**PhD scholarship offer in OPUS project and Faculty of Control, Robotics and Electrical Engineering
(1 position)**

Requirements:
1. Master's degree (MSc) in automation and robotics, computer science, or a related field.
2. Experience in developing and implementing control algorithms.
3. Experience in computer simulations, knowledge of describing dynamic systems and physical phenomena.
4. Knowledge of programming languages, particularly Python and C/C++.
5. Ability to analyze data and draw conclusions.
6. Knowledge of English sufficient to read scientific literature.
7. Ability to work in a team, be responsible, conscientious, communicate well, and eager to learn.
8. Creative thinking.

Task description:
Completion of a doctoral thesis on "Modeling and Control of Magnetoactive Elastomers as Unconstrained Robots." In particular, research in simulation and experimental work related to the modeling and control of soft robotics systems built using magnetorheological elastomers. Implementation of control algorithms using Lyapunov methods or machine learning. Preparation of publications and reports on completed work. As part of the OPUS project no. 2024/53/B/ST7/01540, Interaction of Magnetorheological Elastomer with Magnetic Materials in Soft Robotics Application.

Deadline: 20/08/2025 23:59

Terms of employment:
Type of employment: doctoral scholarship
Estimated financing period: 1 October 2025 – 30 September 2027 with extension possibility
Salary: doctoral scholarship in the amount compliant with the provisions of the Higher Education Act – PLN 3,467 gross per month before the mid-term evaluation, PLN 5,341 gross per month after the mid-term evaluation

Additional information:
Application documents should be sent to the email address: jakub.bernat@put.poznan.pl, with the subject "NCN OPUS – recruitment."

List of required documents:
1. Candidate's CV with a list of scientific achievements and completed internships.
2. Cover letter describing research interests and presenting the research plan.
3. Certificate of student status confirming completion of master thesis studies.
4. Consent to the processing of personal data for recruitment purposes.
All required documents/attachments should be sent as PDF files.

We kindly inform you that we will contact selected candidates. The second stage requires recruitment at the Doctoral School of Poznań University of Technology.

The competition will be decided by: 27/08/2025

The information about General Data Protection Regulation (GDPR) is given in
https://put.poznan.pl/ochrona-danych-osobowych