

ISFSE2018 Program

June 28th, Thursday				
REGISTRATION				
TIME	VENUE			
14:30-21:00	International Academic Exchange Center (No.8 BLDG) 1 st Floor			
June 29th, Friday				
VENUE	CHAIR	TIME	NAME	TITLE
Lecture Hall (3 rd Floor)	Rong Chen	8:30-8:40 Opening addresses	Representatives HUST	Opening address
		8:40-9:00	Group Photo	
		9:00-9:40 Plenary Speech	Zhonglin Wang GT, USA	Flexible Triboelectric Nanogenerators and Self-Powered Sensors
		9:40-10:20 Plenary Speech	Xuanhe Zhao MIT, USA	Merging Human and Machines via Soft-Matter Technology
10:20-10:40 Coffee Break				
Lecture Hall (3 rd Floor)	Jianfeng Zang	10:40-11:10 Keynote Talk	IL-Kwon OH KAIST, S Korea	Ionic Soft Actuators Based on Nano-Carbons
		11:10-11:40 Keynote Talk	ChangQing Sun NTU, Singapore	Spectrometric Evaluation of Bonding and Electronic Dynamics under Multifield Perturbation
		11:40-12:10 Keynote Talk	Haixia Zhang PKU, China	Self Powered Smart Sensing System
12:10 Buffet				
Time	Flexible Energy System Chair: Dehui Li Lecture Hall (3 rd Floor) No. 8 BLDG		Time	Flexible Electronics System Chair: Chuanfei Guo The multi-function hall (2 nd Floor) No. 8 BLDG

14:00-14:20	Kailiang Ren(IN) CAS, China Poly(vinylidene fluoride-hexafluoropropylene) based Blend Film and Nanocomposite for Ultrahigh Energy Density Capacitor Applications	14:00-14:20	Sihong Wang(IN) Stanford University, USA Intrinsically stretchable polymer electronics for merging with living systems
14:20-14:40	Chi Zhang(IN) CAS, China Tribotronics for Mechanosensation and Self-Powered Systems	14:20-14:40	YongAn Huang(IN) HUST, China Electrohydrodynamic Printing for Flexible/Stretchable Electronics
14:40-14:55	Jinjin Zhao(OR) Shijiazhuang Tiedao University, China Single Crystalline $\text{CH}_3\text{NH}_3\text{PbI}_3$ Self-Grown on Mesoporous Substrate for High Efficiency Perovskite Solar Cells	14:40-15:00	Chuanfei Guo (IN) SUST, China Biomimetic Materials for Flexible Tactile Sensors and the Applications in Soft Robotics
14:55-15:10	Xiaocong Tian(OR) China University of Geosciences, China Planar-type electrochemical energy storage devices	15:00-15:20	Pengbo Wan(IN) Beijing University of Chemical Technology, China Flexible Wearable Nanomesh Electronic Sensors
15:10-15:25	Rongrong Bao(OR) CAS, China Flexible and Controllable Piezo-phototronic Pressure Mapping Sensor Matrix by Organic/inorganic Hybrid LED Array	15:20-15:40	Zhengchun Peng(IN) Shenzhen University, China Stretchable ISFET Sensor and Piezoresistive Sensor with Novel Designs and High Performance
15:25-15:40	Siya Huang(OR) SUST, China Ultra-stretchable and Fatigue-free Transparent Electrodes for Imperceptible Epidermal Electronics		

15:40-16:40 Poster Presentation & Coffee Break		
16:40-18:30	Panel Discussion Lecture Hall (3 rd Floor)	Zhonglin Wang(Chair); Yonggang Huang; Xuanhe Zhao; Haixia Zhang; Nanshu Lu; IL-Kwon OH
18:30 Banquet		

