

Symposia – B03
Soft Electronic Materials and Devices

Oct 15 (Sunday), 2023 Conference Room: 7103, -1# floor

08:30-10:30 Session I

Chairs: Prof. Zijian Zheng, Prof. Feng Xue

08:30-09:00 (B03-01)

TBD (Keynote)

Feng Xue, Tsinghua University

09:00-09:20(B03-02)

Device Technologies and Physiological Models for Wearable Medical Devices (Invited)

Zhao Ni, The Chinese University of Hong Kong

09:20-09:40(B03-03)

Carbon nanotube-based epidermal electronic systems (Invited)

Hu Youfan, Peking University

09:40-10:00(B03-04)

MXenes based flexible photodetectors (Invited)

Li La, Beijing Institute of Technology

10:00-10:15(B03-05)

Flexible fabric-type integrated electronic circuit (Oral)

Fan Xing, Chongqing University

10:15-10:30(B03-06)

Intrinsically elastic polymer ferroelectric by precise slight crosslinking (Oral)

Liang Gao, Ningbo Institute of Materials Technology and Engineering, CAS

10:30-10:40 Coffee break

10:40-12:10 Session II

Chairs: Prof. Qilin Hua, Prof. Ma Zhijun

10:40-11:00 (B03-07)

Intelligent skin electronics for healthcare monitoring and XR (Invited)

Yu Xinge, City University of Hong Kong

11:00-11:20 (B03-08)

Liquid metal fibers for permeable stretchable electronics (Invited)

Ma Zhijun, Zhejiang Lab

11:20-11:40 (B03-09)

Neuro-inspired artificial sensory systems (Invited)

Hua Qilin, Beijing Institute of Technology

11:40-11:55 (B03-10)

Integrated omni-transparent electroluminescent devices for self-powered and flexible display system (Oral)
Sun Junlu, Zhengzhou University

11:55-12:10 (B03-11)

High-Performance Active-matrix Circuitry based on 2D materials for Multimodal User-Interaction (Oral)

Zhao Jing, Beijing Institute of Technology

13:30-15:35 Session III

Chairs: Prof. Li La, Prof. Zhou Xuechang

13:30-14:00 (B03-12)

Flexible electric/magnetic functional materials and devices (Keynote)

Li Runwei, Ningbo Institute of Materials Technology and Engineering, CAS

14:00-14:20 (B03-13)

Design and Application of Leather Electronics (Invited)

Huo Fengwei, Nanjing University of Technology

14:20-14:40 (B03-14)

Soft, adhesive, and conductive polymer composites for soft electronics (Invited)

Zhou Xuechang, Shenzhen University

14:40-15:00 (B03-15)

From Conducting Hydrogels to Semiconducting Hydrogels (Invited)

Zhang Shiming, The University of Hong Kong

15:00-15:20 (B03-16)

Triboelectric Self-powered Pressure Sensors (Invited)

Wen Zhen, Soochow University

15:20-15:35 (B03-17)

Universal spray self-assembly without template investigation for large area ordered Ag nanowires micromesh conductor fabrication (Oral)

Qian Kai, Shandong University

15:35-15:40 Coffee break

15:40-17:40 Session IV

Chairs: Prof. Li Runwei, Prof. Zhang Li

15:40-16:00(B03-18)

Magnetic-field driven and powered soft miniature devices: an in vivo perspective (Invited)

Zhang Li, The Chinese University of Hong Kong

16:00-16:20(B03-19)

Gelatin-based ionic thermoelectric gel for energy harvesting (Invited)

Liu Weishu, Southern University of Science and Technology

16:20-16:40(B03-20)

Tactile sensing device (Invited)

Zhou Ye, Shenzhen University

16:40-16:55(B03-21)

Autonomous Energy and Self-Powered Sensing Textiles (Oral)

Dong Kai, Beijing Institute of Nanoenergy and Nanosystems, CAS

16:55-17:10(B03-22)

Wireless wearable devices for passive monitoring pressure information (Oral)

Li Yang, Shandong University

17:10-17:25(B03-23)

Flexible continuous blood glucose monitoring calibration based on electrochemical impedance spectrum normalization compensation (Oral)

Sun Tianyi, University of Chinese Academy of Sciences

17:25-17:40(B03-24)

Flexible wearable sodium ion Electrical sensor based on LMP91000 micropotentiostat (Oral)

Liu Yuchen, University of Chinese Academy of Sciences