

**Position in the Project:** Master Student in the Institute of Micromechanics and Photonics within the NCN OPUS Project: “Numerically advanced phase and amplitude demodulation for optical interference microscopy and tomography” (Principal Investigator: Maciej Trusiak, PhD).

**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 non-technical 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 algorithms enabling fringe pattern and diffraction pattern processing for interference microscopy. 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 with PhD student and PostDoc employed within the same project.

**Number of positions:** 1

**Type of NCN Project:** OPUS – ST.

**Application deadline:** 31.01.2020, 23:59.

**Please submit the following documents to:** [maciej.trusiak@pw.edu.pl](mailto:maciej.trusiak@pw.edu.pl), [maciek.trusiak@gmail.com](mailto:maciek.trusiak@gmail.com).

**Conditions of employment:**

Master Student scholarship 1800 PLN/month, stipend contract for 10 months.

Preferred time of starting position: 1<sup>st</sup> March 2020.

**Additional information:**

Motivation letter (in English)

CV (in English) highlighting scientific achievements

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: [maciej.trusiak@pw.edu.pl](mailto:maciej.trusiak@pw.edu.pl) until the 31.01.2020. 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.

*Due to the entry into force of Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016, we also require that your job advertisements include a clause requesting the candidate's consent to the processing of his or her personal data by the institution which carries out the recruitment process.*

*“Hereby I declare that I meet the requirements described in the w art. 113 Act from 20 July 2018. Law on higher education.”*

*Your personal data is processed on the basis of the Article 6 Part 1 Points (c) and (f) of the Regulation (EU) 2016/679 of the European Parliament and of the Council of 27 April 2016 on the protection of natural persons with regard to the processing of personal data and on the free movement of such data, and repealing Directive 95/46/EC (GDPR Official Journal of the European Union L 119/1).*