



## Lecture No. 67

**Czech Society for Mechanics  
and Institute of Thermomechanics, CAS**

invite you to a lecture and discussion within  
the lecture series **Institute of Thermomechanics Seminar**

# Stress waves and people in the Institute of Thermomechanics

given by

**Prof. Miloslav Okrouhlík**

Institute of Thermomechanics of the Czech Academy of Sciences, Prague

The lecture will cover the following topics:

- Historical overview
- Analytical approach to stress wave propagation
- Dispersion
- Musing about threshold
- Computational
- Experimental
- Continuum limits
- Case studies
- Shell – experiment vs. FE analysis
- Rock drilling – how much of impact energy is lost in the rock
- How to make torsional waves out of axial ones
- Impacted rod with spiral slots – FE vs. experiment
- Cheep wisdom (or triviality) at the end

**The lecture will be held on Wednesday, June 12, 2019 at 10:00 in the building  
of the Institute of Thermomechanics (lecture room B), Dolejškova 5, 182 00 Prague 8**