ICAFPM

ICAFPM2019

第九届先进纤维与聚合物材料国际会议

THE 9TH INTERNATIONAL CONFERENCE ON ADVANCED FIBERS AND POLYMER MATERIALS

PROGRAM

2019年11月19-22日 中国·上海

Nov. 19th-22nd, 2019 Shanghai, China

SKLFPM

DONGHUA UNIVERSITY

纤维材料改性国家重点实验室

纤维材料改性国家重点实验室(东华大学)

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM, DHU)

主办(ORGANIZER)

纤维材料改性国家重点实验室(东华大学)
State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM, DHU)

SKLFPM
DONGHUA UNIVERSITY
纤维材料改性国家重点实验室

承办(CO-ORGANIZER)

中国材料研究学会纤维材料改性与复合技术分会
Division of Fiber Materials and Composite Technology, Chinese Materials Research Society (FMCT, CMRS)

纤维材料先进制造技术与科学创新引智基地
Innovation Base of Advanced Fabrication Technology of Fiber Materials, DHU (111 Project)

东华大学材料科学与工程学院
College of Materials Science and Engineering (CMSE, DHU)

111 PROJECT
纤维材料先进制造技术与科学创新
111 引智基地

协办(SPONSOR)

教育部材料类专业教学指导委员会高分子材料工作组
Polymer Materials Working Group in Material Division of Teaching Steering Committee of Ministry of Education

高性能纤维及制品教育部重点实验室(B)
The Key Laboratory of High-Performance Fibers and Product, Ministry of Education

东华大学先进低维材料中心
Center for Advanced Low-dimension Materials (CALM, DHU)

上海市先进纤维与低维材料一带一路国际联合实验室(东华大学)
Shanghai Belt and Road Joint Laboratory of Advanced Fiber and Low-dimension Materials (Donghua University)

上海市轻质结构复合材料重点实验室
Shanghai Key Laboratory of Light Weight Structural Composite Materials

功能杂化材料上海高校重点实验室
Key Laboratory of Hybrid Functional Materials of the Universities in Shanghai

ICAFPM 2019

Welcome Message

Dear guests,

It is our great honor to welcome you to attend 9th International Conference on Advanced Fibers and Polymer Materials (ICAFPM 2019) at Donghua University, Songjiang campus, November 19th to 22nd, 2019 in Shanghai, China.

ICAFPM 2019 is organized by State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM), in close partnership with the Division of Fiber Materials and Composite Technology, Chinese Materials Research Society (FMCT, CMRS), Innovation Base of Advanced Fabrication Technology of Fiber Materials, DHU (111 Project), College of Materials Science and Engineering (CMSE, DHU), Polymer Materials Working Group in Material Division of Teaching Steering Committee of Ministry of Education, the Key Laboratory of High-Performance Fibers and Product, Ministry of Education, Center for Advanced Low-dimension Materials (CALM, DHU), Shanghai Belt and Road Joint Laboratory of Advanced Fiber and Low-dimension Materials, Shanghai Key Laboratory of Light Weight Structural Composite Materials, Key Laboratory of Hybrid Functional Materials of the Universities in Shanghai.

The main theme of ICAFPM 2019 is Next generation fibers: Shaping A Better Future. Fibers and polymers have wide-spreading contributions to development of national economy, science & technology and national defense construction. As next generation fibers, Holo fibers are opening a sophisticated perspective to the future of integrated devices and systems, and will shape our life greatly in the coming future. The acceleration of Holo fibers is a new opportunity for the upgrade and innovation of world industry.

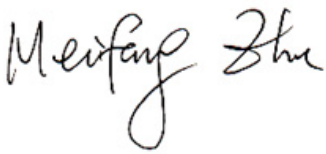
The conference includes 10 sessions:

A. High-Performance Fibers and Composites
B. Chemistry and Physics in Fibers and Textiles
C. Nano-Technologies in Fibers and Polymers
D. Smart Fibers, Textile and Wearable Intelligent Device
E. Fibers and Polymers for Medical Applications
F. Environmentally Friendly Fibers and Polymers
G. Fibers and Polymers for Energy Applications
H. Fibers and Polymers for Information Technology
I. New Era Engineering Education
J. Development of Fiber Industry

ICAFPM aims to gather leading international scientists in the field. It has attracted over 500 researchers from China, USA, UK, France, Germany, Portugal, Hungary, Australia, Canada, Japan, Korea, Singapore, Malaysia, Iran and other countries. The participants include academicians of Chinese Academy of Sciences, Chinese Academy of engineering, National Academy of Inventors of the United States of America, National Academy of Engineering of the United States of America, the Royal Society of Chemistry, the European Academy of Science and Arts, the Russian Academy of Natural Sciences, the Korean Academy of Science and Technology, the National Academy of Engineering of Korea, the Singapore Academy of Engineering, the Indian Academy of Engineering, President of Asian Polymer Association, former President of the European Polymer Federation, President of Society of Fiber Science and Technology, Japan. Editors of Nature Communications, Matter, Cell Press, Advanced Fiber Materials, Chinese Journal of Polymer Science, Acta Polymerica Sinica, etc. We believe that ICAFPM 2019 will provide an ideal platform to promote scientific communication and collaborations in the area of the next-generation fibers and polymer materials.

Again, many thanks for your participation and contributions. Hope you enjoy this conference and have a good time in Donghua University.

Best Regards



Chairperson of Organizing Committee of ICAFPM 2019
Director of State Key Laboratory for Modification of Chemical Fibers and Polymer Materials
Chair of Division of Fiber Materials and Composite Technology, Chinese Materials Reseaerch Society
Director of Innovation and Talents Introduction Base of Advanced Manufacture Technology and Science for Fiber Materials
Dean of College of Materials Science and Engineering, Donghua University, China

Table of Contents

SKLFPM
DONGHUA UNIVERSITY
纤维材料改性国家重点实验室

Important Contacts

Contact	Responsibility	Mobile	Email
Yaopeng ZHANG	Secretary General	+86-18616399399	zyp@dhu.edu.cn
Yaozu LIAO	Deputy Secretary General / QIAN Baojun Fiber Award	+86-13127718931	yzliao@dhu.edu.cn
Zhengwei YOU	Deputy Secretary General / Program	+86-18516195158	zyou@dhu.edu.cn
Le WANG	Deputy Secretary General / Proceeding	+86-13482646821	le.wang@dhu.edu.cn
Miaomiao YU	Secretary / Annual Meeting of 111 project / IAC of SKLFPM / AC of Shanghai Belt and Road Joint Laboratory	+86-18801622879	mmyu@dhu.edu.cn
Bin SUN	Secretary / Poster	+86-13918199745	sunbin@dhu.edu.cn
Qi LIU	Secretary / Registration	+86-15216760593	liuqi@dhu.edu.cn
Qingbao GUAN	Secretary / Reception	+86-13812643573	qbguan@dhu.edu.cn
Lili LI	Secretary / Accomdation	+86-18817333875	sklfpm@dhu.edu.cn
Xi XING	Secretary / Transportation	+86-15021720270	xingxi@dhu.edu.cn
Qi ZHENG	Secretary / Catering	+86-13501895293	zq@dhu.edu.cn

Should you have any questions, please feel free to contact us.

Wi-Fi Service

Public free Wi-Fi service (SSID: DHU) is provided to all participants in conference venue (Songjiang Campus of Donghua University). For security reason, you are required to get your individual Wi-Fi account in our registration desk by providing your name and ID (passport) number.
Our school has successfully deployed eduroam global wireless network roaming service. If your institution is the member of the eduroam alliance, you can log in to the wireless network directly using the username (job number@visitor domain or student number@visitor domain) and password (consistent with the campus network password).

Many thanks for your kind cooperation. If you have any questions, please consult the registration desk or student volunteers.

Introduction of SKLFPM

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM)

State Key Laboratory for Modification of Chemical Fibers and Polymer Materials (SKLFPM) in Donghua University, with the first Chinese major in chemical fibers, was founded under the approval of State Development Planning Commission in 1992. It successfully completed the national acceptance in 1996, and passed the national assessment 4 times since 2003. In 2018, SKLFPM was rated as "Excellent State Key Laboratory". As the first key state-level scientific research center of fibers and textiles in China, it has made great contribution to the development of chemical fiber industry of China.

SKLFPM currently focuses on three research themes, including high performance fibers and composite materials, functional fibers and low-dimensional materials, and environmentally-friendly and biomass Fibers and materials. In 2007, Innovation and Talents Introduction Base of Advanced Fabrication Technology of Fiber Materials was enrolled in the Talents Introducing Program for Disciplinary Innovation of Universities ("111 Project"). In 2017, the "111 Project" passed the evaluation and got rolling support of State Bureau of Foreign Affairs and Ministry of Education. In 2018, Shanghai Belt and Road Joint Laboratory of Advanced Fiber and Low-Dimension Materials built by SKLFPM was supported by Shanghai Science and Technology Commission.

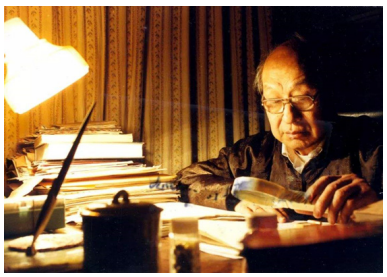
Prof. Xi Zhang (Academician, CAS) is the current director of SKLFPM Academic Committee. The director of SKLFPM is Prof. Meifang Zhu. SKLFPM has about 80 faculty members, which constitutes high-level research team. The facility center of SKLFPM is equipped with more than 300 instruments and 26 pilot plants.

SKLFPM promotes the principle of "openness, communication, cooperation and competition". In the past 5 years, SKLFPM has conducted nearly 700 scientific and engineering projects. The total amount of the funding is about 450 million Yuan. The laboratory has been awarded 7 National Awards, and 25 first-level prizes at the provincial and ministerial level. More than 1600 academic papers have been published, and more than 800 patents were authorized.

