



Lecture No. 50

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

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

IMPLEMENTATION AND APPLICATIONS OF A GENERAL MODEL FOR VARIOUS CONTACTS WITH ADHESION AND/OR FRICTION

given by

Doc. Ing. ROMAN VODIČKA, PhD.

Faculty of Civil Engineering
Technical University of Kosice

A general model covering a large variety of adhesive or cohesive contact interfaces with friction between visco-elastic bodies is presented. A semi-implicit time discretisation advantageously decouples the solved system and, after a spatial discretisation, it enables an efficient numerical implementation by the boundary element method. The model is illustrated by various examples documenting its wide applicability.

**The lecture will be held on Wednesday, June 6, 2018 at 11:00 in the building
of the Institute of Thermomechanics (lecture room B), Dolejškova 5, 182 00 Prague 8**