

**Director  
of IT4Innovations National Supercomputing Center  
VSb - Technical University of Ostrava  
announces a selection procedure for a post of  
Postdoc - AI research  
for Advances Data Analysis and Simulations Laboratory**

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 200 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:**

We are extending our team with a new position to drive research in the field of AI/ML. Our lab is currently working on multiple topics in AI including image and time series analysis, LLMs, agentic modelling, RAGs, MCPs, AI quality assurance, MLOps. Complementary to research activities we are providing support services for companies which want to implement AI solutions.

- development of new AI enabled tools,
- optimization of training and inference pipelines for AI models,
- support companies with their AI needs through AI factories,
- collaborate with a well established group of developers and researchers creating highly innovative platforms that make life easier for other scientists as well as industry.

|                                      |                         |
|--------------------------------------|-------------------------|
| <b>Full time equivalent:</b>         | 1,0                     |
| <b>Type of job contract:</b>         | fixed-term employment   |
| <b>Expected start of employment:</b> | 1. 1. 2026 or as agreed |
| <b>Number of positions:</b>          | 2                       |

**We require:**

- minimum Ph.D. in computer science,
- required experience:
  - o knowledge of AI libraries such as PyTorch, LangChain, YOLO, Whisper,
  - o proven scientific record in AI modelling,
  - o broad knowledge of models and trends in the AI community,
  - o at least basic experience working with CLI,
- experience with the following technologies is an advantage:
  - o experience with High Performance Computing systems,
  - o experience with MLOps tools such as MLFlow or DVC,

- will to work in an international environment which requires good communication skills in the English language both spoken and written,
- ability to learn new technologies and to work in a dynamic research environment.

**We offer:**

- work in a friendly team fostering open and efficient communication,
- salary evaluation according to the candidate's experience,
- modern laboratory and classroom facilities,
- opportunity to participate in excellent research,
- possibility of further education,
- 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 (shopping, R&R).

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](mailto:petra.brozova@vsb.cz) until **30. 11. 2025**.

In the subject of the email, please state "Open Call for the position of the PostDoc - AI research for the Advanced Data Analysis and Simulations Laboratory".