



# 14<sup>th</sup> Youth Symposium on Experimental Solid Mechanics

## Announcement and Call for Papers

**May 20<sup>th</sup> – 23<sup>th</sup>, 2015**  
**International Academy Traunkirchen**

The 14th symposium continues both the long tradition of this conference series and introduces novel elements.

The YSESM 2015 symposium provides a forum for young researchers and engineers, students and PhD students dealing with subjects of experimental mechanics. In addition, the combination of the experimental mechanics with modern numerical methods will be a new focus of this 14th Symposium.



## Program

<b>May 20, 2015</b> (Wednesday):	Registration and forming of teams by free time activity, definition of the job for the teams
<b>May 21, 2015</b> (Thursday)	Key-note lectures, team work
<b>May 22, 2015</b> (Friday)	Poster presentations, excursion and conference dinner
<b>May 23, 2015</b> (Saturday)	Poster presentation and team work presentation

## Topics

The Symposium concentrates on current work in all areas of experimental research and its application in solid and fluid mechanics. The topic will particularly concern to:

- Conventional and Advanced Experimental Methods of Solid and Fluid Mechanics
- Non-Destructive Testing and Inspection
- Measurements in Material Science
- Advances in Material testing
- Time Dependent material behavior
- Computer Assisted Testing and Simulation
- Optical Methods and Image Processing
- Measurements in Biomechanics
- Sensor Techniques for Micro- and Nano-Applications
- Fracture and damage mechanics
- Engineering Design Simulation
- Hybrid Methods, Experimental Techniques – Numerical Simulation

## Key-Note lectures

Special focus is given during the 14th symposium to the experimental mechanics and numerical simulation of fiber reinforced composite materials

The key-note speakers of the symposium are:

**Prof. Gordon Williams**, Imperial College London (UK)

**Prof. Andrea Pavan**, Politecnico di Milano, (Italy)

**Prof. Michael Bruyneel**, LMS Samtech s.a., Siemens PLM; University of Liege (Belgium)

**Dr.-Ing. Martin Küssner**, Siemens PLM Software (Germany)

The key-note lectures summarize the main topics of the selected field and are going to show scientific perspectives on these fields for young researches.

## Conference Fee

The Symposium fee **350 Euro** includes:

- Accommodation for young researchers in double rooms (2 persons)
- Refreshment and meal during the symposium
- Conference kit and proceedings
- Conference gala dinner
- Tourist trip and other team activities

## Team Work

The participants of the symposium will form teams (8-10 persons/team) during the symposium. The teams have to solve a complex problem related to the mechanics of materials using both analytical and numerical tools. The Organizing Committee provides both computers with various software tools as well as tutors for the teams.

## Poster presentations

The participants can present their poster during a short oral presentation (max 5 minutes). After the oral presentations there is a poster session for presenting the posters selected for this session.

## Timeline

Second circular will be sent out by **mid December 2014**.  
Deadline for abstracts will be **January 30, 2015**.  
Deadline for registration (incl. payment) will be **March 31, 2015**.

## Contact & Information

**Homepage:** <http://ysesm2015.jku.at/>

**E-mail:** [ysesm2015@jku.at](mailto:ysesm2015@jku.at)