PHD STUDENTSHIP IN QUANTUM PHOTONICS LAB

Quantum Photonics Laboratory (http://www.fuw.edu.pl/~zopt/lfk) within the Faculty of Physics of the University of Warsaw seeks to fill a PhD student position. The position is within the "Manipulating spectral entanglement by complex temporal phase modulation" project, funded by the Foundation for Polish Science HOMING programme.

We seek motivated candidates with a Master's (or equivalent) degree in physics, chemistry, engineering and related disciplines. Previous experience of experimental work in a photonic laboratory and/or experience in working with high-speed electronics will be an asset. We expect good understanding of the basic concepts of quantum information processing.

We offer participation in a cutting-edge research project, which aims to combine recent developments in quantum optics with state-of-the-art radio-frequency optical modulation methods to realize highly efficient optical encoding of quantum information and quantum key distribution protocols. The project will be carried out in a tight collaboration with the Department of Physics of the University of Oxford. We expect the successful candidate to travel to Oxford for several research visits, totalling up to 7 months duration.

The position is funded for 2 years (please inquire by e-mail to learn about possibilities to obtain funding for a longer duration), with a monthly stipend of 4000 PLN.

The deadline for applications is **16 December 2016**. Selected candidates may be invited for interviews which may take place between 19 and 21 December 2016 (remote interview possible). Please submit a CV, a copy of your Master's (or equivalent) diploma, and a copy of your academic transcript in a single email message (with pdf attachments) to michal.karpinski@fuw.edu.pl by midnight on 16 December. The applicants are encouraged to arrange at least one reference letter from a senior academic to be sent **by the referee** directly to the above e-mail address before the application deadline. You may be requested to provide originals of the submitted documents.

Please include an explicit consent to process your personal data for the recruitment purposes pursuant to the Personal Data Protection Act dated 29 August 1997 (Polish Journal of Laws of 2015, item 2135 as amended) in your application.