



# 7<sup>th</sup> IEEE Electron Devices Technology and Manufacturing (EDTM) Conference 2023

March 7 – 10, 2023 / COEX Seoul, Korea

## 39E. Health Monitoring System and Therapy

<b>Session Date:</b>	March 9(Thu.), 2023
<b>Session Time:</b>	14:45-16:15
<b>Session Room:</b>	Room E (#308 a)
<b>Session Chair:</b>	Prof. Sungjun Park (Ajou University)

### [39E-1] [Invited]

14:45-15:10

#### Ultra-Flexible Organic Electronics for Health Monitoring

Tomoyuki Yokota, Sunghoon Lee and Takao Someya  
*The University of Tokyo*

### [39E-2] [Invited]

15:10-15:35

#### On-Skin Biosensors: Wearable Sweat-Analytics for Healthcare

Xinting Zheng<sup>1</sup>, Yong Yu<sup>1</sup>, Changyun Jiang<sup>1</sup>, Jiajia Gao<sup>1</sup>, Wei Peng Goh<sup>1</sup>, Sherwin Chong Li Tan<sup>1</sup>, Ruth T Arwani<sup>1,2</sup>, Yuxin Liu<sup>1,3</sup>, Tandy Tantan Zhang<sup>1</sup>, Yuan Gao<sup>1</sup>, Xiangyu Zhang<sup>3</sup>, Aaron VY Thean<sup>3</sup> and Le Yang<sup>1,3</sup>

<sup>1</sup>Agency for Science, Technology and Research, <sup>2</sup>Nanyang Technological University, <sup>3</sup>National University of Singapore

### [39E-3] [Invited]

15:35-16:00

#### A Transient Closed-Loop System for Temporary Electrotherapy

Yeonsik Choi  
*Yonsei University*

### [39E-4]

16:00-16:15

#### A Breathable and Flexible Electronic Skin for Long-Term Electroencephalogram Monitoring

Tian-Rui Cui<sup>1</sup>, Ying-Fen Zeng<sup>12</sup>, Xiao-Shi Li<sup>1</sup>, Yan-Cong Qiao<sup>1</sup>, Ding Li<sup>1</sup>, He Tian<sup>1</sup>, Yi Yang<sup>1</sup>, Si-Fan Yang<sup>2</sup> and Tian-Ling Ren<sup>1</sup>

<sup>1</sup>Tsinghua University, <sup>2</sup>Tsinghua Shenzhen International Graduate School