

PhD Student in NSC project at Faculty of Civil Engineering and Transport

Requirements:

Knowledge of mechanical and/or materials engineering (MSc level - leader in 10% of top students).

Task description:

Implementation of research tasks in the frame of the OPUS project funded by the National Science Center "Mathematical modeling, analysis of dynamic properties, and fabrication of thermally-sprayed ceramic-metallic bulk composite materials" (no. 2023/51/B/ST8/01062).

Experimental testing of elaborated materials thermally-sprayed ceramic-metallic bulk composite materials: static and dynamic test (tension, compression, shearing and perforation).

Statistical analysis of obtained results.

Elaboration of new concepts in dynamic (extreme) testing in elevating temperatures.

The application documents should be sent at email: wojciech.sumelka@put.poznan.pl including:

- CV
- Motivation letter
- Copies of papers and conference presentations (optional)

on **October 18, 2024 at the latest.**

Scholarship conditions:

4-year full-time PhD scholarship, including 36 months within the project (with evaluation after 24 months).

Form of employment: doctoral scholarship

Amount of financing: according to national regulations (Act - Law on Higher Education and Science and the Regulation on the amount of the minimum monthly basic salary for a professor at a public university).

Starting date 01.11.2024

What we offer:

- scholarship for 3 years at Poznan University of Technology,
- 3-months long internship at selected EUNICE University member,
- friendly, dynamic and supportive environment
- training in advanced experimental tests of materials

- opportunity to participate in international courses and conferences
- help with applications for additional funding during your studies.

Additional information:

For additional information, please contact the principal investigator: Prof. Wojciech Sumelka (wojciech.sumelka@put.poznan.pl)

The competition will be decided by October 21, 2024.