

| <b>RSS2014 Workshop on “Advances on Soft Robotics” - July 13, 2014</b> |   |  |
|--|---|--|
| <b>Time</b>  | <b>Talk</b>   | <b>Speaker</b>   |
| 8.30 – 8.35  | Opening   | <i>Laura Margheri</i> , The BioRobotics Institute, Scuola Superiore Sant’Anna<br>RoboSoft Project Management |
| 8.35 – 8.50  | RoboSoft:<br>A Coordination Action for Soft Robotics  |  |
| <i>Invited talks</i>   |   |  |
| 8.50 – 9.10  | Soft Robotics and Integrated Soft Systems   | <i>Adam Stokes</i> , Edinburgh University  |
| 9.10 – 9.30  | Soft-Matter Electronics, Multifunctional Materials, and Fabrication Methods for Soft Robots   | <i>Carmel Majidi</i> , Carnegie Mellon University  |
| <i>Contribution papers</i>   |   |  |
| 9.30 – 9.40  | Shared Design Tools to Support Research and Development in Soft Robotics                      | <i>Conor Walsh</i> , Harvard Biodesign Lab   |
| 9.40 – 9.50  | Experimental Characterization of a 2-DOF Soft Robotic Platform for Architectural Applications | <i>Bratislav Svetozarevic</i> , ETH Zurich   |
| 9.50 – 10.00   | How to Create Self-Sensing Air Muscles from Conductive Fibers                                 | <i>David Remy</i> , University of Michigan   |
| 10.00 – 10.30  | - Coffee break -  |  |
| <i>Invited talks</i>   |   |  |
| 10.30 – 10.50  | Morphological computation in soft robots by using thermoplastic materials                     | <i>Surya G. Nurzaman</i> , ETH Zurich  |
| 10.50 – 11.10  | Design, Materials, and Power Systems for Autonomous Soft Robots                               | <i>Mike Tolley</i> , Harvard Microrobotics Lab   |
| 11.10 – 11.30  | GeckoGripper: A Soft Robotic Gripper using Gecko-Inspired Elastomer Micro-Fiber Adhesives     | <i>Metin Sitti</i> , Carnegie Mellon University  |
| 11.30 – 11.50  | <i>Open discussion, Q&amp;A</i>   |  |
| 11.50 – 15.00  | - Lunch break - Final match of the FIFA World Cup -   |  |
| <i>Invited talks</i>   |   |  |
| 15.00 – 15.20  | Bio-Inspired Smart Pneumatic Artificial Muscles with Integrated Soft Artificial Skin Sensors  | <i>Yong-Lae Park</i> , Carnegie Mellon University  |
| 15.20 – 15.40  | Towards soft-smart skins: a biomimetic soft robotics approach                                 | <i>Jonathan Rossiter</i> , University of Bristol   |
| <i>Contribution papers</i>   |   |  |
| 15.40 – 15.50  | Soft Tunable Whisker-like Sensors   | <i>Pablo Valdivia y Alvarado</i> , Singapore-MIT Alliance for Research and Technology                        |
| 15.50 – 16.00  | Characterizing an elastomeric strain sensor at large strains and strain rates                 | <i>Yiğit Mengüç</i> , Harvard Microrobotics Lab  |
| 16.00 – 16.10  | Structurally Compliant Orthotics  | <i>Tim Swift</i> , Otherlab  |
| <i>Invited talks</i>   |   |  |
| 16.10 – 16.30  | Softworm robots: 3D-printed crawling machines   | <i>Barry Trimmer</i> , Tufts University  |
| 16.30 – 17.00  | - Coffee break -  |  |
| 17.00 – 17.20  | Contributions of Compliance and Shape to Locomotion and Manipulation                          | <i>Ronald Fearing</i> , University of Berkeley   |
| 17.20 – 17.50  | <i>Open discussion, Q&amp;A</i>   |  |
| 17.50 – 18.00  | <i>Closing remarks</i>  |  |