

Program

Main venue (Longrun Ballroom on the 3rd floor)

Thursday, September 11, 2025		
Morning	08:30-09:10	Opening Ceremony
	Plenary Lecture, chair: Yonggang Huang	
	09:10-10:00	John A. Rogers, <i>Northwestern University</i>
		Wireless, degradable devices as transient biomedical and environmental sensors
	10:00-10:20	Coffee break & Photo time
	Plenary Lectures, chair: Xue Feng	
	10:20-11:10	Metin Sitti, <i>Koç University</i>
		Wireless soft implantable medical milliscale robots inside the body
	Plenary Lectures, chair: Yihui Zhang	
Afternoon	11:10-12:00	Tae-Woo Lee, <i>Seoul National University</i>
		Next-generation light-emitting technologies: From perovskite LEDs to flexible neuromorphic displays
	Industry session, chair: Yihao Chen	
		Talks of professionals on technology transfer
	13:40-13:50	John A. Rogers, <i>Northwestern University</i>
	13:50-14:00	Tae-Woo Lee, <i>Seoul National University</i>
	14:00-14:10	Zhimin Yan, <i>Visionox</i>
	14:10-14:20	Zijian Zheng, <i>The Hong Kong Polytechnic University</i>
	14:20-14:30	Jizhou Song, <i>Zhejiang University</i>
	14:30-15:30	Round-table discussion
	15:30-16:00	Coffee break & posterz
	Sharing Segment, chair: Hanqing Jiang	
	16:00-17:00	John A. Rogers & Yonggang Huang, Story of cross-discipline collaboration
Evening	18:30-20:30	Banquet
Friday, September 12, 2025		
Morning	8:30-12:00	Four parallel sessions
Afternoon	13:30-18:00	Four parallel sessions

Session-1

Organic Flexible Electronics/ Flexible Displays (Meeting Room on the 50th floor)

Friday, September 12, 2025 (Beijing time)

Morning	Keynote lectures, chair: Lian Duan	
	08:30-08:55	Junji Kido , <i>Yamagata University</i>
		Recent developments in organic LEDs
	08:55-09:20	Lixin Xiao , <i>Peking University</i>
		Sub-second long lifetime triplet exciton reservoir for highly efficient and stable OLED
	09:20-09:45	Yanchun Han , <i>Changchun Institute of Applied Chemistry Chinese Academy of Sciences</i>
		Optimizing morphology to trade off charge transport and mechanical properties of stretchable conjugated polymer films
	09:45-10:10	Hui Xu , <i>Heilongjiang University</i>
		Electroluminescent clusters
	10:10-10:30	Coffee break
	Keynote lectures, chair: Yanchun Han	
	10:30-10:55	Youxuan Zheng , <i>Nanjing University</i>
		Circularly polarized luminescence and electroluminescence of chiral thermally activated delayed fluorescence materials
	10:55-11:20	Zujin Zhao , <i>South China University of Technology</i>
		Purely organic room-temperature phosphorescence molecules for high-performance organic light-emitting diodes
	Invited lectures, chair: Yanchun Han	
	11:20-11:40	Zuoquan Jiang , <i>Soochow University</i>
		Spiro-type OLED materials
	11:40-12:00	Dongdong Zhang , <i>Tsinghua University</i>
		Stable blue OLEDs based on TADF sensitized fluorescence

