

Post-doc position in theory of free-space secure quantum communication

Sat, 2018-08-04 11:06 - [Vladyslav Usenko](#) [1] **At:** Palacky University Olomouc

Deadline: 15 September, 2018

Location

Palacky University Olomouc Czech Republic

49° 35' 37.6008" N, 17° 15' 3.1644" E

Palacky University in Olomouc is announcing the opening of a 2-year position for a post-doctoral researcher in the field of theory of quantum communication with application to satellite links, within a project funded by the European Space Agency. The research will be primarily focused on quantum key distribution with faint laser pulses and single photon detectors and will include international experimental-theoretical collaboration.

The applicants should provide the following documents:

- Structured curriculum vitae;
- List of publications;
- Copy of a Ph.D. diploma;
- Motivation letter specifying the research interests;
- Recommendation letter from the Ph.D. supervisor.

Applicants are expected to possess a Ph.D. degree in a relevant field of study, have previous experience in the development and analysis of quantum communication protocols (focus on atmospheric propagation will be a plus) and be capable to efficiently communicate in English.

Documents should be sent by email to Dr. Vladyslav Usenko ([usenko \[at\] optics \[dot\] upol \[dot\] cz](mailto:usenko[at]optics[dot]upol[dot]cz)) until September 15, 2018.

Conditions:

- Post-doctoral position is offered for the period of two years starting from October 2018.
- The gross pay for the post-doctoral position is equivalent to ca. 2 000 Euro per month.
- Personal interviews of selected applicants will take place in September 2018.

The successful candidate will join the dynamic international team at the Department of Optics (<http://optics.upol.cz> [2]).

- [Postdoc](#) [3]

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