

FORM FOR EMPLOYERS

INSTITUTION: Lodz University of Technology, Division of Dynamics

CITY: Lodz, Poland

POSITION: PhD researcher

KEY WORDS: mechanics, tuned mass dampers, inerter, non-linear dynamics,

DESCRIPTION:

Topics

Scholarship for PhD student working as a researcher in the project SONATA from National Centre of Science, Poland.

Description of project tasks

- Running numerical simulations of dynamical systems;
- Participation in development of new probabilistic methods for dynamical analysis;
- Creation and development of software for numerical simulations and data analysis (also “big data analysis”)
- Participation in writing scientific articles;
- Participation in international scientific conferences.

Requirements

- Education: MSc in mechanical engineering, physics, computer science, applied mathematics or related disciplines,
- Possibility to start PhD studies at Lodz University of Technology,
- Programming experience, preferable in C++ or Python,
- Languages: very good command of English.
- Motivation for scientific research

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,
- Full CV – including scientific achievements, publications, awards, scholarships, courses, participation in research projects.
- Confirmation of MSc degree

2nd Stage – a qualifying interview with selected candidates

Terms and Conditions

- Scholarship: 4000PLN per month;
- Possibility to obtain a doctoral scholarship (around 2500PLN per month) and other scholarships for the results of scientific work;
- Working place: Department of Machine Dynamics, Faculty of Mechanical Engineering, Lodz University of Technology;

Applications will be accepted until 30.09.2019 at the Secretariat of the Department of Dynamics at the Faculty of Mechanical Engineering Technical University of Lodz, address: Stefanowskiego 1/15, 90-924 Lodz, (A22 building, room 122) and the e-mail address: piotr.brzeski@p.lodz.pl