

# Advances in Micromechanics of Materials

Rzeszów, Poland, 8<sup>th</sup>-11<sup>th</sup> July 2014

## CONFERENCE TOPICS

### Fundamental aspects of micromechanics

- Microstructure-property relations
- Effect of inhomogeneities' shapes on overall properties
- Cross-property relations
- Theory of homogenization
- Inverse problems of micromechanics

### Computational micromechanics

- Multi-scale simulations of microstructure materials
- Damage and fracture analysis
- Deformation at microscale

### Applied micromechanics

- Mechanics of composite materials
- Micromechanical aspects of biomechanics
- Micromechanical modeling in geomechanics
- Applications of micromechanics to materials science

## CONFERENCE VENUE

Rzeszów University of Technology is the Conference venue. It was established in 1951 and now is the largest University in the Podkarpacki Region (South East of Poland).

Rzeszów is served by an **international airport**. Nearby places of interest include **Łańcut Castle** (a grand 17<sup>th</sup> century palace) and the majestic monastery at **Leżajsk** (both pictured right), which are 30 minutes from Rzeszów. The old Polish capital **Kraków** with rich heritage is only around two hours away.

## KEY-NOTE SPEAKERS

- Prof. Mark Kachanov (Tufts University, USA)
- Prof. Thomas Böhlke (Karlsruhe Institute of Technology, Germany)
- Prof. Helmut J. Böhm (Vienna University of Technology, Austria)
- Prof. Victor A. Eremeyev (University of Magdeburg, Germany)
- Prof. Elena Cherkaev (The University of Utah, USA)

## FURTHER INFORMATION

- Deadline for abstract submission: 2 April 2014
- Notification of acceptance: 15 April 2014
- Grants supporting young researchers are available on application
- **MICROMECH2014** registration and other details:  
<http://fp7.imaps.aber.ac.uk/micromech2014/>



Rzeszów University of Technology



Rzeszów



Łańcut Castle



Leżajsk