As a state-level research center, SKLFPM aims at leading the development of fiber science and technology as well as chemical fiber industry, to meet the great demand of strategic fiber materials today and tomorrow, and to be the international first-class academic exchange and research center.

Websites:
http://sklfpm.dhu.edu.cn
E-mail: sklfpm@dhu.edu.cn
Tel: 86-21-67792851
86-21-67792723
Fax: 86-21-67792855

Introduction of QIAN Baojun Fiber Award



Prof. QIAN Baojun (1907-1996) is the founder of Fiber Research and Education in China. He was also the president of East China Institute of Textile Science and Technology (former name of Donghua University). Owing to his testament, his savings was used to financially support students in Donghua University, and hence the University set up QIAN Baojun Foundation to manage the fund.

For memorizing Prof. QIAN Baojun, his students and successors around world, decide to establish QIAN Baojun Fiber Award to recognize the contribution in Fiber Science and Technology. QIAN Baojun Foundation is in charge of selection of the award winners. Up to now, there are many companies in fiber and textile industry donating to QIAN Baojun Foundation for Fiber Award.

QIAN Baojun Fiber Award is conferred every two years. It includes Distinguished Achievement Award and Young Scholar Award, which will be presented to distinguished scientists and excellent young scholars in the field of fiber-related sciences and engineering, respectively.

Distinguished Achievement Award:
The winners should have been recognized distinguished professional achievement in basic or applied fiber sciences. A certificate and USD 10,000 will be awarded.

Young Scholar Award:
The winners should be younger than 45, active in fiber science, and have done excellent work in the science, engineering, and technology of fibers, fiber-based materials and devices. A certificate and USD 3,000 will be awarded.

Selection Committee of QIAN Baojun Fiber Award
Committee Director: Elsa Reichmanis (Academician, NAE, USA)
Committee Members: Benjamin S. Hsiao (Stony Brook University, New York, USA), Takeshi Kikutani (Tokyo Institute of Technology, Japan), Xiaoping Duan (China National Textile and Apparel Council, China), Jinliang Sun (Academician, CAE, China)

Executive Committee of QIAN Baojun Fiber Award
Honorary Director: Stephen Z. D. Cheng (Academician, NAE, USA)
Director: Meifang Zhu
Executive Deputy Directors: Rong Dai, Bin Qu, Mingwei Zhao
Executive Members: Rong Dai, Bin Qu, Mingwei Zhao, Yaopeng Zhang, Shuguang Yang, Yaozu Liao

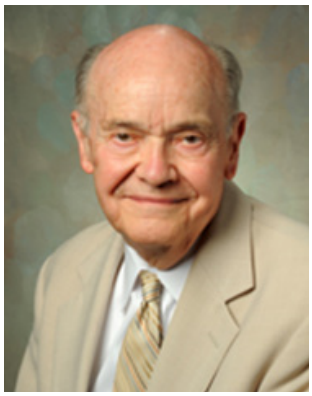
Agenda of QIAN Baojun Fiber Award Ceremony

Date: Wednesday, November 20, 2019

10:05-10:10	Video collections for 65 Years Achievements of College of Materials Science and Engineering, Donghua University
10:10-10:15	Introduction of Prof. QIAN Baojun and QIAN Baojun Fiber Award
10:15-10:25	Announcement of Young Scholar Award winners
10:25-10:30	Announcement of Distinguished Achievement Award winner

Distinguished Achievement Award (杰出贡献奖)

Award Winner Details (获奖人信息)



Name: *Darrell H. Reneker*
Date of Birth: *December, 1929*
Position: *Distinguished Professor*
Organization: *Department of Polymer Science, University of Akron*
Address: *Goodyear Polymer Center, Akron, Ohio 44325 USA.*
Telephone: *330-972-6949*
Email: *reneker@uakron.edu*

Biography(个人简介)

Dr. Reneker, who will turn to the age of 90 later this year, has been well recognized for his highly productive career. He received his B.S. degree from Iowa State University in 1951, and his Ph.D. degree from University of Chicago in 1959. He started his career at the Dupont Company. In 1969 he joined the National Institutes of Standards and Technology (NIST) and became manager of the Center for Materials Science. He used to serve as Executive Secretary of the Committee on Materials of the White House Science Office. He joined the faculty of The University of Akron as Professor of Polymer Science in 1989 and has position of distinguished professor for many years. Dr. Reneker has been regarded as a pioneer in the electrospinning technique, especially for the fabrication of nanofibers. His representative paper (title: Nanometre diameter fibres of polymer, produced by electrospinning. Nanotechnology 1996, 7, 216-223) initiated the study of electrospinning for nanofiber. This technique has been significantly impacted the fiber science/industry, as well as the progress of the broadly defined polymer science and technology. With his numerous publications and patents, and extensive fundamental research, many fiber technological developments and industrial products were discovered based on his electrospinning technology.

Reneker 博士，1929 年出生。他于 1951 年获得爱荷华州立大学理学学士学位，1959 年获得芝加哥大学博士学位。他的职业生涯始于杜邦公司。1969 年加入了美国国家标准技术研究院，成为材料科学中心的经理。他还曾担任美国白宫科学处材料委员会执行秘书。1989 年加入美国阿克伦大学，任高分子科学教授，并长期担任杰出教授。Reneker 博士被认为是静电纺丝技术的先驱，特别是在纳米纤维制造方面。其代表性论文（标题：通过静电纺丝技术制备聚合物纳米纤维，纳米技术 1996，7，216-223）开创了静电纺丝纳米纤维研究先河。该技术已极大地影响了纤维科学和工业以及聚合物科学技术的进步。Reneker 博士拥有众多出版物和专利，其开发的静电纺丝方法对当代纤维技术和工业产品的发展做出了突出贡献。

Distinguished Achievement Award Conferred Reason:

For his pioneering work in the electrospinning technique, especially for the fabrication of nanofibers.
杰出贡献奖获奖理由：在静电纺丝技术特别是利用该技术制备纳米纤维方面做出的开拓性工作。

Young Scholar Award (青年学者奖)

Award Winner Details (获奖人信息)

Name: *Huisheng Peng*
Date of Birth: *July, 1976*
Position: *Professor*
Organization: *Dept. of Polymer Science, Fudan University*
Address: *No 220, Handan Road, Yangpu, Shanghai, China*
Telephone: *021-51630316*
Email: *penghs@fudan.edu.cn*

Biography(个人简介)

Prof. Huisheng Peng received his BEng in Polymer Materials from Donghua University in China in 1999, MSc in Polymer Science from Fudan University in China in 2003 and PhD in Chemical Engineering from Tulane University in USA in 2006. He worked at Los Alamos National Laboratory, US Department of Energy, from 2006 to 2008. He has been appointed as a Professor at the Department of Macromolecular Science and Laboratory of Advanced Materials at Fudan University since 2008 and become a Changjiang Chair Professor since 2014. He starts and centers on the new direction of fiber electronics. He and co-workers have invented a new family of fiber-shaped energy harvesting devices including perovskite solar cells and fluidic generators, fiber-shaped energy storage devices including lithium-ion batteries, lithium-sulfur batteries and metal-air batteries, fiber-shaped light-emitting devices and fiber-shaped sensors. Professor Peng has published over 240 peer-reviewed papers and 4 books. He obtains 70 issued patents with 41 royally transferred to the industry for commercialization.

彭慧胜教授于 1999 年获得东华大学高分子材料学士学位，2003 年获得复旦大学高分子科学理学硕士学位，2006 年获得美国杜兰大学化学工程博士学位。2006-2008 年他曾在美国洛斯阿拉莫斯国家实验室工作。自 2008 年以来，他被任命为复旦大学高分子科学系和先进材料实验室教授。2014 年起担任长江讲席教授。他主要聚焦纤维电子学研究。他开拓了一系列新的纤维状能量捕获装置，包括钙钛矿太阳能电池和流体发生器；纤维状能量存储装置，包括锂离子电池，锂硫电池和金属空气电池；发光器件和纤维状传感器。彭教授已发表了 240 多篇同行评审论文和 4 本专著，获得了 70 项授权专利，其中 41 项已通过了商业转化。

Young Scholar Award Conferred Reason:

For his fundamental works of fiber-shaped energy harvesting devices.
青年学者奖获奖理由：在纤维状能源捕获器件领域做出的奠基性工作。

Young Scholar Award (青年学者奖)

Award Winner Details (获奖人信息)

Name: *Il-Doo Kim*
Date of Birth: *September, 1974*
Position: *Professor*
Organization: *Dept. of Materials Science and Engineering, KAIST*
Address: *291 Daehak-ro, Yuseong-gu, Daejeon, Rep. of Korea*
Telephone: *82-42-350-3329*
Email: *idkim@kaist.ac.kr*

Biography(个人简介)

Il-Doo Kim is Professor of Department of Materials Science and Engineering and Head of the Advanced Nanomaterials and Energy Laboratory at the Korea Advanced Institute of Science and Technology (KAIST), and the Director of Advanced Nanosensor Research (ANR) Center for KAIST Institute. Prof. Kim currently serves as an Associate Editor of the ACS Nano. He is a member of Young Korea Academy Science and Technology (YKAST). He obtained his Ph.D. at KAIST in 2002 in the field of dielectric & ferroelectric thin films and experienced the postdoctoral research at Massachusetts Institute of Technology (MIT) with Prof. Harry L. Tuller. He returned to Korea Institute of Science and Technology (KIST) as a senior research scientist. In Feb. 2011, Prof. Kim joined the Department of Materials Science & Engineering of KAIST as an assistant professor, and he has been promoted to an associate professor and full professor in 2013 and 2018, respectively. He was a visiting scholar in Prof. Reginald M. Penner's group at the Department of Chemistry at UC Irvine in 2017. Prof. Il-Doo Kim's research group is focused on novel synthesis of various inorganic nanomaterials optimized for application in ultra-sensitive chemical sensors and high performance storage devices. His research works aim at developing new synthetic methods that rely on a modified electrospinning method to produce unique nanobuilding blocks such as highly porous nanofibers and open tubular structures. In addition, we rationally design multi-dimensional catalyst-functionalized nanofibers, i.e., oxide, nitride, and sulfide materials, as cost-effective and highly efficient nano-catalysts. Up to date, Prof. Kim has published over 274 articles, 5 book chapters, and holds 208 international patents. Moreover, a number of patents related to nanofiber synthesis and applications have been successfully licensed to 8 companies.