June 30th, Saturday				
VENUE	CHAIR	TIME	NAME	TITLE
Lecture Hall (3 rd Floor)	YongAn Huang	8:30-9:10 Plenary Speech	Yonggang Huang Northwestern University	Mechanics-guided Deterministic 3D Assembly
		9:10-9:40 Keynote Talk	Jiang Tang HUST, China	Flexible Antimony Selenide (Sb ₂ Se ₃) Solar Cells
		9:40-9:55	Awarding for Best Poster VIP Guest:	
9:55-10:10 Coffee Break				
Time	Fabrication Technology Chair: Jiang Tang Lecture Hall (3 rd Floor) No. 8 BLDG	Time	Material & System Chair: Jian Zhu The multi-function hall (2 nd Floor) No. 8 BLDG	
10:10-10:40	Nanshu Lu(KN) The University of Texas at Austin, USA Mechanics, Manufacture, and Functionalities of Electronic Tattoos	10:10-10:30	Caofeng Pan(IN) CAS, China Mapping strain/pressure with ZnO nanowire arrays by piezotronic and piezo-phototronic effect	
10:40-11:00	Yihui Zhang(IN) Tsinghua University, China Soft network materials with bio-inspired designs for stretchable electronics	10:30-10:50	Wentao Xu(IN) Nankai University, China Synaptic electronic devices and their applications	

11:00-11:20	Jizhou Song(IN) Zhejiang University, China Magnet-controlled Transfer Printing	10:50-11:10	Fenghua Li(IN) Wicue, Inc., China Switchable Liquid Crystal Sun-Shading Automotive Window
11:20-11:40	Xian Huang(IN) Tianjin University, China Achievement of flexible electronic devices through nanocrystallized hard materials	11:10-11:30	Yang Xu(IN) Zhejiang University, China High-Performance Flexible Graphene/Ultra-thin Silicon Ultra-Violet Image Sensor
11:40-11:55	Kang Wu(OR) HUST, China A Scalable and Ubiquitous Technology for Stretchable Electronics Fabrication	11:30-11:50	Liying Jiang(OR) The University of Western Ontario, Canada Optimization of The Energy Harvesting Schemes for Viscoelastic Dielectric Elastomer Generators
11:55 Buffet			
Time	Applications & Soft Robotics Chair: Zhigang Wu Lecture Hall (3 rd Floor) No. 8 BLDG	Time	Energy Technology Chair: Chengliang Wang The multi-function hall (2 nd Floor) No. 8 BLDG
14:00-14:30	Yuan Lin(KN) University of Electronic Science and Technology of China, China Applications of Oxide Thin Films in Flexible Sensors	14:00-14:20	Zhuo Li(IN) Fudan University, China Design of functional polymer composites for stretchable electronics
14:30-14:50	Jian Zhu(IN) NUS, Singapore Soft Robots based on Dielectric Elastomer Actuators	14:20-14:40	Chunxian Guo(IN) Suzhou University of Science and Technology, China Low-Dimensional Biomimetic Catalysts for In-Situ Biosensing
14:50-15:10	Tiefeng Li(IN) Zhejiang University, China Mechanical Investigation of Soft Robots and Artificial Muscle	14:40-15:00	Zunfeng Liu(IN) Nankai University, China Elastomeric Buckled Conducting Composites for Stretchable Interconnects, Artificial Muscles, and Wearable Electronics

15:10-15:30	Li Wen(IN) Beihang University, China Bio-Inspired Soft Robotics: Mechanisms, Structures and Control	15:00-15:15	Ming Xie(OR) Battflex Technologies, Inc., China Nanofiber-enhanced Flexible Lithium Ion Batteries with Exceptional Volumetric Energy Density and Safety at a Large Production Scale
15:30-15:50	Changyong Cao(IN) Michigan State University, USA Aerosol Jet Printed Electronics from Low-dimensional Nanomaterials	15:15-15:30	Zhisong Lu(OR) Southwest University, China Nano-functionalized Silk for Flexible Electronics
Adjourn			

Note: KN(Keynote talk) : 30min; IN (Invited speech) : 20min;
OR(Oral presentation):15min