



RECENT ADVANCES IN MECHANICS AND MATHEMATICS OF MATERIALS

2nd International Meeting of Young Researchers

Rome, 18-20 November 2019

DESCRIPTION

The Workshop RAM3 brings together young and distinguished scientists working at the intersection between mechanics and mathematics, for a three days event in Rome.

The main focus of the workshop is on solid mechanics and its applications to material modelling, structural theories and multiphysics coupling. During the workshop four keynote lectures will be delivered by prominent researchers to inspire the young attendees with novel research topics and new challenges.

By gathering together young scientists from all the world, the workshop intends to foster new ideas and promote new collaborations among the participants in a stimulating and informal setting.

TOPICS

Topics of the workshop are research in solid mechanics including linear and nonlinear elasticity, wave propagation problems, with applications in material science, biomechanics, engineering and industry. The topics include but are not limited to:

- *Materials*
 - (electro-, magneto-, ...) active
 - innovative composite
 - micro- and nano-structured
 - shape memory
 - soft
- *Advanced experimental techniques*
- *Advanced numerical methods*
- *Growth and remodelling*
- *Instabilities*
- *Multiscale modeling*
- *Variational methods*

REGISTRATION

Attendance will be free, but registration at workshop website is kindly requested.

VENUE

Cloister Room, Faculty of Engineering, SAPIENZA University of Rome
Via Eudossiana 18, 00184, Rome

DATE

18-20 November 2019

INFO ram3@uniroma1.it <https://sites.google.com/a/uniroma1.it/ram3/>

PRELIMINARY LIST OF SPEAKERS

- **Jeremy BLEYER**, École des Ponts Paris Tech, *France*
- **Federico BOSI**, University College London, *UK*
- **Laurence BRASSART**, Monash University, Melbourne, *Australia*
- **Shawn A. CHESTER**, New Jersey Institute of Technology, Newark, *USA*
- **Andrew T. CONN**, University of Bristol, *UK*
- **Vito CRISMALE**, École Polytechnique, Paris, *France*
- **Moumita DAS**, Rochester Institute of Technology, *USA*
- **Elisa DAVOLI**, University of Vienna, *Austria*
- **Andrej KOŠMRLJ**, Princeton University, *USA*
- **Claire LESTRINGANT**, ETH Zürich, *Switzerland*
- **Derek E. MOULTON**, University of Oxford, *UK*
- **Gianluca ORLANDO**, Technische Universität München, *Germany*
- **Paolo PIOVANO**, University of Vienna, *Austria*
- **Tomohiko SANO**, Ritsumeikan University, Kyoto, *Japan*
- **Brian SEGUIN**, Loyola University of Chicago, *USA*
- **Gal SHMUEL**, Technion, Haifa, *Israel*

KEYNOTE LECTURES

- **Kaushik BHATTACHARYA**, California Institute of Technology, *USA*
- **Yi-Chao CHEN**, University of Houston, *USA*
- **Michel DESTRADE**, NUI Galway, *Ireland*
- **Roberto PARONI**, University of Pisa, *Italy*

ORGANIZERS

Roberto ALESSI
University of Pisa

Jacopo CIAMBELLA
Sapienza University of Rome

Antonino FAVATA
Sapienza University of Rome



SAPIENZA
UNIVERSITÀ DI ROMA

DIPARTIMENTO
DI INGEGNERIA STRUTTURALE
E GEOTECNICA



Under the auspices of