Il-Doo Kim 是韩国科学技术研究院（KAIST）材料科学与工程系教授、先进纳米材料与能源实验室负责人以及先进纳米传感器研究（ANR）中心主任，韩国青年科学技术研究院（YKAST）的成员，ACS Nano 副编辑。他于 2002 年在 KAIST 获得博士学位，曾在美国麻省理工学院 Harry L. Tuller 教授课题组从事博士后研究，之后回到 KIST 担任高级研究科学家。2011 年 2 月加入 KAIST 材料科学与工程系担任助理教授，2013 年和 2018 年分别晋升为副教授和正式教授。2017 年在加州大学欧文分校化学系 Reginald M. Penner 教授课题组担任访问学者。Il-Doo Kim 教授课题组专注于各种无机纳米材料的新型合成，主要用于超灵敏化学传感器和高性能存储设备。其研究工作旨在开发新的合成方法，主要依赖于改良的电纺丝技术来生产独特的纳米结构单元，例如高度多孔的纳米纤维和开放的管状结构。另外，通过合理地设计多维催化剂功能化纳米纤维，即氧化物，氮化物和硫化物材料，发展了一系列具有成本效益和高效的纳米催化剂。迄今为止，金教授已发表了 274 篇论文，5 篇专著，并拥有 208 项国际专利。此外，纳米纤维合成和应用相关的许多专利已成功授权给 8 家公司。

Young Scholar Award Conferred Reason:

For his excellent works of multi-component ceramic nanofibers.
青年学者奖获奖理由：在多组分无机陶瓷纳米纤维领域做出的卓越研究工作。

Academic Committee

Chairmen

Elsa REICHMANIS
Georgia Institute of Technology

Xi ZHANG
Jilin University

Members

Hans-Juergen P. ADLER	*Technical University of Dresden, Germany*
Zhenan BAO	*Stanford University, United States of America*
Ray BAUGHMAN	*University of Texas at Dallas, United States of America*
Mukerrem CAKMAK	*Purdue University, United States of America*
Tien Kiang CHANG	*São Paulo State University, Brazil*
Xiangbao CHEN	*AVIC Beijing Aeronautical Materials Research Institute, China*
Zhongwei CHEN	*University of Waterloo, Canada*
Stephen Z.D. CHENG	*The University of Akron, United States of America*
Samuel CHIGOME	*Botswana Institute for Technology Research and Innovation, Botswana*
Yi CUI	*Stanford University, United States of America*
Kuiling DING	*Shanghai Institute of Organic Chemistry, CAS, China*
Jintu FAN	*Hong Kong Polytechnic University, Hong Kong, China*
Shaoli FANG	*University of Texas at Dallas, United States of America*
Charl F. J. FAUL	*University of Bristol, United Kingdom*
Robert B. GRUBBS	*Stony Brook University, United States of America*
Robert H. GRUBBS	*California Institute of Technology, United States of America*
Bhuvanesh GUPTA	*Indian Institute of Technology, India*
Jiecai HAN	*Harbin Institute of Technology, China*
Kazutoshi HARAGUCHI	*Nihon University, Japan*

Frank HARRIS	*The University of Akron, United States of America*
Mingyuan HE	*East China Normal University, China*
Chris HOLLAND	*University of Sheffield, United Kingdom*
Benjamin S. HSIAO	*Stony Brook University, United States of America*
Liangbing HU	*University of Maryland, United States of America*
Bányai ISTVÁN	*Unversity of Debrecen , Hungary*
Xigao JIAN	*Dalian University of Technology, China*
Dongliang JIANG	*Shanghai Institute of Ceramics, CAS, China*
Hiroshi JINNAI	*Tohoku University, Japan*
David KAPLAN	*Tufts University, United States of America*
Takeshi KIKUTANI	*Tokyo Institute of Technology, Japan*
Dirk KUCKLING	*University of Paderborn, Germany*
Alan Kin Tak LAU	*Swinburne University of Technology, Australia*
Ju LI	*Massachusetts Institute of Technology, United States of America*
Changsheng LIU	*East China University of Science and Technology, China*
Xiangyang LIU	*National University of Singapore, Singapore*
BernardLOTZ	*Institute Charles Sadron, France*
Shyh-Chyang LUO	*National Taiwan University, Taiwan, China*
Tobin MARKS	*Northwestern University, United States of America*
Sergiy MINKO	*University of Georgia, United States of America*
Ana Leite OLIVEIRA	*Portuguese Catholic University, Portugal*
Qibing PEI	*University of California, Los Angeles, United States of America*
Rachela POPOVTZER	*Bar-Ilan University, Israel*
Greg QIAO	*University of Melbourne, Australia*
Jinping QU	*South China University of Technology, China*
Seeram RAMAKRISHNA	*National University of Singapore, Singapore*
Sanjay RASTOGI	*Loughborough University, United Kingdom*
Richard A. REGISTER	*Princeton University, United States of America*
Elsa REICHMANIS	*Georgia University of Technology, United States of America*
Günter REITER	*University of Freiburg, Germany*
Zhengzhong SHAO	*Fudan University, China*
Daniel SÖDERBERG	*KTH Royal Institute of Technology, Sweden*
Fabien SORIN	*Ecole Polytechnique Fédérlae de Lausanne, Switzerland*
Gang SUN	*University of California-Davis, United States of America*
Jinliang SUN	*Shanghai University, China*
Patrick THEATO	*Universität Hamburg, Germany*
G. Julius VANCSO	*University of Twente, Netherlands*
Brigitte VOIT	*Leibniz Institute of Polymers, Germany*
Xungai WANG	*Deakin University, Australia*
Jiarui XU	*Sun Yat-Sen University, China*
Jen-Ming YANG	*Chang Gung University, Taiwan, China*
Yiqi YANG	*University of Nebraska-Lincoln, United States of America*
Jie YIN	*Shanghai University of Science and Technology, China*
Dapeng YU	*Peking University, China*
Jianyong YU	*Donghua University, China*
Muhuo YU	*Donghua University, China*
Xi ZHANG	*Jilin University, China*
Xiangwu ZHANG	*North Carolina State University, United States of America*
Meifang ZHU	*Donghua University, China*
Shiyu ZHU	*Nanjing University, China*

Organizing Committee

Chairperson

Meifang ZHU

Local Members

Rong DAI
Mingli DING
Dongsheng HUANG
Yaozu LIAO
Tianxi LIU
Jinghong MA
Yuening TANG
Hongzhi WANG
Le WANG
Ru XIAO
Jun YAN
Lingping YAN
Shuguang YANG
Yihong YE
Zhengwei YOU
Junrong YU
Muhuo YU
Qinghua ZHANG
Yaopeng ZHANG
Mingwei ZHAO
Wanwan ZHOU

Session Chairs (With Mobile Number)

Session A:

High-Performance Fibers and Composites

Alan Kin Tak LAU, Muhuo YU, Qinghua ZHANG, Xin ZHAO

Anqi JU +86-18801914546 anqiju@dhu.edu.cn

Session B:

Chemistry and Physics in Fibers and Textiles

Gang SUN, Zhengguo CAI, Changhuai YE

Weiwei ZUO +86-18521395152 zuoweiwei@dhu.edu.cn

Session C:

Nano-Technologies in Fibers and Polymers

Charl FJ FAU, Xianfeng WANG, Le WANG

Yaozu LIAO +86-13127718931 yzliao@dhu.edu.cn

Session D:

Smart Fibers, Textile and Wearable Intelligent Device

Shaoli FANG, Hongzhi WANG, Gang WANG

Chengyi HOU +86-18930628776 hcy@dhu.edu.cn

Session E:

Fibers and Polymers for Medical Applications

Joao RODRIGUES, Xiumei MO, Xiangyang SHI, Zhigang CHEN

Zhengwei YOU +86-18516195158 zyou@dhu.edu.cn

Session F:

Environmentally Friendly Fibers and Polymers

Daniel SÖDERBERG, Samuel CHIGOME, Yaopeng ZHANG

Shiyan CHEN +86-13671542247 chensy@dhu.edu.cn

Session G:

Fibers and Polymers for Energy Applications

Xiangwu ZHANG, Shengyuan YANG, Jianping YANG

Chao ZHANG +86-13524629906 czhang@dhu.edu.cn

Session H:

Fibers and Polymers for Information Technology

Fabien SORIN, Lei WEI, Guangming TAO, Bo SHEN

Shuguang YANG +86-18801730295 shgyang@dhu.edu.cn

Session I:

New Era Engineering Education

Meifang ZHU, Shenmin ZHU, Jinghong MA, Wenhua WU

Yanping WANG +86-13916994898 wyp@dhu.edu.cn

Session J:

