

CALL FOR PAPERS

Authors are invited to submit a *Camera-Ready two page abstract* in electronic form by email to the Workshop Secretariat before **April 30, 2016**. All abstracts will be reviewed.

Authors will be informed prior to **May 31, 2016** regarding the acceptance of their contribution for presentation at the Workshop and publication in the Proceedings. Preparation of the document using *MSWord* is encouraged. If you prefer *LaTeX*, you can also use it. Both *MS Word* and *LaTeX* documents should be converted into pdf-format.

Please send us the document in *MSWord* or *LaTeX* and as pdf-file as well. Detailed instructions for the manuscript preparations are available at

https://www.fsb.unizg.hr/mechanics/chair_mechanics

IMPORTANT DEADLINES

Abstracts submission: **April 30, 2016**
Abstracts acceptance: **May 31, 2016**
Early registration fee: **June 30, 2016**
Booking of accommodation in hotel Lero: **July 15, 2016**

REGISTRATION

Registration Fee (Delegate and Student) includes Welcome Reception, coffee breaks and lunches on all conference days, Conference Dinner and Book of Abstracts.

Fee for accompanying persons covers Welcome Reception and Conference Dinner. Student registration considers PhD students.

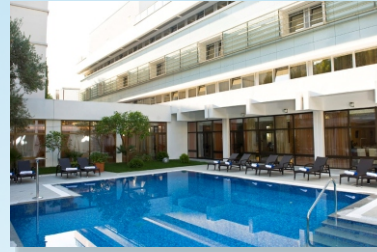
Registration Fees

	Before June 30, 2016 (Early Registration)	After June 30, 2016
Delegates	200 €	250 €
Students	100 €	150 €
Accompanying Persons	60 €	80 €

Registration Form and payment info are available at:

https://www.fsb.unizg.hr/mechanics/chair_mechanics

LOCATION



Town, Hotel Lero offers a unique experience.



Dubrovnik is a vivid town of beautiful climate, rich with cultural life, stunning and untouched natural resources and with high ecological standards. The magnificent architecture of Dubrovnik will deeply move you and make you feel like being part of its rich and diverse history.

The address of the Congress venue:

HOTEL LERO
Iva Vojnovića 14
20000 Dubrovnik
CROATIA
www.hotel-lero.hr
E-mail: sales@hotel-lero.hr

The city is easily accessible by sea, air (Dubrovnik Airport in Čilipi is 20 km from the city center) or land. Many European cities are well connected with Dubrovnik - by regular or charter flights.

Dubrovnik Airport info at www.airport-dubrovnik.hr

ACCOMODATION

Limited number of rooms is offered at hotel Lero. The hotel reservation should be arranged directly with the hotel.

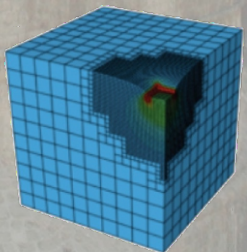
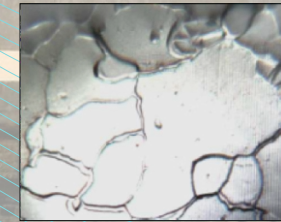
Dubrovnik is an attractive tourist destination and September is a high occupancy period. Therefore, you are kindly advised to make your hotel reservation on time.

The Workshop will take place at the premises of the **Hotel Lero** in the beautiful city of Dubrovnik, from **September 21 - 23, 2016**. Situated only a 15 minute walk away from Dubrovnik's Old

Dubrovnik is a city of unique political and cultural history and worldwide celebrated symbol of historical heritage. It was included in the UNESCO World Heritage List. One of the most famous Mediterranean cities,

Special Workshop

MULTISCALE MODELING OF HETEROGENEOUS STRUCTURES



Dubrovnik, Croatia
September 21 - 23, 2016

AIMS AND SCOPE

The main objective of the workshop is to bring together researchers with common interest in numerical modeling of heterogeneous materials. Special attention is focussed on multiscale approaches and homogenization procedures as well as damage evaluation and crack initiation which may significantly decrease structural load-carrying capacity.

The invited keynote speakers will address recent advances in the analysis and discretization of heterogeneous materials. The state-of-the-art in the different computational methods, software development and applications to realistic engineering structures will be highlighted. In particular, young researchers are encouraged to present results of their scientific work. Presentations of work in progress are also welcome.

The workshop provides an excellent environment to discuss open questions regarding accuracy and efficiency of computational methods. In addition, the workshop provides an opportunity for valuable interactions between junior and senior scientists that may result in new ideas as well as in new promising research directions.

Among the topics, of particular interest are:

- ☒ **Biomaterials**
- ☒ **Damage modeling**
- ☒ **Experimental and computational identification**
- ☒ **Extended Finite Element Method (XFEM)**
- ☒ **Finite element application**
- ☒ **Fracture initiation**
- ☒ **Localization phenomena**
- ☒ **Meshless method**
- ☒ **Multifield problems**
- ☒ **Multiscale approaches**
- ☒ **Nonlocal continuum**
- ☒ **Statistical mechanics**
- ☒ **Strain gradient approaches**
- ☒ **Virtual element method**

WORKSHOP ORGANIZERS

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UNDER THE AUSPICES OF

Central European Association for Computational Mechanics

German Association for Computational Mechanics

Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb

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