

States of Flux - Soft Robotics in Arts and Engineering

Thursday (1st of December), 17:00 to 20:00

17:00 – Presentations, People’s Palace 2, QMUL

- Introduction by Kaspar Althoefer (QMUL)
- Julie Freeman (QMUL)– *Soft Robots as a means to represent Biological Behaviour*
- Caroline Yan Zhang (Royal College of Arts) – *Sentimental Robots: Explore Soft Robotics as emotive agents*
- Fumiya Iida (QMUL)– *Self Assembly in Soft Robots*
- Kaspar Althoefer (QMUL)– *Stiffness-Controllable Structures: From Biology to a new Paradigm in Soft Robotics*
- Thrishantha Nanayakkara (KCL)– *Computational Morphology in Soft Robotics*
- Lorenzo Jamone – *Soft tactile sensors for dexterous robotic manipulation*
- Mini Saaj (QMUL) – *How to control Soft and Flexible Robots*

19:30 Discussion and demonstration in the ARQlab, refreshments

Friday (2nd of December), 15:00 to 19:00:

15:00 - Presentations, People’s Palace 2, QMUL

- Introduction by Kaspar Althoefer (QMUL)
- Ruairi Glynn (UCL)– *Soft Robotics in Arts, Design and Architecture*
- Agostino Stilli (KCL)– *The Variable Stiffness Link: A Modern Look at Robotic Manipulators*
- Ataka Ahmad (KCL)– *Motion Planning for Soft Robots in Unstructured Environments*
- Mark Midownik (UCL) - *Wearable Assistive Materials, via Video Link at 4pm*
- Jelizaveta Konstantinova (QMUL) – *Tool and tissue interaction during palpation*
- Ettore Barbieri (QMUL)– *Modelling Softness*
- Ildar Fakhastinov (QMUL) – *Motion Analysis of Humans*
- Hongbin Liu (KCL) – *Sensing and Perceiving the tactile Environment in Soft Robots*
- Ali Shafti (KCL)– *Wearable Technologies*
- Helge Wurdemann (UCL)– *Soft Robotics Concepts for Haptics*

17:30 Discussion and demonstration in the ARQlab, refreshments