

# Schedule Winterschool

## Week 1

PROPOSED TIMING	August 22, 2022	August 23, 2022	August 24, 2022	August 25, 2022	August 26, 2022
TIME	Day 1 Activities @ROBOHOUSE	Day 2 Activities (@WUR FORUM)	Day 3 Activities (@ROBOHOUSE)	Day 4 Activities (@ROBOHOUSE)	Day 5 Activities (@ROBOHOUSE)
9:00-9:30		Travel to WUR by bus <u>CONFIRMED</u>	Soft Heart Modeling Mathias Peirlink <u>CONFIRMED</u>	Soft Smart Materials & Textiles (TUD-IO) Sepideh Ghodrati <u>CONFIRMED</u>	Soft Wearable Robotics (UT) Saivimal Sridar <u>CONFIRMED</u>
9:30-10:00		Travel to WUR by bus <u>CONFIRMED</u>	Advanced 3D-printed Materials (TUD) Mohammad Mirzaali <u>CONFIRMED</u>	Untethered Soft Robotics (UT) Venkat Kalpathy <u>CONFIRMED</u>	Modeling Soft Robots (IIT) Giovanna Naselli ( <u>ONLINE</u> ) <u>CONFIRMED</u>
10:00-10:30		Travel to WUR by bus <u>CONFIRMED</u>	Self-healing Soft Robots (VUB) Seppe Terryn <u>CONFIRMED</u>	Soft Sensing (TUD) Michael Wiertelwski <u>CONFIRMED</u>	Teleoperation of Soft Robots (KUL) Emmanuel van der Poorten <u>CONFIRMED</u>
10:30-10:45		Coffee Break	Coffee Break	Coffee Break	Coffee Break
10:45-11:15		Soft Biology - Insect Adhesion (WUR) Guillermo Amador <u>CONFIRMED</u>	Fabrication of Soft Robots (TUD) Zjenja Doubrovski <u>CONFIRMED</u>	Soft Pneumatic Actuators (AMOLF) Bas Overvelde <u>CONFIRMED</u>	Soft Gripping (WUR) Ali Leylavi Shoushtari <u>CONFIRMED</u>
11:15-11:45		Soft Biology - Flying Animals (WUR) Florian Muijres <u>CONFIRMED</u>	Fabrication of Soft Robots (UT) Ali Sadeghi <u>CONFIRMED</u>	Soft Robot Locomotion (SDU) Saravana Babu <u>CONFIRMED</u>	Soft Robotics Simulation (MU/TUD) Guoxin Fang <u>CONFIRMED</u>
11:45-1:15	Lunch & Walk-in	Lunch Break	Lunch Break	Lunch Break	Lunch Break
13:15-13:45	Welcome Meeting Aimée Sakes & Rob Scharff <u>CONFIRMED</u>	Energy harvesting in plants Fabian Meder ( <u>ONLINE</u> ) <u>CONFIRMED</u>	Soft Imaging (ErasmusMC) Gijs van Soest <u>CONFIRMED</u>	Control of Soft Robots (TU/e) Irene Kuling <u>CONFIRMED</u>	Control of Soft Robots (TUD) Cosimo della Santina <u>CONFIRMED</u>
13:45-14:15	Welcome Meeting Aimée Sakes & Rob Scharff <u>CONFIRMED</u>	Soft Adhesive Surfaces (WUR) Aljoshia Filippov <u>CONFIRMED</u>	Living materials (TUD-IO) Jiwei Zhou ( <u>ONLINE</u> ) <u>CONFIRMED</u>	Bio-inspired Soft Surfaces (WUR) Joshua Dijkstra <u>CONFIRMED</u>	Topology Optimization of Soft Robots (TUD) Jun Wu <u>CONFIRMED</u>
14:15-14:30	Break	Break	Break	Break	Break
14:30-15:00	Inspirational KEYNOTE lecture Adam A. Stokes (Uni. Edinburgh) <u>CONFIRMED</u>	Walk to the Tour Starting Point	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	Walk to Delft City Centre
15:00-15:30		Tour of WUR Facilities Guillermo Amador <u>CONFIRMED</u>	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	Tour of Delft Centre by Boat <u>CONFIRMED</u>
15:30-15:45	Break	Break	Break	Break	Tour of Delft Centre by Boat <u>CONFIRMED</u>
15:45-16:15	Introduction to the Case Studies Vera & Fabian <u>CONFIRMED</u>	Tour of WUR Facilities Guillermo Amador <u>CONFIRMED</u>	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	Walk to Delft City Centre
16:15-16:45	Drinks at Robohouse <u>CONFIRMED</u>	Tour of WUR Facilities Guillermo Amador <u>CONFIRMED</u>	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	End of Week 1 Drinks @ Robohouse
16:45-17:15	Drinks at Robohouse <u>CONFIRMED</u>	Tour of WUR Facilities Guillermo Amador <u>CONFIRMED</u>	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	End of Week 1 Drinks @ Robohouse
17:15-18:00	Drinks at Robohouse <u>CONFIRMED</u>	Travel to TUD by bus	Practicum 3D-printing (TUD-IO) Rob Scharff & Jun Wu <u>CONFIRMED</u>	Practicum Silicone casting (TUD-IO) Rob Scharff <u>CONFIRMED</u>	End of Week 1 Drinks @ Robohouse

