

Workshop on Unrehearsed Soft Robotics - Designlab		
Monday 15 th of May 2023		
Time	Speaker	Hands on Introduction
9:00-9:30		Registration & Opening
9:30-10:00	Ali Sadeghi	Application of Electrotheological Fluids in Soft Robotics
10:00-10:30	Majid Taghavi	Electro-Ribbon Zipping Actuators
10:30-11:00		Discussion & Coffee Break
11:00-11:30	Venkat Kajpathy Venkateswaran	Magnetic Actuation of Bio-Inspired Soft Robots
11:30-12:00	Islam Khalil	Soft Micro Bio Robots
12:00-13:00		Discussion & Lunch
13:00-16:30		Hands on Projects
16:30-17:00		Wrap Up
17:00-17:30		Group Walk in Campus Toward U-Parkhotel
17:30		Opening BBQ @ U-Parkhotel

DSRS 2023-U-Parkhotel		
Tuesday 16 th of May 2023		
Time	Speaker	Title
08:45-09:15		Registration
09:15-09:30	Herman van der Koijl	Welcome and Introduction to DSRS2023
09:30-10:30	Barbara Mazzolai	Keynote
10:30-10:45		Break
10:45-11:15	Guillermo Amador	Invertebrate Adhesion: Towards Bio-Inspired Soft Adhesives
11:15-12:00	Ebrahim Shahabi - Blind Grasping Using Sensorized Suction Cup Ratnadeep Pramank - Swimming Strategies of Bio Inspired Magnetic Soft Robots Yauheni Sirokin - Plant Inspired Environment-Controlled Swelling to Charge Driven Compliance Modulation	
12:00-12:30		Posters and Demos
12:30-13:30		Lunch
13:30-14:30		Keynote Fumiyu Iida
14:30-14:45		Break
14:45-15:15	Bas Overvelde	There's no silicon in these silicone robots!
15:15-15:30	Michał Wiertelowski	Soft Fingertips for Tactile-Driven Robotics
15:30-15:45	Joshua Dijkman	Interfacial Mechanics of Bio-Inspired Adhesives for Gripping
15:45-16:00		Break
16:00-16:30	Aimee Sakes	Soft Bio-Inspired Tissue Handling in Healthcare
16:30-17:00	Gerjan Wolterink	3D Printed Soft Sensors
17:00-17:45	Brandon Caasenbrood – Design and Control Tools for Fluidic Soft Robots Philipp Tempel – Deforming Slender Soft Bodies through Discrete Wrenches at their Extremes Aref Ghobrani – Buckling Resistance Auxetic Meta-Shells with Torsional Induced Shape Changing	
17:45-18:00		Break before bus to banquet
18:00		Conference Banquet in De Museumfabriek

DSRS 2023-U-Parkhotel		
Wednesday 17 th of May 2023		
Time	Speaker	Title
09:00-10:00	Robert Shepherd	Keynote Embracing Complexity for Enduring and Adaptive Organic Robots via Autonomous Materials
10:00-10:15		Break
10:15-10:45	Ali Sadeghi	Soft Robotics via Integrated Additive Manufacturing
10:45-11:30	Sofia Lydia Nello – Soft Fluidic Actuator Based on Magnetorheological Fluids Christian Parik – The Use of Phase Change Materials to Create Variable Stiffness Linkage Fabrics Eze Porte - Variable stiffness Meta Materials to Tune Soft Robot Material Properties	
11:30-12:00		Posters and Demos
12:00-13:00		Lunch
13:00-13:30	Femke van Beej/Mahboubh Keyvanara	Soft Robotics for Haptic Interactions
13:30-15:30		Lab Tour
15:30-15:45		Break
15:45-16:30	Aleña Le Gall – Soft Robotic Tool for Minimally Invasive Surgery Amy Winters - Multidisciplinary Material Programming for Soft Robotics Gerdienke Prange Lasonder - Using a Wearable Soft Robotic Glove as Assistive Device at Home by Patients with Reduced Hand Strength Has Effects on Unsupported Hand Function	
16:30-17:10		Discussion Panel & Award Ceremony
17:10		Drinks