

Recent Advances in Numerical Simulation of Hydraulic Fracture

Rzeszów, Poland, 14th-16th July 2014



THE INTERNATIONAL CONFERENCE

The **topics** of **HYDROFRAC2014** include but are not limited to:

- The theoretical rationale for hydraulic fracturing
- The application of Newtonian and shear-thinning fluids for hydraulic fracturing
- Enhanced models of proppant movement
- Improved and novel numerical techniques
- Modeling of hydraulic fracture in low-permeable shales and coals
- Simulation of seismicity accompanying hydraulic fracture
- Inversion of microseismic data
- Application of observed seismicity and/or tilts for data calibration

THE UNIVERSITY AND CITY

Rzeszów University of Technology is named after Ignacy Łukasiewicz, who is remembered as the discoverer of fractional distillation of oil and was a pioneer of the use of paraffin in lamps. He performed most of his work in this part of southeast Poland in the 19th century.

The city is served by an **international airport**. Nearby places of interest include **Łańcut Castle** (a grand 17th century palace) and the majestic monastery at **Leżajsk** (both pictured right), which are 30 minutes from Rzeszów. Slightly further afield, the **Bóbrka museum** of oil and gas industries is approximately an hour's journey near the medieval fortified town of **Krosno**, and the old Polish capital **Kraków** with rich heritage is only around two hours away.

KEY-NOTE SPEAKERS

- Prof. Charles Fairhurst (University of Minnesota)
- Dr Branko Damjanac (ITASCA)
- Prof. Mirko van der Baan (University of Alberta)

FURTHER INFORMATION

- Deadline for abstract submission: 2 April 2014
- Notification of acceptance: 15 April 2014
- Grants supporting young researchers are available on application
- Registration and other details:
<http://fp7.imaps.aber.ac.uk/hydrofrac2014/>
- Scientific Secretary of the Conference
Dr Liliana Rybarska-Rusinek: hydrofrac2014@prz.edu.pl



Rzeszów University of Technology



Rzeszów



Łańcut Castle



Leżajsk



RZESZOW UNIVERSITY OF TECHNOLOGY



PRIFYSGOL ABERYSTWYTH UNIVERSITY