Development of Fiber Industry

Songlin WANG, Huaping WANG, Long CHEN

Hengxue XIANG +86-18817330623 hengxuexiang@dhu.edu.cn

Secretary General

Yaopeng ZHANG

Deputy Secretary General

Yaozu LIAO

Le WANG

Zhengwei YOU

Secretary

Liyun CHEN

Shiyan CHEN

Qingbao GUAN

Lili LI

Bin SUN

Yanping WANG

Jia WU

Xi XING

Miaomiao YU

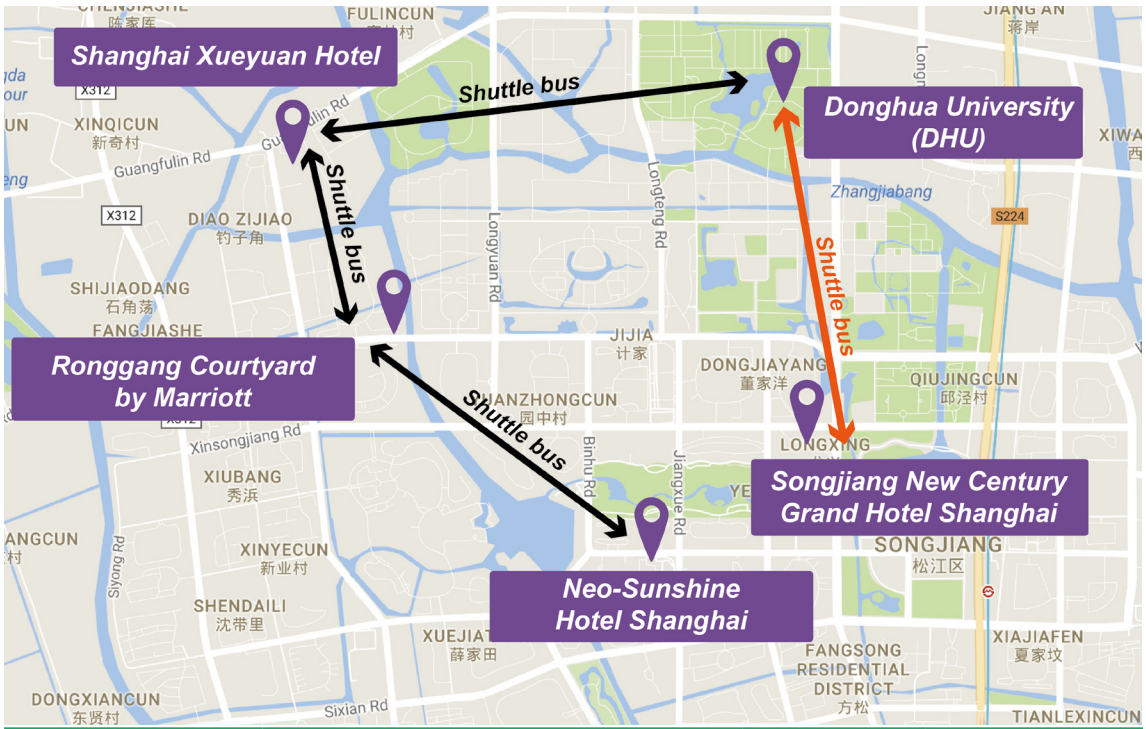
Fatemeh ZABIHI

Yu ZHAO

Qi ZHENG

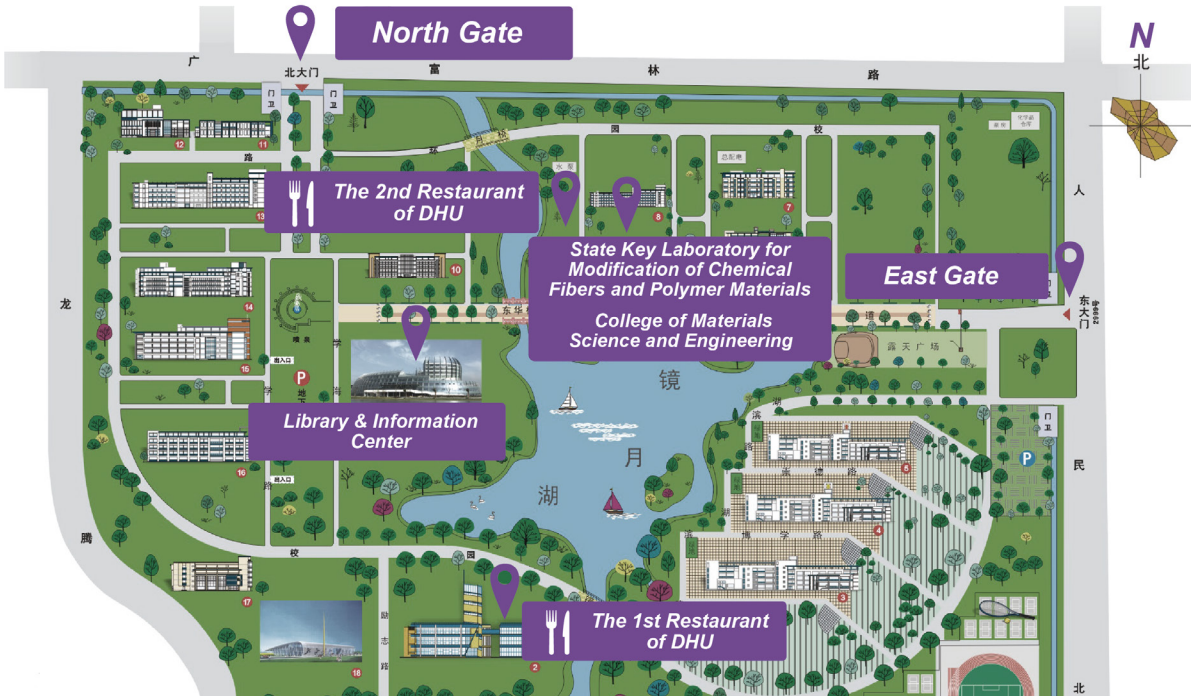
Chenjia ZHU

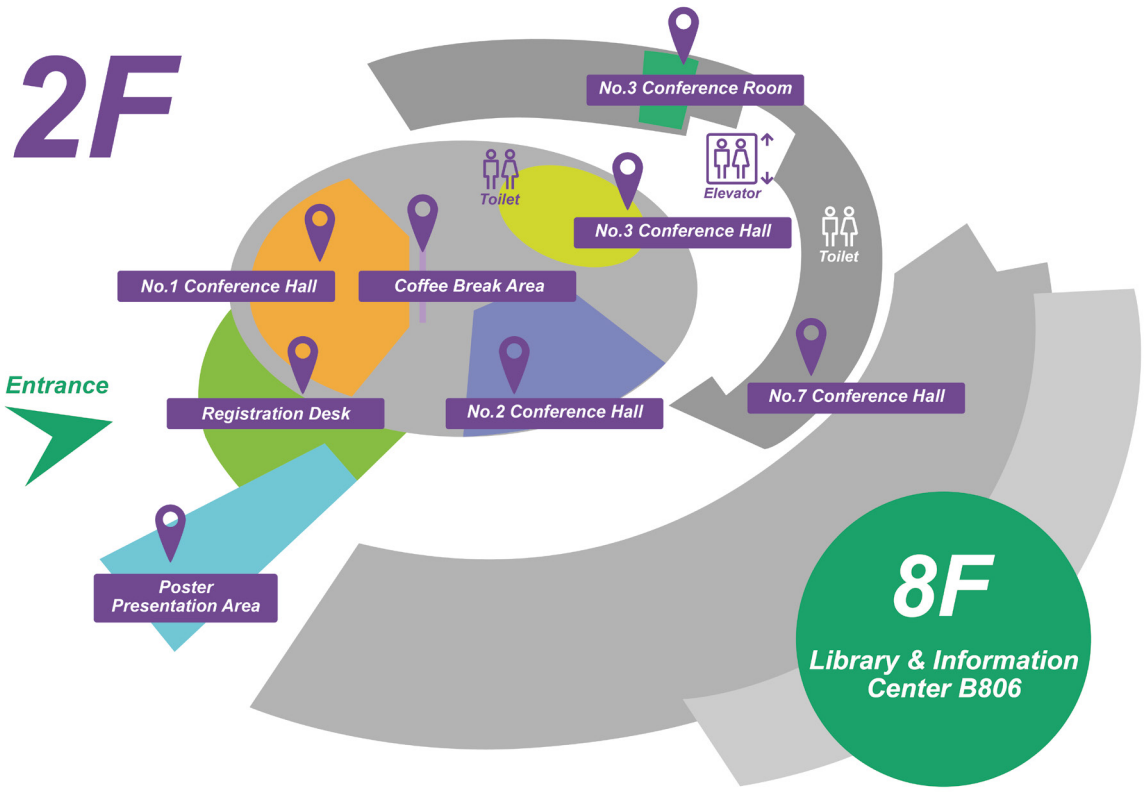
Accommodation & Shuttle Bus Service



		From		To
Nov.20	Morning	Songjiang New Century Grand Hotel Shanghai	07:45/08:00	Library & Information Center
		Neo-Sunshine Hotel Shanghai	07:40	
		Courtyard by Marriott Shanghai	07:45	
		Xueyuan Hotel Shanghai	07:55	
	Afternoon	Library & Information Center	18:10	Banquet 20:45 Back to Hotel
Nov.21	Morning	Songjiang New Century Grand Hotel Shanghai	07:30	Library & Information Center
		Neo-Sunshine Hotel Shanghai	07:30	
		Courtyard by Marriott Shanghai	07:35	
		Xueyuan Hotel Shanghai	07:40	
	Afternoon	Library & Information Center	18:30/19:15	Back to Hotel
Nov.22	Morning	Songjiang New Century Grand Hotel Shanghai	07:45/08:00	Library & Information Center
		Neo-Sunshine Hotel Shanghai	07:40	
		Courtyard by Marriott Shanghai	07:45	
		Xueyuan Hotel Shanghai	07:55	
	Afternoon	Library & Information Center	13:00	Back to Hotel

The Map
of Conference Venue Songjiang Campus of Donghua University





Information for Poster Presenters

Poster Requirement

The poster should be 105 cm high and 80 cm wide.

Poster Location

The lobby of Library and Information Center of Donghua University.

