



# WORKSHOP ON FUNDAMENTALS OF SMART MATERIALS AND SOFT ROBOTICS

## 20 – 23 OCTOBER 2020

TALKS  
DISCUSSIONS  
PRESENTATIONS

### 20 October 2020

#### Day 1: Fundamentals of smart materials

09:00 – 10:00	Introduction to self-healing materials	J. Brancart (VUB)
10:00 – 11:00	Intro to supramolecular self-healing polymers	T. Bosman (SUPRA)
11:00 – 11:30	Coffee/Tea Break	
11:30 – 12:30	Introduction to sensing materials	F. Clemens (EMPA)
12:30 – 13:30	Lunch Break	
13:30 – 14:30	Characterization of materials	G. Van Assche (VUB-FYSC)
14:30 – 15:30	Switchable materials	S. Schlögl (PCCL)
15:30 – 16:00	Coffee/Tea Break	
16:00 – 17:00	Research ethics	J. Pearson (VUB)
17:00 – 17:30	Soft grippers for strawberry harvesting robot	J. Anthoninssen (Octinion)

### 22 October 2020

#### Day 3: Fundamentals of Soft Robotics technologies

09:00 – 11:00	Soft Robots and Actuators	M. Cianchetti (SSSA)
11:00 – 11:30	Coffee/Tea Break	
11:30 – 12:30	Soft Sensors	F. Iida (UCAM)
12:30 – 13:30	Lunch Break	
13:30 – 15:30	Presentation Skills	P. Van Rompaey (MARCOM)
15:30 – 16:00	Coffee/Tea Break	
16:00-17:00	Introduction to SOFA	P. Ferrentino.(VUB) H. Talbot (INRA-Sofa Framework)

### 21 October 2020

#### Day 2: Valorisation

11:00 – 11:30	Smart and Responsive Textiles at Centexbel	P. Paelinck (Centexbel)
11:30 – 12:00		D. Haefliger (Sateco XT)
12:00 – 12:30	Formulations of Complex Materials :From Science to Applied Technology	F. Ciardelli (SPIN-PET)
12:30 – 13:30	Lunch Break	
13:30 – 14:30	Processing techniques	E. Roels (VUB)
14:30 – 15:00	Coffee/Tea Break	
15:00 – 16:00	Intellectual property	H. Loosvelt (Technology transfer office VUB)
16:00 – 17:00	Ethical Writing	M. Kruusmaa (TalTech)

### 23 October 2020

#### Day 4: Fundamentals of smart materials in Soft Robotics

09:00 – 10:00	Self-regulating materials for soft robots	B. Baytekin (BUCEM)
10:00 – 11:00	Self-healing soft robotics	S. Terryn (VUB-R&MM)
11:00 – 11:30	Coffee/Tea Break	
11:30 – 12:30	Control/AI	M. Kruusmaa (TalTech)

Join on ZOOM  
Webinar ID and Passcode  
by invitation only



REGISTRATION WEB-SITE:

<http://www.smartitn.eu/smart-training-event-1/>

NOTE THE TIMINGS GIVEN IN CEST (Central European Summer Time)