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.

<table>
<thead>
<tr>
<th>Registration Fees</th>
<th>Before June 30, 2016 (Early Registration)</th>
<th>After June 30, 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Delegates</td>
<td>200 €</td>
<td>250 €</td>
</tr>
<tr>
<td>Students</td>
<td>100 €</td>
<td>150 €</td>
</tr>
<tr>
<td>Accompanying Persons</td>
<td>60 €</td>
<td>80 €</td>
</tr>
</tbody>
</table>

Registration Form and payment info are available at: https://www.fsb.unizg.hr/mechanics/chair_mechanics

LOCATION

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 Town, Hotel Lero offers a unique experience.

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, 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 inČilipi 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.

ACCOMODATION

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 focused 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

Chairmen

O. Allix
École Normale Supérieure de Cachan, France

J. Sorić
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia

P. Wriggers
Institute of Continuum Mechanics, Leibniz Universität Hannover, Germany

Organizing Committee

B. Jalušić
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia

T. Lesičar
Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia

S. Löhnert
Institute of Continuum Mechanics, Leibniz Universität Hannover, Germany

C. Weißenfels
Institute of Continuum Mechanics, Leibniz Universität Hannover, Germany

KEYNOTE LECTURERS

- O. Allix
  École Normale Supérieure de Cachan, France

- M. Čanađija
  Faculty of Engineering, University of Rijeka, Croatia

- J. Schröder
  Institute for Mechanics, Universität Duisburg-Essen, Germany

- W. Wagner
  Institute for Structural Analysis, Karlsruhe Institute of Technology, Germany

- P. Wriggers
  Institute of Continuum Mechanics, Leibniz Universität Hannover, Germany

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

SPONSORED BY

Alexander von Humboldt Foundation, Germany

DFG, Int. Research Training Group 1627

WORKSHOP SECRETARIAT

Tomislav Lesičar
Faculty of Mechanical Engineering and Naval Architecture
Institute of Applied Mechanics
University of Zagreb
Ivana Lučića 5, HR - 10 000 Zagreb, Croatia
E-mail: tomislav.lesicar@fsb.hr
Tel.: +385 1 6168 514
Fax: + 385 1 6168 187