## Week 2

PROPOSED TIMING	August 29, 2022	August 30, 2022	August 31, 2022
TIME	Day 6 Activities (@ROBOHOUSE)	Day 7 Activities (@ROBOHOUSE/FESTO)	Day 8 Activities (@ROBOHOUSE/FESTO)
9:00-9:30	Bio-Inspired Soft Transport (TUD) <i>Aimée Sakes</i> <b>CONFIRMED</b>	Climbing plant inspired attachment (IIT) <i>Isabella Fiorello</i> <b>(ONLINE) CONFIRMED</b>	DEAM Start-Up Lecture <i>Jules Scheltes</i> <b>CONFIRMED</b>
9:30-10:00	Large Scale Soft Robots (TUD) <i>Jovana Jovanova</i> <b>CONFIRMED</b>	Start-Up Lecture Roliner (UK, IC) <i>Ugur Tanriverdi</i> <b>(ONLINE) CONFIRMED</b>	Philips Soft Imaging <i>Benno Hendriks</i> <b>CONFIRMED</b>
10:00-10:30	Human-Robot Interaction (TUD) <i>David Abbink</i> <b>CONFIRMED</b>	Soft McKibben Actuators (JPN, TiTech) <i>Koichi Suzumori</i> <b>(ONLINE) CONFIRMED</b>	DORC Lecture <i>Joost Vervae</i> <b>CONFIRMED</b>
10:30-10:45	Coffee Break	Coffee Break	Coffee Break
10:45-11:15	Control of Soft Robots (TUD) <i>Pablo Borja Rosales</i> <b>CONFIRMED</b>	Tour Festo Facilities <i>Jan Koudijzer</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
11:15-11:45	Soft Robotic Actuators (IC) <i>Majid Taghavi</i> <b>CONFIRMED</b>	Tour Festo Facilities <i>Jan Koudijzer</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
11:45-1:15	Lunch Break	Lunch Break	Lunch Break
13:15-13:45	Origami Engineering (IC) <i>Sebastien Callens</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
13:45-14:15	Bio-inspired Design (TUD) <i>Paul Breedveld</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
14:15-14:30	Break	Break	Break
14:30-15:00	Practicum Origami (TUD-3mE) <i>Sebastien Callens &amp; Ali Sadeghi</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
15:00-15:30	Practicum Origami (TUD-3mE) <i>Sebastien Callens &amp; Ali Sadeghi</i> <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
15:30-15:45	Break	Break	Break
15:45-16:15	Practicum Origami (TUD-3mE) <i>Sebastien Callens &amp; Ali Sadeghi</i> <b>CONFIRMED</b>	SenseGlove demo (SenseGlove) <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
16:15-16:45	Practicum Origami (TUD-3mE) <i>Sebastien Callens &amp; Ali Sadeghi</i> <b>CONFIRMED</b>	Julian Jagtenberg (SOMNOX) <b>CONFIRMED</b>	Case Study 1 & 2 <b>CONFIRMED</b>
16:45-17:15	Practicum Origami (TUD-3mE) <i>Sebastien Callens &amp; Ali Sadeghi</i> <b>CONFIRMED</b>	YES! Delft Lecture	Case Study 1 & 2 <b>CONFIRMED</b>
17:15-18:00		YES! Delft TOUR <b>CONFIRMED</b>	