Workshop on Robotic Manipulation of Deformable Objects (ROMADO)

2020 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)

-- Invited talk 3 --

Title: On feedback features for shape control of deformable objects

Speaker: David Navarro-Alarcon

Bio: David Navarro-Alarcon is an Assistant Professor of Robotics at the Department of Mechanical Engineering of The Hong Kong Polytechnic University, and the Principal Investigator of the Robotics and Machine Intelligence Laboratory. Before joining PolyU, he worked at CUHK from February 2014 to June 2017, first as a Postdoctoral Fellow in soft object manipulation, and then as a Research Assistant Professor at the T Stone Robotics Institute. He received his PhD degree in mechanical and automation engineering from CUHK in January 2014. His research interests are mostly in the area of robotics, machine intelligence, adaptive systems, and control engineering. His work has been published in the top academic journals on robotics such as the International Journal of Robotics Research (IJRR) and the IEEE Transactions on Robotics (T-RO). He has participated in several ITF, RGC, and industry-sponsored robotics projects. He is an Associate Editor of the journal Frontiers in Robotics and AI, Specialty Section on Soft Robotics, Associate Editor of the IEEE Int. Conf. Robotics and Automation 2019, Guest Editor of the Journal of Robotics and Autonomous Systems, Organiser of the IROS 2018 Special Session on Methods and Algorithms for Automatic Manipulation of Deformable Objects, and Co-Organiser of the IROS Workshop Series on "Multimodal Sensor-Based Robot Control". He is a Member of IEEE, the Robotics and Automation Society, and the Computational Intelligence Society.

Speaker Website:

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Workshop Website:

http://commandia.unizar.es/irosworkshop2020/

Conference Website:

https://www.iros2020.org/