Postdoc in miniaturized robotics and micromanipulation at Robotic Instruments Group
Aalto University School of Electrical Engineering

Job Title: Postdoc in miniaturized robotics and micromanipulation at Robotic Instruments Group
Department: Department of Electrical Engineering and Automation
Institution: Aalto University School of Electrical Engineering
Helsinki, Finland

Date Posted: Jun. 30, 2020
Application Deadline: Jul. 31, 2020
Position Start Date: Available immediately
Job Categories: Post-Doc
Academic Field(s): Robotics, Mechatronics, Electrical and/or Electronics, Engineering - Other


Job Description
Department of Electrical Engineering and Automation is a part of Aalto University School of Electrical Engineering. The position on intelligent robotic instruments is opened for Robotic Instruments group (http://www.aalto.fi/robotinst) at the department.
We are looking for a postdoc in miniaturized robotics and micromanipulation. The candidate is expected to conduct research in miniaturized robotics related to current activity of the group, e.g. acoustic manipulation, magnetic micromanipulation, micro- and nano mechanical characterization, manipulation of soft matters and soft robotics. The candidate will work in a highly international, dynamic, and pioneering research group, including multidisciplinary collaboration with researchers/professors in different departments of Aalto University as well as in other universities and internationally. The position is immediately available. The salary is based on the university salary scheme.

Requirements and details

As a successful applicant, you should be highly motivated in miniaturized robotics research and have a background in one or several of the related fields: robotics and automation, applied physics, automation software, machine learning, mechatronics, microsystems, soft matter, wetting, or related fields. Related experience of the research group’s active fields is appreciated. We expect the applicant is eager to work on either or both physical and mechatronics aspects and/or software and algorithm aspects of miniaturized robotics and autonomous systems. The applicant is expected to be innovative, thinking out-of-box, multi-disciplinary, and hands-on. Experiences in physical modelling are appreciated.

The applicant should have or will soon have a doctoral degree. The actual research topic of the position will be specified based on the mutual interests of both the research group and the candidate. The candidate is also encouraged to structure the synergies between one’s expertise and the group’s activity and propose a meaningful research topic in the cover letter. The position is immediately available. The salary will be in the range of 3600-3800 Euro/month depending on merits.

Apply now

Please send your application as a single PDF file at earliest convenience or by Sunday 31.07.2020 through the E-recruitment link.
Application material should include (all documents in English):
Letter of motivation / research ideas (about 1 page, max. 2 pages)
CV and publication list
Degree certificate(s) and/or expected graduation date
Contact details of three referees
All applications should be submitted using the online application system of Aalto University. Email applications will not be considered.
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 Further information

For further information, please contact Professor Quan Zhou, quan.zhou@aalto.fi and in recruitment process related questions please contact HR Coordinator Jaana Hänninen, jaana.hanninen@aalto.fi. Aalto University is a community of bold thinkers where science and art meet technology and business. We are committed to identifying and solving grand societal challenges and building an innovative future. Aalto University has six schools with nearly 11 000 students and nearly 400 professors. Our campus is located in Espoo, Finland.

Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

Contact

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