Posting Arrangement

The presenters should mount the posters by themselves at 9:00-13:00, Nov 20th, 2019. Relevant tools will be provided on site. The presenters should withdraw the posters at 12:00-14:00, Nov 22nd, 2019.

Poster Presentation & Award

A poster presentation is a visual display and an extremely useful. During the poster session at 12:45-14:15 on Nov 21, 2019, all the authors are asked to be alongside their poster. The Poster Session time is marked as an opportunity for delegates to approach the authors of the poster and ask questions or discuss any information displayed. The "Excellent Poster Award" will be announced in the closing ceremony.

Lunch and Dinner

Nov. 19 Dinner & Nov. 21 Dinner

1st Restaurant & 2nd Restaurant of Donghua University 一食堂 & 二食堂

Nov. 20 Lunch (12:00-12:45)

1st Restaurant of Donghua University 一食堂

Nov. 20 Banquet of ICAFPM (18:30-20:30)

Songjiang New Century Grand Hotel Shanghai 开元名都大酒店 4 楼开元厅

Nov. 21 Lunch (12:00-12:45)

1st Restaurant of Donghua University 一食堂

Nov. 22 Lunch (11:30-12:30)

1st Restaurant of Donghua University 一食堂

Program Overview

Registration-1: Nov. 19 2019 - Nov. 22 2019 @ Library & Information Center of DHU
注册地点：2019 年 11 月 19-22 日，东华大学图文信息中心 2 楼大厅
Registration-2: 12:00-20:00, Nov. 19 2019 @ Songjiang New Century Grand Hotel Shanghai
注册地点：2019 年 11 月 19 日，12：00-20：00，上海松江开元名都大酒店 2 楼大堂

Nov. 20 2019		No. 1 Conference Hall （第一报告厅）					
	08:30-08:45	Opening Ceremony （开幕式）					
	08:45-09:45	Plenary Lecture （大会报告）					
	09:45-10:05	Group Photo & Coffee Break （合影 & 茶歇）					
	10:05-10:35	QIAN Baojun Fiber Award Ceremony （钱宝钧纤维材料奖颁奖典礼）					
	10:35-12:00	Award Lecture / Plenary Lecture （大会报告）					
		No: 1 Conference Hall （第一报告厅）	No.2 Conference Hall （第二报告厅）	No. 3 Conference Hall （第三报告厅）	No. 3 Conference Room （第三会议室）	No. 7 Conference Room （第七会议室）	Library & Information Center B806 （B806 室）
	13:00-15:20	C	E	I	D	A	B
	15:20-15:40	Coffee Break （茶歇）					
	15:40-18:00	C	E	I	D	A	B
	18:40-20:30	Banquet （晚宴）					
Nov. 21 2019	08:00-09:50	C	E	J	D	A	G
	09:50-10:10	Coffee Break （茶歇）					
	10:10-12:00	C	E	J	D	F	G
	12:00-12:45	Lunch （午餐）					
	12:45-14:15	Poster Presentation （墙报展示）					
	14:15-16:00	C	111Project/E	J	H	F	G
	16:00-16:10	Coffee Break （茶歇）					
	16:10-18:15	C	E	Meet Editor	H	F	G
Nov. 22 2019		No. 1 Conference Hall （第一报告厅）					
	08:30-10:10	Plenary Lecture （大会报告）					
	10:10-10:20	Coffee Break （茶歇）					
	10:30-11:30	Plenary Lecture （大会报告）					
	11:30-12:00	Closing Ceremony （闭幕式）					

Plenary Session

Morning

Nov. 20 — Venue: No. 1 Conference Hall

08:30-08:45	Opening Ceremony		
Plenary Lecture *Moderator: Benjamin S. Hsiao*			
08:45-09:15	Ray Baughman	Sheath-Run Artificial Muscles and Their Use for Robotics, Environmental Energy Harvesters, Comfort Adjusting Textiles, and Electricity Generation	University of Texas at Dallas
Plenary Lecture *Moderator: Alan Kin Tak Lau*			
09:15-09:45	Charl F.J. Faul	Electroactive Polymeric Materials – from Supramolecular Polymers to 3D Networks	University of Bristol
Group Photo & Coffee Break 20 min			
10:05-10:35	QIAN Baojun Fiber Award Ceremony		
Distinguished Acheivement Lecture *Moderator: Stephen Z.D. Cheng*			
10:35-11:00	Darrell H. Reneker	Inside nanofibers toward Nanoware devices	The University of Akron
Plenary Lecture *Moderator: Xungai Wang*			
11:00-11:30	Hiroshi Kitagawa	Solid-state protonic in Coordination Polymers	The University of Kyoto
Plenary Lecture *Moderator: Deyue Yan*			
11:30-12:00	Jianyong Yu	Functional Nanofibrous Materials	Donghua University

Plenary Session

Morning

Nov. 22

Venue: No. 1 Conference Hall

Plenary Lecture *Moderator: Junhao Chu*			
8:30-9:10	Zhongfan Liu	Graphene Materials: Synthesis Determines the Future	Peking University
Plenary Lecture *Moderator: Hans-Juergen P. Adler*			
9:10-9:40	Philippe Poulin	Wet-Spun Nanocomposite Fibers	CNRS Bordeaux
Plenary Lecture *Moderator: Yiqi Yang*			
9:40-10:10	Jaehwan Kim	Environmental-friendly, strong and tough long-fiber fabrication by using nanocellulose	Inha University
Coffee Break 20 min			
Plenary Lecture *Moderator: Xiangwu Zhang*			
10:30-11:00	Brigitte Voit	Polymers designed for flexible and opto-electronics	Leibniz Institute of Polymer Research Dresden
Plenary Lecture *Moderator: Bhuvanesh Gupta*			
11:00-11:30	Gang Sun	Biological and Chemical Sensors Made from Microporous and Nanofibrous Membranes	University of California, Davis
11:30-12:00	Closing Ceremony		

Parallel Session

Nov. 20 Afternoon

Venue: No. 1 Conference Hall

Session C Nano-Technologies in Fibers and Polymers
Moderator: Fan Zhang, Xin Zhao

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Xin Zhao	Two-dimensional covalent organic frameworks with hierarchical porosities	Shanghai Institute of Organic Chemistry, CAS
13:25-13:45	Invited	Yingjie Zhao	Two-dimensional polymers: next generation of polymers	Qingdao University of Science and Technology
13:45-14:00	Oral	Song Wang	Morphology design of covalent organic frameworks	Zhejiang University
14:00-14:25	Keynote	Fan Zhang	Semiconducting 2D vinylene-linked covalent organic framework nanofibers	Shanghai Jiao Tong University
14:25-14:45	Invited	Jia Guo	Design of porous organic polymers with structure-enhanced photothermal conversion performance	Fudan University
14:45-15:05	Invited	Yaozu Liao	Electro-optically switchable conjugated microporous polymers for environmental and green energy applications	Donghua University
15:05-15:20	Oral	Wei Lyu	Flexible fiber-shaped supercapacitors with excellent energy density based on carbon nanotubes/conjugated microporous polymer networks	Donghua University

Coffee Break 15 min

Session C Nano-Technologies in Fibers and Polymers
Moderator: Xiangwu Zhang, Il-Doo Kim

15:35-16:00	Keynote	Il-Doo Kim	1D materials sensors amd energy storages	Korea Advanced Institute of Science and Technology
16:00-16:20	Invited	Honghan Fei	Functionalization of metal-organic frameworks for broadband white-light emission and chemical CO_2 fixation	Tongji University
16:20-16:40	Invited	Pingwei Liu	Archimedean spiral fibers with continuous two-dimensional inclusions	Zhejiang University
16:40-17:00	invited	Addie Bahi	Nanofibres for the environment: transitioning toward sustainability	The University of British Columbia
17:00-17:25	Keynote	Xiangwu Zhang	Nanofibrous energy storage materials and laser ultrasound transducers	North Carolina State University
17:25-17:45	Invited	Jian Fang	Functional fibrous structures for mechanical energy harvesting	Soochow University
17:45-18:05	Invited	Hao Bai	Bioinspired smart materials with multiscale architecture and multifunctionality	Zhejiang University

Parallel Session

Nov. 20 Afternoon

Venue: No. 2 Conference Hall

Session E Fibers and Polymers for Medical Applications
Moderator: Joao Rodrigues, Xiangyang Shi

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Lu Wang	Braided stents for aortic and peripheral artery diseases	Donghua University
13:25-13:45	Invited	Jidong Li	Electrospun a composite fibrous membrane for guided bone regeneration	Sichuan University
13:45-14:05	Invited	Wenguo Cui	Hydrogel electrospun fibrous scaffolds for tissue regeneration	Shanghai Jiao Tong University
14:05-14:30	Keynote	Xiaohong Li	Electrospun fibrous scaffolds for in vitro drug screening and biosensing	Southwest Jiaotong University
14:30-14:50	Invited	Xiumei Mo	Electrospun 3D nanofiber for tissue engineering	Donghua University
14:50-15:05	Oral	Dong Lei	3D printing of biomimetic vasculature for tissue regeneration	Donghua University
15:05-15:20	Oral	Atta ur Rehman Khan	Physico-chemical and biological evaluation of plcl/sf nanofibers loaded with oregano essential oil	Donghua University

Coffee Break 15 min

Session E Fibers and Polymers for Medical Applications
Moderator: Bhuvanesh Gupta, Lu Wang

