

Postdoc in Quantum Information

Mon, 2016-09-12 19:25 - [admin](#) [1] **At:** Masaryk University Brno, Czech Republic
Deadline: 31 October, 2016

Location

Masaryk University Brno Czech Republic
49° 11' 42.216" N, 16° 36' 24.6132" E

Postdoc in Quantum Information

Brno, Czech Republic

Quantum Information Group, Masaryk University, Czech Republic (QICZ) invites applications for 2 post-doctoral positions in theoretical quantum information theory. The positions are awarded for one year with an extension to the second year after a review. Gross salary is 50,000 CZK (Net salary ~37,000 CZK) per month which, with an optional 10% bonus, sums to more than 24,000 EUR per year. Additional funds of 4,000 EUR per year will be available for travel and material expenses. Expected start date of the contract is January 1, 2017, but a later start date may be negotiated.

Deadline for application: October 31, 2016.

Further details for application can be found at
http://www.muni.cz/general/employment_offers/32687v [2]

Successful candidates will join the research group led by Assoc. Prof. RNDr. Jan Bouda, Ph.D.

Applicants should have earned a PhD in physics, computer science, mathematics, or a related field, have demonstrated/interested in the following aspects of quantum information theory:

- Quantum Shannon theory - channel capacity
- Rényi entropies and non-i.i.d. in general.
- Randomness - extraction, applications, unitary k-designs.
- Cryptography - mainly security of cryptographic protocols and primitives in connection with randomness.

We are also interested in quantum cryptography, communication, and information theory in general. More information regarding the group can be found at <https://qicz.fi.muni.cz/> [3].

Applicants are strongly encouraged to contact Jan Bouda at `bouda [at] fi [dot] muni [dot] cz` before making the formal application to discuss the proposed project and the application process. Feel free to contact the above for informal inquiries.

Details about the life and prices in Brno can be found at
http://www.fi.muni.cz/~xbouda1/living_in_Brno.pdf [4].

- [Postdoc](#) [5]

Source URL: <http://qurope.eu/db/jobs/postdoc-quantum-information>

Links:

- [1] <http://qurope.eu/users/webadmin>
- [2] http://www.muni.cz/general/employment_offers/32687v
- [3] <https://qicz.fi.muni.cz/>
- [4] http://www.fi.muni.cz/~xbouda1/living_in_Brno.pdf
- [5] <http://qurope.eu/db/jobs/type/postdoc>