

5th International Conference on Material Modeling

FOURTH ANNOUNCEMENT

5th International Conference on Material Modeling (ICMM5)

June 14-16, 2017

International Research Center M&MoCS
Rome, Italy

The *International Research Center on Mathematics and Mechanics of Complex Systems* (M&MoCS) of the University of L'Aquila in collaboration with the *Laboratoire International Associé Cosc&Vita*, the *Fédération Francilienne de Mécanique, Matériaux, Structures et Procédés* (F2M) and the Department of Architecture of the University ROMA TRE is pleased to announce the **ICMM5**, International Conference on Material Modeling will take place at *Palazzo Argiletum*, Rome, Italy, from Wednesday, June 14 to Friday, June 16 2017.

Scientific Purpose

During the past decades, material modeling has become a field of central scientific importance. Although there exist many workshops, meetings, colloquia, etc. on specific materials and particular applications, here a single conference dedicated to material modeling with all its various facets is intended. To this end, the aim of the ICMM conference is to bring together researchers from the various fields of material modeling and material characterization and to cover essentially all aspects of material modeling. This will provide the opportunity for interaction between scientists working in different branches of material mechanics who otherwise would not come into contact with each other.

This conference is the fifth in the ICMM series:

- ICMM1 took place in 2009 in Dortmund, Germany;
- ICMM2 in 2011 in Paris, France;
- ICMM3 in 2013 in Warsaw, Poland;
- ICMM4 in 2015 in Berkeley, California.

Main Topics (tentative list to be completed)

- Elasticity and viscoelasticity
- Plasticity and viscoplasticity
- Strain gradient & nonclassical approaches
- Atomistic to continuum transitions

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- Statistical mechanics
- Micro- and nano-scale modeling of hcp alloys
- Nanomechanics
- Phase and chemically transforming materials
- Multiscale modeling
- Granular materials and particle systems
- Polymeric materials
- Biomaterials
- Multi-field modeling
- Multiferroic materials
- Creep, damage, fracture, and fatigue
- Experimental identification and material characterization
- Micro-architected materials
- Mechanical metamaterials
- Homogenization techniques
- Length and time scales for materials: theory, experiments and simulations

The conference will be held within the fascinating setting of the historical building of *Palazzo Argiletum*, premises of the Department of Architecture of the University ROMA TRE, in the historic heart of Rome. The name of the building, reminds of the ancient Via Argiletum, an old Roman road that ran through the ancient Suburra more or less the same as the current Via Madonna dei Monti. This long way is characterized by Medieval and Renaissance buildings and by seventeenth and eighteenth century palaces.



Venue address: *Argiletum*, Facoltà di Architettura di ROMA TRE, Via della Madonna dei Monti, 40 – 00184, Roma

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In addition to parallel sessions, there will also be a poster session organized. Oral and poster presentations are both welcome.

Accommodation

There are a number of hotels around the Conference Venue. Participants of the ICMM5 can book by themselves their stay at the hotels partner at discounted prices at the following link:

www.memocsevents.eu/wordpress/cossevita/icmm5-accommodation

Registration and Fees

Early registration before 1st February 2017 is advised.

	Early Registration	Late Registration
Conference fees	270 Euros	300 Euros
Conference dinner	40 Euros	40 Euros

The registration fees include the participation in all sessions, coffee breaks and a welcome reception.

The Registration to the ICMM5 is available at the following link:

www.memocsevents.eu/wordpress/cossevita/icmm5-registration

Warning

PLEASE REMARK THAT THERE IS AN ANNOUNCEMENT ABOUT A VERY SIMILAR CONFERENCE IN THE SAME PLACE IN A DIFFERENT DATE. BE VERY CAREFUL WHEN SENDING THE PAYMENT OF INSCRIPTION FEE.

IN CASE OF NEED PLEASE CONTACT THE SECRETARIAT OF THE CONFERENCE AT THE FOLLOWING ADDRESS: icmm5.rome2017@gmail.com

Abstracts

To submit an abstract please follow the instructions at the following link:
www.memocsevents.eu/wordpress/cossevisa/icmm5-abstract-submission

The deadline for submission of Abstracts is February 1, 2017

We strongly recommend to submit the abstract before the deadline.

Local Scientific Committee

Francesco **dell'Isola** (SAPIENZA Università di Roma, Italy, M&MoCS Center, University of L'Aquila)

Alessandro **Della Corte** (SAPIENZA Università di Roma, Italy)

Ivan **Giorgio** (SAPIENZA Università di Roma, Italy)

Olivier **Millet** (Université de La Rochelle, France)

Nicola Luigi **Rizzi** (University ROMA TRE, Italy)

Daria **Scerrato** (M&MoCS Center, University of L'Aquila)

Patrizia **Trovalusci** (SAPIENZA Università di Roma, Italy)

Scientific Committee

Douglas J. **Bammann**, Mississippi State Univ., USA

Frederic **Barlat**, Pohang University of Science and Technology, Korea

Albrecht **Bertram**, University of Magdeburg, Germany

Pawel **Dluzewski**, Institute of Fundamental Technological Research PAN, Warsaw, Poland

Fionn **Dunne**, Imperial College London, UK

Yuri **Estrin**, Monash University, Melbourne, Australia

Samuel **Forest**, Mines ParisTech, Paris, France

Marc **Geers**, Eindhoven University of Technology, The Netherlands

Sanjay **Govindjee**, University of California, Berkeley, USA

Istvan **Groma**, Eötvös Univ., Budapest, Hungary

Francesco **dell'Isola**, Università di Roma La Sapienza, Italy

Mitsutoshi **Kuroda**, Yamagata University, Japan

Dave **McDowell**, Georgia Institute of Technology, USA

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Karol **Miller**, University of Western Australia, Perth

Roberto **Paroni**, University di Sassari, Alghero, Italy

Arun **Srinivasa**, Texas A&M University, College Station, USA

Srinivasan M. **Sivakumar**, Indian Institute of Technology, Madras, India

Bob **Svendsen**, RWTH Aachen Univ., Germany

George **Voyiadjis**, Louisiana State University, USA

Quan-Shui **Zheng**, Tsinghua Univ., Beijing, China

Important dates

Opening early registration: June 13, 2016

Opening the abstract submission and registration: November 2, 2016

Closing early registration and abstract submission: February 1, 2017

Sending acceptance decision: February 28, 2017

Closing late registration: May 5, 2017

Website: www.memocsevents.eu/wordpress/cossevita/icmm5-home