Friday, September 12, 2025 (Beijing time)		
Afternoon	Keynote lectures, chair: Zujin Zhao	
	14:00-14:25	Zhishan Bo , <i>Beijing Normal University</i>
		High-efficiency, low-cost organic photovoltaic acceptor materials
	14:25-14:50	Yanming Sun , <i>Beihang University</i>
		Study on voltage loss in organic solar cells
	14:50-15:15	Jinliang Wang , <i>Beijing Institute of Technology</i>
		Precise synthesis and performance regulation of acceptor materials based on element asymmetric strategy
	15:15-15:40	Hanying Li/ Boyu Peng , <i>Zhejiang University</i>
		Organic semiconductor single-crystal materials and devices towards organic integrated circuits
	15:40-16:00	Coffee break
	Keynote lectures, chair: Zhishan Bo	
	16:00-16:25	Jianxin Tang , <i>Soochow Univeristy</i>
		Optical manipulation for improved light utilization in organic solar cell
	16:25-16:50	Huanli Dong/Can Gao , <i>Institute of Chemistry, Chinese Academy of Sciences</i>
		High-efficiency organic light-emitting transistor materials and devices
	Invited lectures, chair: Yanming Sun	
	16:50-17:10	Kai Li , <i>Shenzhen University</i>
		Design of metal-TADF emitters based on metal-perturbation and/or secondary interactions for OLED applications
	17:10-17:30	Yuewei Zhang , <i>Tsinghua university</i>
		Narrowband organic light-emitting materials and devices based on multiple resonance

Session-2

New material and structural design of flexible Electronics (Longrun Ballroom 1 on the 3rd floor)

Friday, September 12, 2025 (Beijing time)

Morning	Keynote lectures, chair: Zhaoguo Xue	
	08:30-08:55	Tae-il Kim , <i>Sungkyunkwan University</i>
		Frequency-selective vibration absorption of polyborodimethylsiloxane (PBDMS) for mechanical bandpass filters
	08:55-09:20	Seokwoo Jeon , <i>Korea University</i>
		3D, ordered nanoporous materials for flexible applications
	09:20-09:45	Yang Chai , <i>The Hong Kong Polytechnic University</i>
		Bioinspired in-sensor computing for artificial vision
	Invited lectures, chair: Zhaoguo Xue	
	09:45-10:05	Bowen Zhu , <i>Westlake University</i>
		Flexible active-matrix sensor arrays based on oxide thin-film transistors
	10:05-10:25	Coffee break
	Keynote lectures, chair: Bowen Zhu	
	10:25-10:50	Tomoyuki Yokota , <i>The University of Tokyo</i>
		Flexible organic photonic device for the bio-signal measurement
	10:50-11:15	Wenlong Cheng , <i>The University of Sydney</i>
		Nano-enabled soft bioelectronics
	11:15-11:40	Ni Zhao , <i>The Chinese University of Hong Kong</i>
		From monitoring to modulation: Intelligent wearable devices for health sensing and drug delivery
	Invited lectures, chair: Bowen Zhu	
	11:40-12:00	Yixuan Wang , <i>Tianjing University</i>
		Intrinsic flexible electronic-ionic mixed conducting materials and devices
	12:00-12:20	Zhaoguo Xue , <i>Beihang University</i>
		Mechanically-guided assembly of complex 3D structures and electronics

Friday, September 12, 2025 (Beijing time)		
Afternoon	Keynote lectures, chair: Zhuang Zhang	
	13:30-13:55	Yongfeng Mei , <i>Fudan University</i>
		VO ₂ nanomembranes for optoelectronics and nanorobotics
	13:55-14:20	Jianfeng Zang , <i>Huazhong University of Science and Technology</i>
		Implantable soft acoustic hydrogels for ultrasound sensors on monitoring physiological signals
	Invited lectures, chair: Zhuang Zhang	
	14:20-14:40	Yifan Wang , <i>Nanyang Technological University</i>
		Hydrogel-based electronics for advanced human-machine interfaces
	14:40-15:00	Zhiyuan Liu , <i>Shenzhen Institute of Advanced Technology, CAS</i>
		A movable long-term implantable soft microfibre for bioelectronics
	15:00-15:20	Changsheng Wu , <i>National University of Singapore</i>
		Leveraging magnetoelectrochemistry to power embodied intelligence and sustainable wearables
	15:20-15:40	Coffee break
	Keynote lectures, chair: Changsheng Wu	
	15:40-16:05	Chongan Di , <i>Institute of Chemistry, CAS</i>
		High-performance organic thermoelectric materials and devices
	16:05-16:30	Alfons Dehe , <i>Hahn Schickard Institute, Germany</i>
		MEMS sensors and actuators @ Hahn-Schickard
	Invited lectures, chair: Changsheng Wu	
	16:30-16:50	Zhuang Zhang , <i>Fudan University</i>
		Origami-based structures for multimodal soft actuation and high-fidelity haptics
	16:50-17:10	Wei Wang , <i>Westlake University</i>
		CMOS circuit-compatible intelligent microrobotics
	17:10-17:30	Liew Weng Heng , <i>Fulai</i>
		High spatial resolution tactile sensors for dexterous hands

