IROS 2020 Workshop

Application-Driven Soft Robotic Systems: Translational Challenges

Video presentation of:

Professor Mirko Kovac
Director of the Aerial Robotics Laboratory
Imperial College London

Presentation Title
TBC

Presentation Abstract
TBC

Biography

Prof. Mirko Kovac is Director of the Aerial Robotics Laboratory at Imperial College London and the Head of the Materials and Technology Centre of Robotics at the Empa Material Science Institute in Switzerland. His research focusses on the development of novel, biologically inspired flying robots for distributed sensing in air and water and on autonomous robotic construction for digital infrastructure systems. Prof. Kovac's particular specialisation is in robot design, fluid-structure interaction and multi-modal robot mobility. He is internationally known as an emerging leader in bio-inspired aerial robotics. He is winner of several awards and the author of over 50 articles on mobile robotics that have been published in major journals, including Science, IEEE Transactions and Science Robotics. Prof. Kovac regularly advises industry, investment funds and government on robotic research strategy is holder of the prestigious Royal Society Wolfson Fellowship

Before his appointment in London, he was post-doctoral researcher at the Harvard Microrobotics Laboratory as part of the Wyss Institute for Biologically Inspired Engineering at Harvard University in Cambridge, USA. He obtained his PhD with the Laboratory of Intelligent Systems at the Swiss Federal Institute of Technology in Lausanne (EPFL). He received his M.S. degree in Mechanical Engineering from the Swiss Federal Institute of Technology in Zurich (ETHZ) in 2005. During his studies he was research associate with the University of California in Berkeley USA, RIETER Automotive Switzerland, the WARTSILA Diesel Technology Division in Switzerland, and CISERV in Singapore.

Since 2006, he has presented his work at numerous international conferences and has won several best paper and best presentation awards. He has also delivered and been invited to more than 60 keynote lectures at research institutions world-wide.

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