

Workshop on Robotic Manipulation of Deformable Objects (ROMADO)

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

-- Invited talk 8 --

Title: From human haptic illusions on soft objects to robotic object recognition
and slip detection

Speaker: Zhanat Kappassov

Bio: Zhanat Kappassov is an Assistant Professor in the Department of Robotics and Mechatronics at Nazarbayev University. He graduated as Engineer in Radioelectronics from Tomsk State University of Control Systems and Radioelectronics (TUSUR). He obtained a PhD degree in Robotics from Paris 6 University (UPMC) in 2016. He received a Best PhD Thesis award from GDR Robotique France (2nd place). He was a visiting researcher at SIGMA Clermont / Institut Pascal and at the Key State Institute of Robotics. He founded and is the head of the Tactile Robotics Laboratory at Nazarbayev University. His research work is focused on investigation and development of new control algorithms for dexterous autonomous manipulation with robot hands equipped with tactile sensing modalities. Topics of current interest in his research include soft object recognition, tactile servoing of flexible objects, and slip detection.

Speaker Website: <https://nu.edu.kz/faculty/zhanat-kappassov>

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

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