

Director
of **IT4Innovations National Supercomputing Center**
VSB - Technical University of Ostrava
announces a selection procedure for a post of
Senior Quantum Computing Operations Specialist
for Supercomputing Services Department

The position is suitable for both women and men.

IT4Innovations National Supercomputing Center is a leading research, development, and innovation centre active in the fields of High-Performance Computing (HPC), Data Analytics (HPDA), Artificial Intelligence (AI), and Quantum Computing (QC) and their applications. We have strong international links and employ more than 150 scientific, technical, and administrative staff. At present, IT4Innovations is running two supercomputers: Karolina (15.7 PFlop/s, installed in the summer of 2021), Barbora (849 TFlop/s, installed in the autumn of 2019), and is a member of the consortium operating LUMI, one of Europe's most powerful supercomputers. The VLQ quantum computer will be installed at IT4Innovations in 2025. For more details, see www.it4i.eu.

We seek candidates for the position Senior HPC Specialist: **Senior Quantum Computing Operations Specialist** for the VLQ quantum computer operations.

Activity description:

- system management and operations of the VLQ quantum computer,
- participation in quantum computing related international research projects,
- participation in training and dissemination activities related to quantum computing.

Full time equivalent: 1,0

Type of job contract: fixed-term employment limited to 3 years, with planned prolongation

Expected start of employment: 1. 7. 2025 or as agreed

We require:

- university degree in natural sciences or engineering,
- basic knowledge of OS Linux,
- basic knowledge of programming/scripting (Python, C/C++, Bash),
- willingness and ability to learn and explore,
- English language.

Skills considered an advantage:

- PhD or other degree in quantum technologies or related fields,
- experience in experimental research, specifically in operation of experimental research devices,
- experience in quantum circuit programming (e.g. Qiskit),
- experience in handling Low pressure/Vacuum equipment or Microwave electronics.

We offer:

- work on state-of-the-art technology in international team, strong expertise and experience growth,
- independent, autonomous work in prestigious and stable research organization and modern environment,
- salary evaluation according to the candidate's experience,
- possibility of further education,
- work place: IT4Innovations National Supercomputing Centre, Studentská 6231/1B, 708 00 Ostrava-Poruba, Czech Republic, N 49°50.25787', E 18°9.36573',
- 6 weeks of holidays,
- flexible working hours,
- university kindergarten,
- contribution to pension plan,
- company catering in the canteen,
- MultiSport card,
- other employee benefits according to the employer's offer.

Your personal data will be processed to the extent necessary for the implementation of the selection procedure in accordance with EU Regulation 2016/679.

<https://www.vsb.cz/export/sites/vsb/en/.content/files/Informace-pro-uchazece-o-zamestnani-AJ.pdf>

Send applications accompanied by a CV and motivation letter to the email address:

petra.brozova@vsb.cz until **30. 6. 2025**.

In the subject of the email, please state "Open Call for the position of the Senior Quantum Computing Operations Specialist".