Session-3

Novel devices and unconventional fabrication of flexible electronics

(Longrun Ballroom 2 on the 3rd floor)

Friday, September 12, 2025 (Beijing time)

Morning	Keynote lectures, chair: Xuemin Du	
	08:30-08:55	Martin Kaltenbrunner , <i>Johannes Kepler University Linz</i> Powering soft wearable devices with light – opportunities of ultraflexible perovskite solar modules with exceptional low-light performance
	08:55-09:20	Hanqing Jiang , <i>Westlake University</i> Muscle-inspired elasto-electromagnetic mechanism in autonomous insect robots
	09:20-09:45	Jae Woong Jeong , <i>Korea Advanced Institute of Science and Technology</i> Adaptive bioelectronics with body temperature-responsive phase-change metal ink
	Invited lectures, chair: Xuemin Du	
	09:45-10:05	Hoang-Phuong Phan , <i>The University of New South Wales</i> Silicon carbide nanomembranes for biomedical sensing applications
	10:05-10:25	Li Gao , <i>Nanjing University of Posts and Telecommunications</i> Enhanced performance in two-dimensional photodetectors
	10:25-10:45	Coffee break
	Keynote lectures, chair: Li Gao	
	10:45-11:10	Zijian Zheng , <i>The Hong Kong Polytechnic University</i> Permeable electronic skins
	11:10-11:35	Li Zhang , <i>The Chinese University of Hong Kong</i> Magnetically actuated miniature soft robots for clinical applications
	Invited lectures, chair: Li Gao	
	11:35-11:55	Xuemin Du , <i>Shenzhen Institutes of Advanced Technology, CAS</i> Neuron-inspired ferroelectric bioelectronics
	11:55-12:15	Kaichen Xu , <i>Zhejiang University</i> Design, manufacturing and applications of flexible intelligent sensing systems

Friday, September 12, 2025 (Beijing time)		
Afternoon	Keynote lectures, chair: Jiaqi Liu	
	13:30-13:55	Jizhou Song , <i>Zhejiang University</i>
		Advanced transfer printing techniques based on tunable adhesives
	13:55-14:20	Yuxin Liu , <i>National University of Singapore</i>
		Hydrogel electronics for biomedical applications
	14:20-14:45	Chuanfei Guo , <i>Southern University of Science and Technology</i>
		Soft pressure and strain sensors for accurate measurements
	Invited lectures, chair: Jiaqi Liu	
	14:45-15:05	Nanjia Zhou , <i>Westlake University</i>
		Miro-nano electronic additive manufacturing technology and applications
	15:05-15:25	Yamin Zhang , <i>National University of Singapore</i>
		From biocompatible batteries to miniaturized biomedical devices
	15:25-15:45	Coffee break
	Keynote lectures, chair: Yamin Zhang	
	15:45-16:10	Shaoting Lin , <i>Michigan State University</i>
		Electrical tissue adhesives for in-situ intraoral detection
	Invited lectures, chair: Yamin Zhang	
	16:10-16:30	Wei Zhai , <i>National University of Singapore</i>
		Structure–function integration in soft materials for bioelectronic interfaces
	16:30-16:50	Jiaqi Liu , <i>Hong Kong University of Science and Technology</i>
		Merging bio-integrated materials and devices with ultrasound: opportunities in sensing, modulation and actuation
	16:50-17:10	Hongjie Hu , <i>Peking University</i>
		Wearable ultrasound imaging technologies

