Robotics - design, modeling and control: Tenure track position

The Department of Cybernetics (https://cyber.felk.cvut.cz/), Faculty of Electrical Engineering, Czech Technical University in Prague, is opening a tenure-track position in robotics. We invite applications from outstanding candidates that would further widen and strengthen the excellent research and teaching environment at the Department.

About the Department:
The Department of Cybernetics has a strong track record in machine perception and computer vision. More recently, there has been substantial development in robotics, with groups focusing on search and rescue robotics (https://cyber.felk.cvut.cz/vras), aerial robotics and swarms of drones (http://mrs.felk.cvut.cz) and humanoid robotics (https://cyber.felk.cvut.cz/humanoids). The groups, together with roboticists from the Department of Computer science, form the Center for Robotics and Autonomous Systems (https://robotics.fel.cvut.cz/cras). The robotics teams have recently succeeded in numerous competitions: CTU team ranked 3rd overall and 1st among self-funded teams in Tunnel Circuit round (2019) and the Urban Circuit (2020) of the DARPA SubTerranean challenge; the “drone team” won the 1st place in Grand Challenge, 1st place in Challenge 2, and 2nd place in Challenge 1 of the Mohamed Bin Zayed International Robotics Challenge 2020.

Hardware infrastructure at the Department includes wheeled, tracked, and legged robots for search and rescue operation, industrial as well as collaborative or lightweight manipulators (KUKA LBR iiwa, UR10e with Airskin, Kinova Gen3), flying robots - fleets of UAVs, and humanoid robots (2x Nao, iCub - in production). The Department has access to a high-performance computational cluster dedicated to the artificial intelligence research and developments using traditional multi-CPU systems, but also GPUs.

Professional support is provided by the administration and project office with long experience of managing international projects.

There is currently a highly dynamic research environment in Prague beyond the Department, as witnessed by for example the Research Center For Informatics (http://rci.cvut.cz) or Prague AI (https://prg.ai/en).

Czech Technical University in Prague received the EU HR Award, a commitment to open, transparent and merit-based recruitment of researchers and to equal opportunity policies.

What we expect:
We are looking for a researcher with expertise in robotics, preferably in the domain of robot mechatronics design, robot control and modeling. The candidate should be visible at leading robotics conferences and journals and have experience in real (beyond simulation) robotics.
We seek a candidate who will complement our current research expertise at the Department.
See the robotics groups profiles, [http://cyber.felk.cvut.cz/vras](http://cyber.felk.cvut.cz/vras),

The candidate is expected to collaborate with all robotics groups at the Department. In the long run, the candidate should establish her own research group. The candidate is also expected to teach within Cybernetics and Robotics ([https://kyr.fel.cvut.cz/en](https://kyr.fel.cvut.cz/en)) and/or Open Informatics ([https://oi.fel.cvut.cz/en](https://oi.fel.cvut.cz/en)) study programmes.

**What we offer:**
A starting package for three years that includes full funding of the candidate, two PhD students and an appropriate share of administrative support. After three years, the candidate will be evaluated with the possibility of extending the contract or transforming it to a tenured position.

**How to apply.** The application should include:

- Motivation letter (max. 2 pages)
- CV (including 3 reference persons)
- 2 Letters of recommendation (can be from the reference persons above)

Please send the applications or inquiries to Kateřina Dřímalová ([drimakat@fel.cvut.cz](mailto:drimakat@fel.cvut.cz)) until January 31, 2021 with “tenure-track application robotics” in the subject.