

## Workshop on Robotic Manipulation of Deformable Objects (ROMADO)

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

-- Invited talk 2 --

**Title:** Deformable object interaction and contact-rich tasks

**Speaker:** Danica Kragic and Ioanna Mitsioni

**Bio:** Danica Kragic is a Professor at the School of Computer Science and Communication at the Royal Institute of Technology, KTH. She received MSc in Mechanical Engineering from the Technical University of Rijeka, Croatia in 1995 and PhD in Computer Science from KTH in 2001. She has been a visiting researcher at Columbia University, Johns Hopkins University and INRIA Rennes. She is the Director of the Centre for Autonomous Systems. Danica received the 2007 IEEE Robotics and Automation Society Early Academic Career Award. She is a member of the Royal Swedish Academy of Sciences, Royal Swedish Academy of Engineering Sciences and Young Academy of Sweden. She holds a Honorary Doctorate from the Lappeenranta University of Technology. She chaired IEEE RAS Technical Committee on Computer and Robot Vision and served as an IEEE RAS AdCom member. Her research is in the area of robotics, computer vision and machine learning. In 2012, she received an ERC Starting Grant. Her research is supported by the EU, Knut and Alice Wallenberg Foundation, Swedish Foundation for Strategic Research and Swedish Research Council. She is an IEEE Fellow.

Ioanna Mitsioni is a PhD student in the division of Robotics, Perception and Learning at KTH, under the supervision of Danica Kragic and the co-supervision of Yiannis Karayiannidis. She received her Diploma of Electrical and Computer Engineering from the Aristotle University of Thessaloniki. Currently, she is investigating how Deep Learning can enhance more traditional Interaction Control approaches in contact-rich manipulation tasks.

**Speakers Websites:** <https://www.csc.kth.se/~danik/>

<https://www.kth.se/profile/mitsioni>

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

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