

The Dean of the Faculty of Architecture of Brno University of Technology (FA BUT) has announced an open call for the position of:

Postdoc Researcher: Advanced Design and Fabrication Strategies in Architecture

- **FA BUT Brno**

Brno University of Technology (BUT) is the largest technical university in the Czech Republic specialising in science and technology. Our university is a place that promotes independent thinking and an environment that inspires excellence. Located in the heart of Europe, yet forging connections all over the world, we work together to develop solutions for the actual global challenges.

Faculty of Architecture (FA BUT) is one of the eight faculties of BUT. Academic staff of the Faculty of Architecture has the unique and wide experience in field of architecture design and theory, urban planning and heritage preservation. The researchers deal with various scientific projects in different fields that covers many of topics.

- **Job description**

The position is devoted to the study of topic related to theme Advanced Design and Fabrication Strategies in Architecture. The main topics that would fill this theme (but not limited to) are:

- Digital fabrication and robotics
- Agent-based modelling and machine learning
- Structure optimization and material-based design
- Bionics and living material
- Form follows energy design
- Smart cities and city modelling

The main scope of work will be cooperation in research and prepare one workshop/conference/seminar for students or academics during his/her internship.

The position will be supervised by Dr. Martin Kaftan, Department of Experimental design at FA BUT. The earliest starting date is March 1st, 2023. The position is developed for the period of **4 months for 1.0 FTE (40 hours a week)** for project CZ.02.2.69/0.0/0.0/18_053/0016962 and can be extended in case of successful collaboration. The selected applicant will be provided with all faculty facilities: studios, departments, workshops, library, and all available technologies and facilities at the faculty.

- **Your profile**

The successful applicant should be maximum 7 years since obtaining PhD and have research expertise in one or more of the mentioned topics. The applicant has to be a researcher who has worked outside the Czech Republic for at least 2 full years during the last 3 years (as of the date of starting the mobility) in research for at least 0.5 FTE or was a PhD. student abroad (citizens of the Czech Republic are not excluded). Demonstrated dissemination of the candidate's work in the form of publications is also expected. Candidates should speak and write English proficiently, and above all, candidates should be enthusiastic

about learning new research methods.

We expect the successful candidate having good interpersonal skills, the ability to thrive in a diverse, multidisciplinary environment, and the ability to present work at international conferences.

- **Interested?**

We look forward to receiving your online application including the following documents: a letter of motivation (cover letter) including a research proposal for your position at FA BUT, related needed equipment and proposal to organize seminar/workshop/conference at FA BUT during his/her internship, a CV, electronic copies of your academic diplomas and certificates, overview of publication activities in past three years. Please note that we exclusively accept applications submitted via email bednarova@vutbr.cz. Applications submitted via postal services will not be considered. **Application deadline is 14. 12. 2022.**

For further information about the Department of Experimental design at FA BUT, please visit our website: www.fa.vutbr.cz. Questions regarding the position should be directed to Dr. Martin Kaftan via kaftan@vutbr.cz (no application submission).