

Postdoctoral Research Positions

Department of Distributed and Dependable Systems

Faculty of Mathematics and Physics, Charles University (Prague, Czech Republic)

The Department of Distributed and Dependable Systems (D3S), Faculty of Mathematics and Physics, Charles University, invites applications for a postdoctoral research positions in the area of software architectures for dependable and trustworthy systems with strong focus on utilizing and applying AI.

Research focus

The successful candidate will conduct research in one or more of the following areas:

- AI-assisted design of distributed and cyber-physical systems
- Dependable and resilient AI-based system architectures
- Trustworthy and explainable AI for embedded or resource-constrained systems
- Data collection, processing, minimisation, anonymisation, and benchmarking for AI-enabled systems
- Edge-AI and AI in low-power embedded computing
- Verification, validation, and evaluation of complex system stacks

The positions offers the opportunity to work in a strong international research environment, collaborate with leading European academic and industrial partners, and contribute to high-impact scientific publications.

Requirements

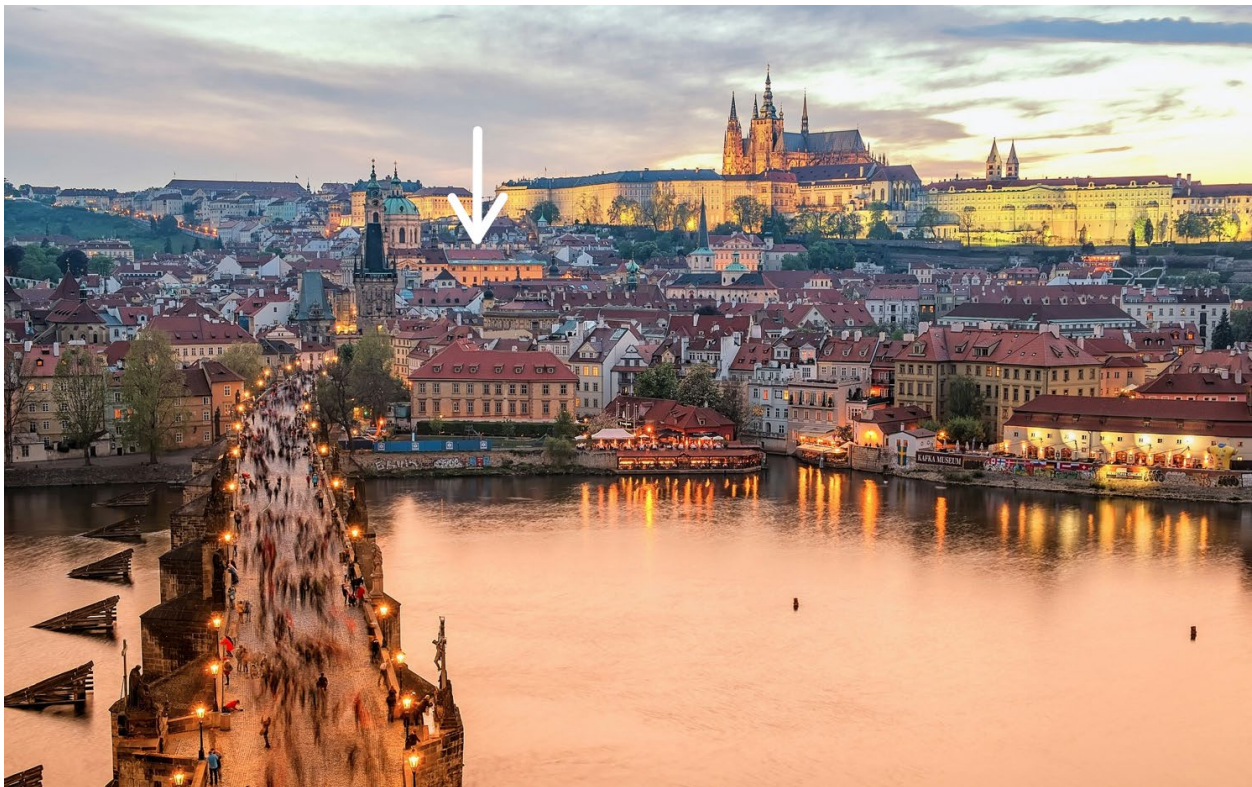
- PhD (completed or close to completion) in Computer Science, or a closely related field
- Strong background in at least one of the research areas listed above
- Proven ability to publish in high-quality international conferences and journals
- Experience with experimental research, prototyping, or system-level evaluation is an advantage
- Good communication skills and the ability to work in an international research team

What we offer

- Full-time postdoctoral positions at a leading European research university
- Competitive salary – approx. 3100 EUR gross salary + 400 EUR mobility allowance + 200 EUR family allowance when applied and funded through the CHARLESTON Programme; or approx. 2900EUR gross salary when funded through departmental projects (see below).
- Lower living costs than in other major European capitals
- Access to excellent research infrastructure and computational resources
- Support for publishing, travel, and participation in international conferences
- Work and networking in international project consortia
- Opportunity to co-supervise BSc, MSc, and PhD students
- Potential tenure-track positions after the postdoc

Work location

Our building is located in the historical city center of Prague (approx. 5 min. walk from the Charles Bridge).



Funding Tiers

We currently offer two possible funding tiers: (1) through CHARLESTON MSCA Cofund, (2) through local sources and departmental projects. Funding through CHARLESTON is more generous, though more competitive as the program is university-wide and includes candidates applying to different faculties. Funding through the local sources and departmental projects is more flexible with respect to the date of the application.

We prefer that candidates first apply through CHARLESTON. Candidates who are not selected or do not qualify for the CHARLESTON program will be considered for positions funded through departmental projects and other funding sources.

Funding via CHARLESTON MSCA Cofund

Please follow the instructions here: <https://cuni.cz/UKEN-2187.html>

Application deadline **June 1st, 2026, 2 PM (Prague time)**

Please note that the CHARLESTON program requires the candidate to contact the potential supervisor and to come up with a research proposal. This needs to be aligned with our projects and research directions. Please **contact us in advance** so that there is enough time to properly shape your research proposal.

Funding through local sources and departmental projects

Applications must include

- a CV (including the publication list),
- a brief research statement (1–2 pages),
- contact information of at least two references

The application deadline is flexible, but applications by August 31st are preferred. Applications after this date will be still considered until positions are filled. The expected start is Autumn 2026.

Contact

Inquiries can be sent to tomas.bures@matfyz.cuni.cz, petr.hnetynka@matfyz.cuni.cz