

FORM FOR EMPLOYERS

INSTITUTION: Lodz University of Technology, Faculty of Mechanical Engineering,
Department of Strength of Materials

CITY: Lodz

POSITION: Research Assistant (Post-doc)

DISCIPLINE: Mechanical Engineering

POSTED: 28 September 2021

EXPIRES: 27 October 2021

WEBSITE: <http://www.kwm.p.lodz.pl>

KEY WORDS: Dynamic response, dynamic stability, transient analysis.

DESCRIPTION (field, expectations, comments):

Topics

Employment as an assistant researcher (Post-doc) at the project OPUS 17 from National Centre of Science.

Description of project tasks:

- Cooperation with numerical model development for dynamic response analysis of thin-walled plate subjected to pulse or time depended load
- Perform numerical calculations in FEM software

Requirements

- Education: PhD in mechanical engineering, physics, or applied mathematics; PhD graduation no longer than 4 years ago
- The ability in modeling and numerical analysis using ANSYS APDL software
- Ability to solve nonlinear transient problems
- Basic knowledge of the dynamic buckling problem and extend knowledge for method allowing to access stability for dynamic system (e.g. the use of dynamic tools to evaluate the dynamic stability of the examined structures).
- Publications: at least five publications in international journals
- Languages: fluency in English

Procedures for the recruitment

The recruitment procedure has a two-stage formula and it will consist of the following stages:

1st Stage – An assessment of written applications. Applicants should submit:

- A motivating cover letter stating the current/future interests
- CV
- A list of publications
- Three letters of recommendation
- signed RODO information clause for candidates for work at the Lodz University of Technology

2nd Stage – A qualifying interview with selected candidates (optionally).

Terms and Conditions

The contract of employment (full-time) for a period of 12 months.

Remuneration: 10 000 PLN per month (gross-gross).

Applications will be accepted until 27.10.2021 at the Secretariat of the Department of Strength of Materials at the Faculty of Mechanical Engineering Technical University of Lodz, address: Stefanowskiego 1/15, 90-924 Lodz, (A22 building, room 110) and the e-mail address: w1k12@adm.p.lodz.pl