

# Workshop on Robotic Manipulation of Deformable Objects (ROMADO)

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

-- Invited talk 7 --

**Title:** Multimodal planning and control for dexterous manipulation  
of challenging objects

**Speaker:** Véronique Perdereau

**Bio:** Véronique Perdereau is a Professor of Robotics at the Faculty of Science and Engineering at Sorbonne University. She has been responsible for several master specialties from 2004 to 2017 and on the academic commission of the Sorbonne University Institute of Health Engineering from 2014 to 2017. She has been heavily invested in the EIT KIC Health since 2015, where she is director of education for France and head of masters and doctorates for Europe. She conducts research in robotics at the Institute of Intelligent Systems and Robotics (ISIR, a shared Sorbonne University/CNRS institute). She coordinated the European project HANDLE from 2009 to 2013 for which she received the Stars of Europe Award in 2014. Her research interests include hybrid force/position control of robot manipulators, multi-robot cooperation, modelling and control of a multi-fingered robotic hand, planning and control of in-hand dexterous manipulation, grasping force optimization and grasping strategies for unknown objects.

**Speaker Website:**

[http://www.isir.upmc.fr/index.php?op=view\\_profil&lang=en&id=185](http://www.isir.upmc.fr/index.php?op=view_profil&lang=en&id=185)

**Workshop Website:**

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

**Conference Website:**

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