



Position: professor

Field of research: Mechanical Engineering

Implemented research projects (expertise):

- damage accumulation and fracture of structural elements under complex loading conditions,
- finite element modelling of deformation and fracture of the mesostructure of porous materials (including metamaterials) using microtomography,
- experimental research and modelling of interactions between damage caused by creep and fatigue of materials,
- fracture criteria for notched elements under complex loading conditions, including at elevated and reduced temperatures,
- modelling of fracture of heterogeneous and anisotropic materials on the example of fibre composites and wood.

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Doctor honoris causa multi

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Teaching

Subjects:

- diploma seminar
- strength of materials