

## **Identification of material parameters**

*Radim Blaheta, Ondřej Jakl, Roman Kohut, Rostislav Hrtus*

The lecture concerns identification of material parameters and calibration of models. As an example, we consider (discrete) time dependent heat flow model arising in geomechanics. The problem is formulated as nonlinear least square problem and its solution by Nelder-Mead, genetic and gradient type methods is discussed.

Parallelization and gradual refinement are described as possible tools for increasing the computational efficiency.