

Position in the Project: Postdoctoral Researcher in the Institute of Micromechanics and Photonics.

Institution: Photonics Engineering Division, Institute of Micromechanics and Photonics, Warsaw University of Technology, Warsaw.

Requirements:

1. PhD degree with specialty in the field of optics, mechatronics or physics (obtained not later than 7 years before this call).
2. Expertise in optical and optomechatronic design. Very good experimental skills.
3. Very good knowledge of Matlab/Python/LabView environments.
4. Expertise in the field of optical measurement methods, microscopy and complex amplitude retrieval.
5. Fluent English.
6. Strong motivation and passion for scientific work both independently and as part of a team in an interdisciplinary environment, with the ability to pay close attention to detail and to meet deadlines.
7. Excellent soft skills.
8. Experience in dissemination of results to the scientific community and establishing international cooperation.

General description:

The project aims at developing novel full-field optical measurement techniques for fixed and dynamic biological phase-samples characterization. PostDoc associate will be responsible for developing and optimizing experimental setup of the grating shearing interference microscope and its extension enabling phase imaging and tomography, implementing data acquisition and modifying interferogram analysis procedures, testing various biological and technical objects using the developed software and hardware. A successful dissemination of results to the scientific community is expected. Moreover co-supervising PhD student and Master students will be required. Establishing international cooperation within the project will be most welcomed.

What we offer:

1. Employment contract and competitive remuneration package.
2. Work in dynamic and competent scientific group with excellent environment and international cooperation.
3. Financial support of abroad scientific visits and attending conferences.

Type of NCN Project: OPUS – ST.

Application deadline: 31.03.2018, 00:00.

Please submit the following documents to: m.trusiak@mchtr.pw.edu.pl.

Conditions of employment:

Full time position for 36 months at Institute of Micromechanics and Photonics, Warsaw University of Technology.

Preferred time of starting position: 1st May 2018.

If your application is successful and you accept our offer of employment, you will receive the employment agreement and all other relevant documents. The call deadline may be extended at any time without previous notice to improve the suitability and effectiveness of the recruitment process.

Additional information:

Motivation letter (in English).

CV (in English).

PhD thesis and PhD degree confirmation.

Contact details of the scientific supervisor and other referees (if available).

To apply, please send your application, including motivation letter, CV with the list of your publications and achievements, PhD thesis and a copy of PhD degree or equivalent confirmation of having PhD degree alongside with contact information to the scientific supervisor and other referees (if available) to the following e-mail address: m.trusiak@mchtr.pw.edu.pl until the 31.03.2018. Applications from PhD students that will receive their degree before 1 May 2018 are also welcomed.

We thank all applicants for their interest, however, only selected candidates may be invited for an interview. Applications will be accepted until the position is filled. If the winner of the competition resigns from signing the contract, we reserve the right to choose the next best person from the ranking list.

Please, include in your application the following statement: "In accordance with the personal data protection act from the 29th of August 1997, I hereby agree to process and to store my personal data by the Institution for recruitment purposes."