIVES OF ECCOMAS MSF 2015

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.

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

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Ademovic N., University of Sarajevo, BH

ECCOMAS MSF 2015 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

Adaptive modeling

Mechanics of porous media

Multi-phase flows

Turbulence

Wave propagation

Examples in practice, 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 up to 500 words to Professor Adnan Ibrahimbegovic by **November 15, 2014**, containing the title of the proposed paper, the full address (including an e-mail) and the name of the corresponding author. The authors should indicate to which main conference topic their paper should be related to.

CALENDAR

15 November 2014. Deadline for abstracts submission
31 December 2014. Notification of abstracts acceptance
31 January 2015. Deadline for early registration
31 March 2015. Deadline Full paper submission
30 April 2015. Penalty for late registration payment
15 May 2015. Notification of special issue acceptance
10-12 July 2015. ECOMASS Conference at Faculty of Civil Engineering in Sarajevo

REGISTRATION FEES

ECCOMAS MSF 2015 registration package, with **early registration (before January 31, 2015) cost 395 Euro**, 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 (**after April 30, 2015 total cost: 395+105 = 500 Euro**). The late registration will fees will guarantee the place in the ECCOMAS MSF 2015 Final Program. For any late arrival, the presentation place is not guaranteed.

The potential participants are asked to register by filling in the registration form (available at ECCOMAS MSF 2015 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.**

SOCIAL PROGRAM

Optional excursions for registered participants and accompanying persons will be organized during ECCOMAS MSF 2015. 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.