15:35-16:00	Keynote	Bhuvanesh Gupta	Functional nanogels in the fascinating world of bioengineering	Indian Institute of Technology
16:00-16:20	Invited	Xiangyang Shi	Design of dendrimer-based CT/MR contrast agent for hypoxic tumor precision imaging and sensitized radiotherapy	Donghua University
16:20-16:40	Invited	Kui Luo	Tumor microenvironment-responsive dendritic polymers-based nano-agents for cancer treatment	Sichuan University
16:40-17:00	Invited	Joao Rodrigues	Metallodendrimers - a route for new anticancer candidates	Universidade da Madeira
17:00-17:20	Invited	Zhigang Chen	Inorganic-organic nanocomposites for the imaging and therapy of tumors	Donghua University
17:20-17:35	Oral	Jia Tian	Construction and biomedical applications of well-defined porphyrin-based polymers with specific structures	East China University of Science and Technology
17:35-17:50	Oral	Jifu Mao	Multi-biofunctional surface constructed by flexible and conductive polypyrrole membranes and functional particles	Donghua University
17:50-18:05	Oral	Xueyan Cao	Adoptive cellular immunotherapy of tumors via effective cpg delivery to dendritic cells using dendrimer-entrapped gold nanoparticles as a gene vector	Donghua University

Parallel Session

Nov. 20 Afternoon

Venue: No. 3 Conference Hall

Session I New Era Engineering Education
Moderator: **朱申敏、马敬红**

Time	*Type*	*Speaker*	*Title*	*Affiliation*
13:00-13:30	Invited	朱申敏	上海交大构建材料创新人才培养体系的探索与实践	上海交通大学
13:30-14:00	Invited	江学良	基于"五个结合"的地方高校材料类专业拔尖创新人才培养模式的改革与实践	武汉工程大学
14:00-14:30	Invited	王燕萍	以专业认证为抓手，聚焦专业内涵建设	东华大学
14:30-15:00	Invited	魏丽乔	团队——科研育人的沃土	太原理工大学
15:00-15:30	Invited	王　婧	智慧平台助力金课建设的思考与实践案例	化学工业出版社

Coffee Break　10 min

Session I New Era Engineering Education
Moderator: **朱美芳**

15:40-17:40	Keynote	郑　强	浅谈当前大学教育的若干热点问题	浙江大学

Parallel Session

Nov. 20 Afternoon

Venue: No. 3 Conference Room

Session D Smart Fibers, Textile and Wearable Intelligent Device

Moderator: Shaoli Fang, Qingbao Guan

Time	*Type*	*Speaker*	*Title*	*Affiliation*
13:00-13:25	Keynote	Qunfeng Cheng	Bioinspired graphene-based nanocomposites	Beijing University of Aeronautics and Astronautics
13:25-13:50	Keynote	Yongxiao Bai	Structural regulation of graphene for fiber composite materials	Lanzhou University
13:50-14:10	Invited	Zunfeng Liu	Deformable structures for flexible smart materials	Nankai University
14:10-14:30	Invited	Chengyi Hou	Smart clothing materials	Donghua University
14:30-14:50	Invited	Nannan Zhang	Hybrid energy fabric based on fiber electrodes for wearable electronics	Chongqing University
14:50-15:05	Oral	Yuliang Xia	Electrospun core-shell nanofiber with electric triggered shape memory behavior	Harbin Institute of Technology
15:05-15:20	Oral	Luzhi Zhang	A highly efficient self-healing, super tough elastomer for stretchable devices	Donghua University

Coffee Break 20 min

Session D Smart Fibers, Textile and Wearable Intelligent Device

Moderator: Gang Wang

15:40-16:05	Keynote	Xiangyang Liu	Silk flexible electronics: meso-construction of biocompatible silk-hybrid materials to acquire extraordinary performance and smart sensing	National University of Singapore, Xiamen University
16:05-16:25	Invited	Yongyi Zhang	The fabrication and functional applications of high performance carbon nanotube fiber	Suzhou Institute of Nano-Tech and Nano-Bionics, CAS
16:25-16:45	Invited	Qingsong Zhang	Biomimetic thermo-responsive fibrous hydrogels: highly mechanical strength and ultra-fast response underwater	Tiangong University
16:45-17:05	Invited	Yun Su	Intelligent bidirectional thermal regulation of phase change material incorporated in thermal protective clothing	Donghua university
17:05-17:20	Oral	Daniel Kinyanjui Macharia	Photoreversible colorswitching of rewritable smart fabrics driven by UV/NIR light	Donghua University

Parallel Session

Nov. 20 Afternoon

Venue: No. 7 Conference Room

Session A High-Performance Fibers and Composites
Moderator: Alan Kin Tak Lau

Time	Type	Speaker	Title	Affiliation
13:00-13:25	Keynote	Jinsong Leng	Programmable shape memory polymer composites and 4D printing: from materials, structures to applications	Harbin Institute of Technology
13:25-13:50	Keynote	Junrong Yu	Effect of solution concentration on tensile and creep behavior of gel-spun uhmwpe fibers	Donghua University
13:50-14:10	Invited	Xiangqian Li	The need for improvement of current composites testing standards for engineering application	AECC Commercial Aircraft Engine Co. LTD
14:10-14:30	Invited	Kun Fu	Ultra-fast, energy-efficient, and mechanically robust nano-welding by localized electrothermal shock towards hybrid nano/macroscale fiber composite manufacturing	University of Delaware
14:30-14:50	Invited	Yitao Liu	Interface-engineered nanofibrous heterojunctions as high-efficiency electrocatalysts toward ambient ammonia synthesis	Donghua University
14:50-15:05	Oral	Mengjiao Cheng	Macroscopic interfaical supramolecular assembly	Beijing University of Chemical Technology
15:05-15:20	Oral	Qingbao Guan	In situ nanofiber-reinforced molecular composites	Donghua University

Coffee Break 10 min

Session A High-Performance Fibers and Composites
Moderator: Jinsong Leng

15:30-15:55	Keynote	Alan Kin Tak Lau	Recent research development in fibre reinforced polymer composites for engineering applications	Swinburne University of Technology
15:55-16:20	Keynote	Liqun Zhang /Fanzhu Li	High performance fiber/rubber composites for engineering application	Beijing University of Chemical Technology
16:20-16:40	Invited	Guozhang Wu	Thermoplastics reinforced by self-welded short carbon fibers: a nanoparticle-promoted structure evolution	East China University of Science and Technology
16:40-17:00	Invited	Yong Zhang	Preparation of thermally conductive silicone rubber composites	Shanghai Jiao Tong University
17:00-17:20	Invited	Juan Guan	Natural silk reinforced epoxy resin composites: design, fabrication and mechanical properties	Beihang University
17:20-17:35	Oral	Jie Dong	Large-scale preparation and application of high performance polyimide fiber	Donghua University
17:35-17:50	Oral	Lianying Liu	Multi-scale modification of carbon fiber by in-situ growth of clickable polymer micro-/nano-particles	Beijing University of Chemical Technology
17:50-18:05	Oral	Dan Pan	Tuning the interfacial property of fiber reinforcement composite by constructing 3D structure on fiber surface	Donghua University

Parallel Session

Nov. 20 Afternoon

Venue: Library & Information Center B806

Session B Chemistry and Physics in Fibers and Textiles

Moderator: Bernard Lotz, Mingqiu Zhang

Time	*Type*	*Speaker*	*Title*	*Affiliation*
13:00-13:25	Keynote	Mingqiu Zhang	Self-healing polymeric materials: design, preparation and characterization	Sun Yat-sen University
13:25-13:50	Keynote	István Bányai	Unusual NMR methods for advanced fibers and polymers	University of Debrecen
13:50-14:15	Keynote	Hiroshi Jinnai	Dynamical characterizations of organic-inorganic interface in nano-composite materials using advanced electron microscopy	Tohoku University
14:15-14:35	Invited	Masayuki Takatera	Important subjects on prediction of fabric properties from yarn and fabric structure	Shinshu University
14:35-14:55	Invited	Yuetao Zhang	Ultra-high-molecular-weight polymers produced by the “immortal” phosphine-based "frustrated lewis pair" catalyst system	Jilin University
14:55-15:15	Invited	Zhengwei You	Biomimetic materials with multiple protective functionalities	Donghua University
15:15-15:30	Oral	Yueming Wu	Moisture insensitive and superfast ring opening polymerization of N-carboxyanhydrides	East China University of Science and Technology

Coffee Break 20 min

Session B Chemistry and Physics in Fibers and Textiles

Moderator: Dirk Kuckling, Yuetao Zhang

15:50-16:15	Keynote	Bernard Lotz	Pleated and rippled sheets of polyamides: The “high temperature” alpha phases of nylons:A structural scheme for the Brill transition.	CNRS and Université de Strasbourg
16:15-16:40	Keynote	Dirk Kuckling	Light-triggered degradation in aliphatic poly(carbonate)s via intramolecular cyclization	Paderborn University, University of Muenster,
16:40-17:00	Invited	Jing Wu	Biobased and biodegradable polycondensates from isohexide building blocks	Donghua University
17:00-17:15	Oral	Liu Yang	Measurement of fabric shear in drape taking into account three-dimensional deformation of grainlines	Shinshu University

Parallel Session

Nov. 21 Morning

Venue: No. 1 Conference Hall

Session C Nano-Technologies in Fibers and Polymers
Moderator: Hans-Juergen P. Adler

Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Yong Zhao	Multiscale nanofibers for liquid separation and catalysis application	Beihang University
8:25-8:45	Invited	Le Wang	Heterogeneous scorpionate site in MOF: Small molecule binding and activation	Donghua University
8:45-9:05	Invited	Mingwei Tian	Stretchable conductive fibers of ultrahigh tensile strain and stable conductance enabled by a worm-shaped graphene microlayer	Qingdao University
9:05-9:25	Invited	Junjie Zhao	Conformal metal-organic framework coatings on nanofibers for ultra-fast detoxification of nerve agents	Zhejiang University
9:25-9:45	Invited	Huan Liu	Fibrous controllable liquid transfer: towards high-performance thin-film devices	Beihang University

