

Director  
of **IT4Innovations National Supercomputing Center**  
VSb - Technical University of Ostrava  
announces a selection procedure for a post of  
**Research Assistant 1**  
**Modelling for Nanotechnologies Lab**

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 180 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. IT4Innovations also operates the first Czech quantum computer named VLQ. For more details, see [www.it4i.eu](http://www.it4i.eu).

**Activity description:**

- applying computer modeling methods for atomistic dynamics and spin dynamics,
- developing of the code for spin-dependent properties,
- collaboration with other partners.

<b>Full time equivalent:</b>	full-time employment
<b>Type of job contract:</b>	fixed-term employment
<b>Expected start of employment:</b>	1. 9. 2025 or as agreed

**We require:**

- minimum Bachelor's degree,
- basic knowledge in physical chemistry, quantum chemistry, solid state physics and molecular modeling, UNIX-based/related systems, magnetism
- active knowledge of the English language,
- experience in atomistic simulations, code LAMMPS.

**We offer:**

- work in a promising organization,
- salary evaluation according project conditions and candidate's experience,
- modern laboratory and classroom facilities,
- opportunity to participate in excellent research team,
- possibility of further education,
- 6 weeks of holidays,

- flexible working hours,
- university kindergarten,
- contribution option 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>

The application form substantiated with a letter of motivation and CV should be sent electronically to the email address: [petra.brozova@vsb.cz](mailto:petra.brozova@vsb.cz) until **7. 7. 2025**.

In the subject of the email, please state "Open Call for the position of the Research assistant 1".