

Workshop on Robotic Manipulation of Deformable Objects (ROMADO)

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

-- Invited talk 6 --

Title: Multi-robot motion planning and coordination for object transport
in dynamic environments

Speaker: Javier Alonso-Mora

Bio: Dr. Javier Alonso-Mora is an Associate Professor at the Cognitive Robotics department of the Delft University of Technology, where he leads the Autonomous Multi-robots Laboratory. He is a Principal Investigator at the Amsterdam Institute for Advanced Metropolitan Solutions (AMS) and co-founder of Routable AI. He is actively involved in the Delft robotics ecosystem, including the Robotics Institute, the Transportation Institute and Robovalley. Before joining TU Delft, Dr. Alonso-Mora was a Postdoctoral Associate at the Computer Science and Artificial Intelligence Lab (CSAIL) of the Massachusetts Institute of Technology (MIT). He received his Ph.D. degree in robotics from ETH Zurich, where he worked in the Autonomous Systems Lab, and in partnership with Disney Research Zurich. Dr. Alonso-Mora holds a Diploma in Engineering and a Diploma in Mathematics from the Technical University of Barcelona (UPC), where he was part of the Interdisciplinary Higher Education Centre (CFIS) and the Robotics Institute (IRI). His main research interest is in navigation, motion planning and control of autonomous mobile robots, with a special emphasis on multi-robot systems, on-demand transportation and robots that interact with other robots and humans in dynamic and uncertain environments. He has published over 60 papers in premier venues and his work has appeared in major media outlets. He is the recipient of multiple prizes and grants, including the ICRA Best Paper Award on Multi-robot Systems (2019), an Amazon Research Award (2019) and a talent scheme VENI award from the Netherlands Organisation for Scientific Research (2017).

Speaker Website: <https://www.tudelft.nl/staff/j.alonsomora/>

Workshop Website: <http://commandia.unizar.es/irosworkshop2020/>

Conference Website: <https://www.iros2020.org/>