



## Lecture No. 95

Czech Society for Mechanics and Institute of Thermomechanics, CAS

invite you to an **online** research seminar

# Dynamics of large rotating systems - methods and applications

given by

doc. Ing. Michal Hajžman, Ph.D.

Department of Mechanics, Faculty of Applied Sciences,  
University of West Bohemia

Rotating mechanical systems are interesting systems from the viewpoint of inertia effects arising during the rotation and mutual interaction of subsystems. The presentation will be aimed at introducing the approaches for the modelling of such systems and a description of the software development suitable for the solution of real industrial problems. Main components of large rotating systems will be described, and their characteristics will be explained. The whole modelling methodology will be demonstrated in the typical industrial problems of large turbomachines in nuclear and conventional power plants. The modelling and dynamical analysis of oil journal bearings will be addressed in more detail.

**The lecture will be held on Wednesday, January 27, 2020 at 13:00**

**Online via ZOOM meeting**

with link <https://us02web.zoom.us/j/87861110786>

**Meeting ID 878 6111 0786**