Coffee Break 15 min

Session C Nano-Technologies in Fibers and Polymers
Moderator: Yong Zhao

10:00-10:25	Keynote	Hans-Juergen P. Adler	Thin and small for the future nanolayers and nanoparticles-synthetic routes and applications	Technical University of Dresden
10:25-10:45	Invited	Hongbing Deng	Applications of nanofibers-based composite scaffolds in bone defects	Wuhan University
10:45-11:05	Invited	Kun Huang	Synthesis and application of yolk-shell structural porous polymer nanoreactors	East China Normal University
11:05-11:25	Invited	Tao Li	Interfacial design towards MOF@polymer and MOF@MOF porous composite materials	Shanghai University of Science and Technology
11:25-11:40	Oral	Abdul Wahid	Study of PS filament morphology, mechanical properties and oil sorption application	Donghua University

Parallel Session

Nov. 21 Morning

Venue: No. 2 Conference Hall

Session E Fibers and Polymers for Medical Applications
Moderator: Chuanliang Feng, Zhigang Chen

Time	*Type*	*Speaker*	*Title*	*Affiliation*
8:00-8:25	Keynote	Biqiong Chen	Exploring elastomeric biomaterials for multiple medical applications	Queen's University Belfast
8:25-8:45	Invited	Xing Zhang	Bio-inspired polymeric heart valves exhibiting valve-like mechanical and hemodynamic behavior	Institute of Metal Research, Chinese Academy of Sciences
8:45-9:05	Invited	Weian Zhang	Construction of porphyrin-containing well-defined polymers and their application in photodynamic therapy	East China University of Science and Technology
9:05-9:25	Invited	Zhengwei You	Bioelastomers, 3D printing and their diverse applications	Donghua University
9:25-9:40	Oral	Baoxiu Wang	Urethra-inspired biomimetic scaffold: A therapeutic strategy to promote angiogenesis for urethral regeneration in a rabbit model	Donghua University
9:40-9:55	Oral	Gaoquan Hu	Preparation and evaluation of mercerized bacterial nano-cellulose artificial blood vessels	Donghua University

Coffee Break 15 min

Session E Fibers and Polymers for Medical Applications
Moderator: Biqiong Chen, Zhengwei You

10:10-10:35	Keynote	Chuanliang Feng	Bioinspired chiral supramolecular hydrogels	Shanghai Jiao Tong University
10:35-10:55	Invited	Qigang Wang	The biological oxidation inspired biomedical hydrogels	Tongji University
10:55-11:15	Invited	Runhui Liu	Host defense peptide mimicking antimicrobial polymers in solution and on surfaces	East China Univeristy of Science and Technology
11:15-11:30	Oral	Yifan Guo	A biodegradable functional water-responsive shape memory polymer for biomedical applications	Donghua University
11:30-11:45	Oral	Luhan Bao	The application of air-drying BNC tubes as small-caliber artificial blood vessels	Donghua University
11:45-12:00	Oral	Shahriari Khalaji Mina	Development a multi-functional wound dressing using bacterial nanocellulose	Donghua University

Parallel Session

Nov. 21 Morning

Venue: No. 3 Conference Hall

Session J Development of Fiber Industry
Moderator: **王华平**

Time	*Type*	*Speaker*	*Title*	*Affiliation*
8:00-8:20	Invited	李 鑫	新型聚酯纤维材料的开发及应用	中国纺织科学研究院有限公司
8:20-8:40	Invited	余木火	高性能纤维及复合材料研究与应用进展	东华大学
8:40-9:00	Invited	夏延致	海洋生物多糖纤维制备应用研究及产业化进展	青岛大学
9:00-9:20	Invited	王明稳	无融缩抗氧化聚苯硫醚砜纤维的制备及其性能研究	天津工业大学
9:20-9:40	Invited	吉 鹏	高品质原液着色功能色母粒技术研究与应用进展	东华大学

Coffee Break 30 min

Session J Development of Fiber Industry
Moderator: **陈龙**

10:10-10:30	Invited	王松林	锦纶 6 产业链发展及展望	恒逸石化股份有限公司
10:30-10:50	Invited	任 杰	聚乳酸纤维（乳丝）的生产加工、应用及展望	同济大学
10:50-11:10	Invited	李发学	纤维素纤维的功能化与产业化	东华大学
11:10-11:30	Invited	李乃祥	生物可降解共聚酯的产业化进展	中国石化仪征化纤有限责任公司
11:30-11:50	Invited	叶南飙	金发先进聚酰胺材料在汽车上的应用	金发科技股份有限公司

Parallel Session

Nov. 21 Morning

Venue: No. 3 Conference Room

Session D Smart Fibers, Textile and Wearable Intelligent Device
Moderator: Junyi Zhai

Time	*Type*	*Speaker*	*Title*	*Affiliation*
8:00-8:25	Keynote	Changjun Fu	The study on no halogen fr-polyamide fibers and the composite yarns	Shanghai ANTU Flame Retardant Fiber Co., Ltd
8:25-8:50	Keynote	Shaoli Fang	The evolution of strong, fast, powerful, durable, and cheap polymer artificial muscles from carbon nanotube muescles	University of Texas at Dalllas
8:50-9:10	Invited	Yingying Zhang	Silk-based electronic fibers and textiles	Tsinghua University
9:10-9:30	Invited	Zhisong Lu	A wearable, thread/paper-based microfluidic device coupled with smartphone for sweat analysis	Southwest University
9:30-9:50	Invited	Qingbao Guan	Highly efficient self-healable triboelectric nanogenerators for wearable electronics	Donghua University

Coffee Break 20 min

Session D Smart Fibers, Textile and Wearable Intelligent Device
Moderator: Yingying Zhang

10:10-10:30	Invited	Junyi Zhai	Core–shell-yarn-based triboelectric nanogenerator textiles as power cloths	Beijing Institute of Nanoenergy and Nanosystems, CAS
10:30-10:50	Invited	Jian Zhu	Soft actuators and soft robots	National University of Singapore
10:50-11:10	Invited	Gang Wang	Shear printed semiconductor electronics for smart fabrics	Donghua University
11:10-11:25	Oral	Lijie Sun	Ionogel-based, highly stretchable, transparent, durable triboelectric nanogenerators for energy harvesting and motion sensing over a wide temperature range	Donghua University
11:25-11:50	Keynote	Seeram Ramakrishna	Next generation fibers	National University of Singapore

Parallel Session

Nov. 21 Morning

Venue: No. 7 Conference Room

Session A High-Performance Fibers and Composites
Moderator: Yong Zhang

Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Ming Tian/ Wencai Wang	Surface modification of high performance fibers and its effect on interfacial adhesion of elastomer composites	Beijing University of Chemical Technology
8:25-8:45	Invited	Anqi Ju	Preparation and application of high performance carbon fiber	Donghua University
8:45-9:05	Invited	Xiaoran Li	Nanofibrous scaffolds for tissue engineering	Donghua University
9:05-9:25	Invited	Fenghua Zhang	4D printing of programmable shape memory structures for biomedical applications	Harbin Institute of Technology
9:25-9:40	Oral	Fujun Xu	High performance, multifunctional three dimensional composite structures	Donghua University
9:40-9:55	Oral	Longbo Luo	Preparation of high performance heterocyclic aramid fibers with enhancing compressive strength	Sichuang University

Coffee Break 10 min

Session F Environmentally Friendly Fibers and Polymers
Moderator: Jinlian Hu, Jean Jacques Gaumet

10:05-10:30	Keynote	Samuel Chigome	Electrospinning: a material fabrication technique for addressing africa's current and future challenge	Botswana Institute for Technology Research and Innovation
10:30-10:55	Keynote	Yaopeng Zhang	Silk fibers and functional materials	Donghua University
10:55-11:20	Keynote	Xungai Wang	The sustainability challenge for the fibre and textile industries	Deakin University
11:20-11:40	Invited	Suna Fan	Super strong and intrinsically fluorescent silkworms silk from carbon nanodots feeding	Donghua University
11:40-11:55	Oral	Ming Cai	Effect of alkali treatment on interfacial bonding in abaca fiber-reinforced composites	Shanghai University Of Engineering Science

Parallel Session

Nov. 21 Morning

Venue: Library & Information Center B806

Session G Fibers and Polymers for Energy Applications
Moderator: Guangming Chen, Yuanlong Shao

Time	Type	Speaker	Title	Affiliation
8:00-8:25	Keynote	Dong Wang	Up-scalable nanofibrous membrane materials for diverse applications in liquid/water separation and purification	Wuhan Textile University
8:25-8:50	Keynote	Yanming Sun	Polymer fibril network morphology enables high-performance organic solar cells	Beihang University
8:50-9:05	Oral	Mahsa Mafi	Novel living polymer/bacteria composites for bioremediation	University of Bayreuth
9:05-9:20	Oral	Wangliang Li	Fabrication of amidoxime-modified cellulose fiber membranes and their application in uranium extraction from seawater	Institute of process Engineering
9:20-9:35	Oral	Yan Zhang	Construction of cadmium sulfide based semiconductor heterojunctions on carbon fibers for purifying wastewater under visible-light	Donghua University
9:35-9:50	Oral	Bo Zhu	Flexible and washable photothermal nonwoven fabric for solar-driven seawater desalination	Donghua University

Coffee Break 20 min

Session G Fibers and Polymers for Energy Applications
Moderator: Dong Wang

10:10-10:35	Keynote	Shenmin Zhu	Assembly of fibers from colloidal liquid crystals based on low-dimensional materials: preparation and properties	Shanghai Jiao Tong University
10:35-10:55	Invited	Yuanlong Shao	Printed flexible and wearable energy storage devices	Soochow University
10:55-11:10	Oral	Zixiao Liu	Hanging photothermal fabrics for solar seawater desalination	Donghua University
11:10-11:25	Oral	Shuo Cong	Janus fibrous membranes for water treatment by membrane distillation	Dalian University of Technology

