

**Position in the Project:** Master Student in the Institute of Micromechanics and Photonics.

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

**Requirements:**

1. Master's degree students (completed engineering or bachelor degree) in technical (photonics engineering, mechatronics, biomedical engineering) or physics field.
2. Very good written and spoken English that allows to understand scientific literature, prepare papers and presentations.
3. Programming skills Matlab/Python.
4. Strong motivation 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.
5. Very good soft skills.

**General description:**

The project aims at developing novel full-field optical measurement techniques for fixed and dynamic biological phase-samples characterization. Master level student will be responsible for developing, implementing and testing adaptive advanced algorithm for fringe pattern and diffraction pattern processing in grating (shearing) interference microscope and its extension enabling phase imaging and tomography. Moreover testing various biological and technical objects using the developed software is envisioned. Active participation in dissemination of results to the scientific community is required. Master Student will work closely with PhD student and will be supervised by PostDoc employed within the same project.

**Type of NCN Project:** OPUS – ST.

**Application deadline:** 28.02.2018, 00:00.

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

**Conditions of employment:**

Master Student scholarship 1500 PLN/month, stipend contract for 18 months.

Preferred time of starting position: 1st April 2018.

Additionally, the financial support of abroad scientific visits and attending conferences is ensured within the project.

**Additional information:**

Motivation letter (in English).

CV (in English).

Bachelor thesis.

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

To apply, please send your application including motivation letter, CV and achievements list, Bachelor degree thesis 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 28.02.2018. Incomplete applications will not be considered.

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. The call deadline may be extended at any time without previous notice in order to improve the suitability and effectiveness of the recruitment process. If the winner of the competition resigns from signing the scholarship contract, we reserve the right to choose the next 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."*