Session-4
Emerging applications and performances of flexible
Electronics
(Gory Ballroom on the 5th floor)

Friday, September 12, 2025 (Beijing time)

Morning	Keynote lectures, chair: Mengdi Han	
	08:30-08:55	Dae-Hyeong Kim , <i>Seoul National University</i>
		Stretchable quantum dot light emitting diode array
	08:55-09:20	Xingyu Jiang , <i>Southern University of Science and Technology</i>
		Flexible materials-based precise control of biomolecules
	09:20-09:45	Jang-Ung Park , <i>Yonsei University</i>
		Smart contact lenses for correlation analysis between tear glucose and blood glucose
	Invited lectures, chair: Mengdi Han	
	09:45-10:05	Yoonseok Park , <i>Kyung Hee University</i>
		Magnetically actuated functional materials for intelligent systems
	10:05-10:25	Rui Li , <i>Dalian University of Technology</i>
		Analytical models for degradation of multilayer films in bioresorbable electronics
	10:25-10:45	Coffee break
	Keynote lectures, chair: Yihao Chen	
	10:45-11:10	Young Min Song , <i>Gwangju Institute of Science Technology</i>
		Bio-inspired Cameras: Inspiration from visual ecology for advancing robotic vision systems
	11:10-11:35	Naoji Matsuhisa , <i>The University of Tokyo</i>
		Skin-conformable sensors and displays by soft electronic materials
	11:35-12:00	Xinge Yu , <i>City University of Hong Kong</i>
		Skin interfaced electronics for healthcare and VR/AR
	Invited lectures, chair: Yihao Chen	
	12:00-12:20	Mengdi Han , <i>Peking University</i>
		Magnetic implants for wireless biosensing

Friday, September 12, 2025 (Beijing time)		
Afternoon	Keynote lectures, chair: Kewang Nan	
	13:30-13:55	Zhou Li , <i>Tsinghua University</i>
		Self-powered medical devices
	13:55-14:20	Zhuhua Zhang , <i>Nanjing University of Aeronautics and Astronautics</i>
		Fracture toughness of two-dimensional nanomaterials
	Invited lectures, chair: Kewang Nan	
	14:20-14:40	Qinglei Guo , <i>Shandong University</i>
		Inorganic semiconducting membranes for multifunctional flexible sensors and devices
	14:40-15:00	Enming Song , <i>Fudan University</i>
		Flexible silicon-based neural electronic interfaces
	15:00-15:20	Wei Yan , <i>Donghua University</i>
		Advanced fiber materials and devices
	15:20-15:40	Yihao Chen , <i>Tsinnghua University</i>
		Kirigami-inspired breathable smart contact lens for wireless monitoring of corneal hypoxia and microenvironment
	15:40-16:00	Coffee break
	Keynote lectures, chair: Enming Song	
	16:00-16:25	Liwu Liu , <i>Harbin Institute of Technology</i>
		Design and mechanical behavior of shape memory smart space deployable structures
	16:25-16:50	Lingqian Chang , <i>Beihang University</i>
		Cell theranostic chips
	Invited lectures, chair: Enming Song	
	16:50-17:10	Jingda Tang , <i>Xian Jiaotong University</i>
		Fatigue resistant hydrogels and application in stretchable strain sensors
	17:10-17:30	Kewang Nan , <i>Zhejiang University</i>
		Three-dimensional bio-electronics for seamless recording and interactions with <i>Drosophila</i> larvae
	17:30-17:50	Leilei Gu , <i>Shanghai Jiaotong University</i>
		Biomimetic vision based on nanowire arrays