

VENUE INFORMATION

The IASS-IACM Conference venue is the capital of Bosnia and Herzegovina **Sarajevo**. The city urban area provides homes to the population of close to half a million over a spread of more than 20 km along the Miljacka river. 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, Turkish and Austro-Hungarian Empires, each leaving their imprints and contributing to the rich cultural heritage and a number of monumental buildings that still remain in the city.

In more recent time, city of Sarajevo is famous for 1984 Winter Olympic Games, and sadly famous for suffering during long war after the break-up of Yugoslavia. The 'ambiance' is quite different now, and Sarajevo has become a new tourist 'must-see' destination. Month of April is the period just before the massive arrival of tourists, and weather is already sufficiently mild for a pleasant visit. We hope to be able to welcome you on this occasion.

Conference venue/ contact address:

Gradjevinski fakultet (see Figure below)

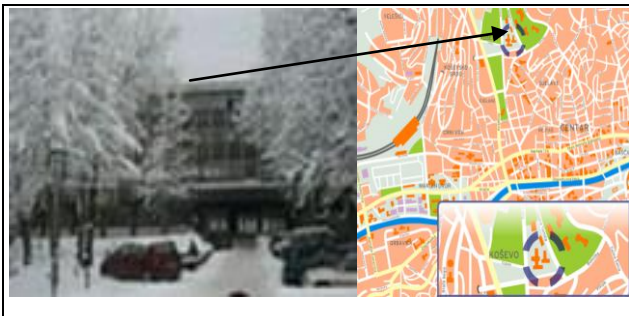
(with sign: *IASS-IACM 2012*)

exact address: ulica patriotske lige 30,
71000 Sarajevo, Bosnia - Herzegovina

Tel. : +387(0)33278400

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 hotels *Europa*¹, *Holiday Inn*², *Bosna*³, *Saraj*⁴ (see map). More information on travel plans and accommodation can be obtained from the conference web page (see bellow)

IASS-IACM 2012 WEB PAGE

The final announcement, the conference program and detailed information about the IASS-IACM 2012 will be available at the *meeting web page*:

<http://www.gf.unsa.ba/iass-iacm-2012/>

For further information contact:

Prof. Adnan IBRAHIMBEGOVIĆ

(c/o IASS-IACM 2012)

ENS-Cachan, LMT/ GCE

61, av. du president Wilson

94235 Cachan cedex, France

Tel. : +33(0)1 47 40 22 34 / 39

Fax : +33(0)1 47 40 22 40

E-mail : ai@lmt.ens-cachan.fr



IASS-IACM 2012 Conference



First Announcement & Call for papers

IASS-IACM 2012: 7th International Conference on Computational Mechanics for Spatial Structures

April 2 - 4, 2012



Sarajevo, Bosnia and Herzegovina

co-organized by:

ENS-Cachan/LMT-Cachan/Paris/France



and

University of Sarajevo, GF Sarajevo
Bosnia and Herzegovina



OBJECTIVES OF IASS-IACM 2012

It is fair to say that the challenge of constructing spatial structures (including the *primadonas* among them, the shells) was initially the main driving force for scientific developments and creation of IASS (by Eduardo Torroja in 1959) and of IACM (by Olek Zienkiewicz in 1981). Nowadays, these fields have expanded tremendously beyond what was initially meant, thanks to the success of powerful computational tools and methods (interestingly enough, there is still not a perfect shell element, even for linear problems!). It is also fair to say that many of the same people, who initially contributed to early developments, were among those who first recognized the potential of the developed tools for tackling different application fields outside of the initial scope. In fact, the current scientific research is very much driven by the applications and many challenging problems that the society at large thrusts upon the scientists to solve is very much interdisciplinary (eg. structure durability problem that involves structural mechanics, fluids, heat transfer, optimization, identification, probability ...).

The main goal of IASS-IACM 2012 Conference is to provide a critical assessment of the current knowledge and indicate new challenges in the computational modelling of spatial structures, which is in general the most important component of any particular inter-disciplinary problem we might be interested in. Here can be presented the research on spatial structures coming from a number of domains of application: Aerospace, Civil or Mechanical Engineering, or yet Material Science (very much like various domains of expertise of co-organizer, Laboratory of Mechanics and Technology-Cachan). The common ground for all problems of this kind from the viewpoint of scientific contents, which also justifies putting them on the same basis and addressing them within the same meeting, is the computational methods, be they destined for analysis, design or testing.

The IASS-IACM 2012 will also address the issue on what is the role of a spatial structure specialist in the present inter-disciplinary scientific research? Moreover, a special session/debate will be organized on what is the best educational/ training program for nurturing the next generation of specialists.

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.... to be completed (see web-site)...

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IASS-IACM 2012 TOPICS

According to the preliminary program, the introductory *keynote lectures* of each day of this meeting should set the contents and the boundaries as well as indicate the main issues concerning the computational methods for structural analysis, design and testing. The keynote lectures can also be integrated within an organized session. A number of organized sessions (containing 4-6 papers) will be scheduled at the meeting.

In summary, the Conference themes to be addressed are:

- A- analysis of spatial structures*
- B- design of spatial structures*
- C- testing of spatial structures*
- D- industrial applications/ construction*

The papers for any of 4 Conference themes, can deal with topics such as: structural models (cables, beams, plates, shells); finite element technology; innovative analysis methods; structural and multi-body dynamics; instability and buckling; contact with structures; fracture and localized failure; constitutive material models; fabrics, laminates and composites; reinforced-concrete structures; metallic structures; inflatable and deployable structures; structure-fluid interaction problems; structural optimization and form-finding; mathematical foundations; biomechanics structures; industrial applications ...

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 in structural engineering is also planned for publication of selected participant contributions.

CALL FOR PAPERS

Prospective authors are invited to submit an *extended abstract* of up to approximately 500 words (2 pages) to Professor Adnan Ibrahimbegovic by **June 15, 2011**, containing the title of the proposed communication, the full address (including an e-mail) and the name of the corresponding author. The authors are encouraged to indicate to which main conference topic (referenced with letters A to D) their contribution should be related. Submission can be made either by regular *mail* or by *e-mail*.

CALENDAR

June 15, 2011 Deadline for two-page abstracts submission

July 15, 2011 Notification of final acceptance

October 31, 2011 Deadline for early registration

December 1, 2011 Full paper submission

April 2-4, 2012 IASS-IACM held at GF Sarajevo

REGISTRATION

IASS-IACM-2012 registration package (cost: 395 Euros) includes: the proceedings of keynote and selected lectures and abstracts of other participants, admission to complete scientific program, welcome reception, lunches, banquet dinner, coffee breaks and a guided tour of the old city of Sarajevo.

The prospective participants are asked to register by filling in the IASS-IACM 2012 registration and accommodation form (available at the IASS-IACM 2012 web site) and pay the fees before October 31, 2011 (late registration charges of 25%).

SOCIAL PROGRAM

Optional excursions for registered accompanying persons will be organized during IASS-IACM 2012 concerning a wide variety of choices, either in Sarajevo, a city with a rich cultural life, or a number of tourist attractions within an easy reach from Sarajevo. More information will be given in the Final Announcement and through the *meeting web page*. *Pre-registration* for participants and accompanying persons is required.