



# IUMRS-ICEM 2018

AUGUST 19(SUN.) - 24(FRI.), 2018 / DAEJEON, KOREA

<b>Session Title</b>	<b>Stretchable Systems</b>	<b>Session Code</b>	<b>Tu-F2</b>
<b>Date and Time</b>	<b>2018-08-21 / 13:30 - 15:30</b>		
<b>Place</b>	<b>Room F</b>		
<b>Session Chair</b>	<b>TBA</b>		

Tu-F2-1

13:30 - 14:00

## **[Invited] Soft Materials Engineering to Enhance Sensitivity of Stretchable Sensors**

Xiaodong Chen  
Nanyang Technological Univ., Singapore

Tu-F2-2

14:00 - 14:30

## **[Invited] Detecting Mechanical Cues via Soft Material Sensing: Low Cost Technological Solutions and Bioinspired Approaches**

Lucia Beccai  
Istituto Italiano di Tecnologia, Italy

Tu-F2-3

14:30 - 14:45

## **Tailoring Force Sensitivity And Selectivity by The Microstructural Engineering of Multidirectional Electronic Skins**

Jonghwa Park, Jinyoung Kim, Jaehyung Hong, Hochan Lee, Youngoh Lee, Seungse Cho, Sung-Woo Kim, Jae Joon Kim, Sung Youb Kim, and Hyunhyub Ko  
UNIST, Korea

Tu-F2-4

14:45 - 15:00

## **A Skin-Inspired Tactile Sensor for Super E-Skin**

Yuanzhao Wu<sup>1,2</sup>, Yiwei Liu<sup>1</sup>, Jie Shang<sup>1</sup>, and Run-Wei Li<sup>1</sup>  
<sup>1</sup>CAS, China, <sup>2</sup>Univ. of CAS, China

Tu-F2-5

15:00 - 15:15

## **Electrospun Ti<sub>3</sub>C<sub>2</sub>T<sub>x</sub> MXene Composite Fibers for Wearable Supercapacitor Applications**

Ariana Levitt, Simge Uzun, Mohamed Alhabeb, Genevieve Dion, and Yury Gogotsi  
Drexel Univ., USA

Tu-F2-6

15:15 - 15:30

## **Flexible Thermoelectric Power Generator for Self-Powered Wearable Electrocardiography**

Choong Sun Kim<sup>1</sup>, Hyeong Man Yang<sup>2</sup>, Jinseok Lee<sup>1</sup>, Gyu Soup Lee<sup>1</sup>, Hyeongdo Choi<sup>1</sup>, Yong Jun Kim<sup>1</sup>, Se Hwan Lim<sup>3</sup>  
Seong Hwan Cho<sup>1</sup>, Sang-Gug Lee<sup>1</sup>, and Byung Jin Cho<sup>1</sup>  
<sup>1</sup>KAIST, Korea, <sup>2</sup>ERC, Korea, <sup>3</sup>Tegway Co. Ltd., Korea