12:00-12:45 Lunch

12:45-14:15 Poster

Parallel Session

Nov. 21 Afternoon

Venue: No. 1 Conference Hall

Session C Nano-Technologies in Fibers and Polymers
Moderator: Xiaoyu Li, Kazutoshi Haraguchi

Time	Type	Speaker	Title	Affiliation
14:15-14:40	Keynote	Xinhua Wan	Pasteur's crystallization revisited: a novel chiral separation strategy by mimicking magnetic beneficiation	Peking University
14:40-15:00	Invited	Zhijuan Sun	Nano-voided membranes embedded with hollow zwitterionic nanocapsules for superior desalination performance	Zhejiang University of Technology
15:00-15:20	Invited	Kai Liu	Reversibly photo-modulating mechanical performance of engineered protein fibers	Changchun Insitute of Applied Chemistry,CAS
15:20-15:40	Invited	Xiaoyu Li	Hierarchical nanostructures via an initiated supramolecular polymerization method	Beijng Instiute of Technology

Coffee Break 20 min

Session C Nano-Technologies in Fibers and Polymers
Moderator: Xinhua Wan

16:00-16:25	Keynote	Kazutoshi Haraguchi	Recent progresses in new functions of advanced nanocomposite gel	Nihon University
16:25-16:45	Invited	Xiaoze Jiang	Preparation of hyperbranched multimethacylate polymers containing benzene and urethane moieties and its application in dental composites with combined high performance properties	Donghua University
16:45-17:05	Invited	Weihua Liu	Study on the free radicals induced by gamma rays in polyacrylonitrile nano-fibers using electron spin resonance spectroscopy	Shanghai Institute of Applied Physics
17:05-17:20	Oral	Lei Wang	2D conjugated polymer nanosheets for photocatalytic overall water splitting	University of Science and Technology of China
17:20-17:35	Oral	Li Liu	Preparation of silver nanowires film with enhanced conductivity via surfactant treatment	Shanghai University

Parallel Session

Nov. 21 Afternoon

Venue: No. 2 Conference Hall

13:00-15:00 111 Project Meeting

Session E Fibers and Polymers for Medical Applications

Moderator: Peiyi Wu

Time	*Type*	*Speaker*	*Title*	*Affiliation*
15:10-15:30	Invited	Jun Wu	Amino acid based polymers for biomedical applications	Sun Yat-sen University
15:30-15:45	Oral	Qi Chen	An effective platform for study and discover functional peptides in regulating cell behaviors	East China University of Science and Technology
15:45-16:00	Oral	Haibin Yuan	A biodegradable antibacterial nanocomposite based on oxidized bacterial nanocellulose for fast hemostasis and wound healing	Donghua University

Coffee Break 20 min

Session E Fibers and Polymers for Medical Applications

Moderator: Xiumei Mo, Bo Zhu

16:20-16:45	Keynote	Peiyi Wu	Smart skin-like materials	Donghua University
16:45-17:05	Invited	Bo Zhu	Smart PEDOTs to selectively electro-couple cells	Shanghai University
17:05-17:20	Oral	Ping Wu	Biomedical applications using entropic wetting and thermodynamics of tissues	Singapore University of Technology and Design
17:20-17:35	Oral	Huixia Xuan	Biofunctionalized chondrogenic shape-memory ternary scaffolds for efficient cell-free cartilage regeneration	Donghua University
17:35-17:50	Oral	Reza Assefi Pour	Colorimetric assay and antibacterial activity of wool fabrics treated with alum/m-tgase and dyed with madder	Donghua University

Parallel Session

Nov. 21 Afternoon

Venue: No. 3 Conference Hall

Session J Development of Fiber Industry
Moderator: **余木火**

Time	*Type*	*Speaker*	*Title*	*Affiliation*
14:15-14:35	Invited	王　栋	智能响应性纤维材料的开发及产业化	武汉纺织大学
14:35-14:55	Invited	李　方	纤维微塑料的产生与预防机制	东华大学
14:55-15:15	Invited	陈　烨	废旧聚酯纤维制品资源再生循环技术发展	东华大学

Meet Editor Section
Moderator: Zhigang Chen

15:35-16:05	Invited	Bo Liu	Publishing in Nature Journals	Springer Nature

Coffee Break　15 min

16:20-16:50	Invited	Jiqing Sun	Publishing with Physical Science in Cell Press	Cell Press
16:50-17:20	Invited	Fatemeh Zabihi	Introduction on Advanced Fiber Materials published by Springer Nature Group	Donghua University
17:20-17:50	Invited	Yingjuan Huang	Publishing in Chinese Polymer Science Journals	Chinese Journal of Polymer Science, Acta Polymerica Sinica

Parallel Session

Nov. 21 Afternoon

Venue: No. 3 Conference Hall

Session H Fibers and Polymers for Information Technology
Moderator: Xuesong Jiang, Wei Lin Leong

Time	Type	Speaker	Title	Affiliation
14:15-14:30	Invited	Xiangdong Liu	"Mist polymerization" method for fabricating superhydrophobic cotton fabrics	Zhejiang Sci-Tech University
14:30-14:45	Invited	Xiong Pu	Energy harvesting and storage devices for E-textiles and stretchable electronics	Beijing Institute of Nanoenergy and Nanosystems, CAS
14:45-15:00	Invited	Xian Feng	Ultralarge mode area chalcogenide photonic crystal fiber for 100-W high-power mid-infrared applications	Jiangsu Normal University
15:00-15:15	Invited	Lei Wei	Advanced functional semiconductor fibers	Nanyang Technological University
15:15-15:30	Invited	Xianlei Shi	Application of polymer fibers for supported catalysis in feasible practice	Henan Polytechnic University
15:30-15:45	Invited	Shuguang Yang	Polymer complexation for adaptive fibers	Donghua University
15:45-16:00	Invited	Yao Tang	A compact tactile sensor based on optical micro/nanofiber for tissue stiffness detection	Zhejiang University

Coffee Break 15 min

Session H Fibers and Polymers for Information Technology
Moderator: Lei Wei, Xian Feng

16:15-16:30	Invited	Xuesong Jiang	Smart pattened polymer surface with dynamic wrinkles	Shanghai Jiao Tong University
16:30-16:45	Invited	Wei Lin Leong	Soft electronic devices using flexible, stretchable and mendable polymeric materials	Nanyang Technological University
16:45-17:00	Invited	Daosheng Deng	In-fiber nanostructures produced by fluid instability	Fudan University
17:00-17:15	Invited	Tonglei Cheng	Investigation of the nonlinear effect in the mid-infrared microstuctured optical fibers	Northeastem University
17:15-17:30	Invited	Jiangtao Hu	Fe_3O_4 nanowire arrays on flexible polypropylene substrates and its potential application	Shanghai Institute of Applied Physics
17:30-17:45	Invited	Limin Xiao	Recent advances in low-loss splicing photonic crystal fibers	Fudan University
17:45-18:00	Invited	Guanshi Qin	All-solid fluorotellurite fibers and their applications	Jilin University

Parallel Session

Nov. 21 Afternoon

Venue: No. 7 Conference Room

Session F Environmentally Friendly Fibers and Polymers
Moderator: Shengjie Ling, Benjamin S. Hsiao

Time	*Type*	*Speaker*	*Title*	*Affiliation*
14:15-14:40	Keynote	Jean Jacques Gaumet	Engineering new materials from biomass: multiple applications of fibers in the context of a real sustainable approach:	University of Lorraine
14:40-15:05	Keynote	Jinlian Hu	Artificial spider silk: a supertough fiber with a simple strategy	Hong Kong Polytechnic University
15:05-15:30	Keynote	Guosong Chen	Chemical control on glycopolymer self-assembly with immunological applications	Fudan University
15:30-15:50	Invited	Shiyan Chen	A strategy to construct self-reinforced nonswelling high-strength bacterial cellulose hydrogels	Donghua University
15:50-16:05	Oral	Jian Lin	Phenolated wheat straw lignin based activated carbon fibers	Beijing Forest University

Coffee Break 10 min

Session F Environmentally Friendly Fibers and Polymers
Moderator:Xungai Wang, Samuel Chigome

16:15-16:40	Keynote	Benjamin S. Hsiao	Sustainable water purification using biomass nanofibers	Stony Brook University
16:40-17:05	Keynote	Daniel Söderberg	Challenges for fabrication of fibers from nanocellulose	KTH Royal Institute of Technology
17:05-17:30	Keynote	Yiqi Yang	Pure keratin fibers from poultry feathers	University of Nebraska-Lincoln
17:30-17:50	Invited	Shengjie Ling	Animal silks as inspirations for smart fiber designs	ShanghaiTech University
17:50-18:05	Oral	Xiang Yao	Critical areas of adhesion and proliferation of single cells revealed via material techniques of surface patterning	Fudan University
18:05-18:25	Invited	Bin Fei	Smart silk fibers with core-sheath structure and functional fillers	Hong Kong Polytechnic University

Parallel Session

Nov. 21 Afternoon

Venue: Library & Information Center B806

Session G Fibers and Polymers for Energy Applications
Moderator: Shengyuan Yang, Chao Zhang

Time	*Type*	*Speaker*	*Title*	*Affiliation*
14:15-14:40	Keynote	Huisheng Peng	The rising fiber electronics	Fudan University
14:40-15:00	Invited	Yuee Miao	Electrospun polymer nanofiber separators for lithium batteries	Donghua University
15:00-15:15	Oral	Han Zuo	A single integrated 3D-printing process customizes elastic and sustainable triboelectric nanogenerators for wearable electronics	Donghua University
15:15-15:30	Oral	Mike Tebyetekerwa	Wearable devices of nanofibers coated yarns (NCY)	The Australian National University
15:30-15:45	Oral	Peiyun Li	Enhancing pervaporation dehydration performance by manipulating the interfacial interactions via introducing polyethyleneimine	Donghua University

Coffee Break 20 min

Session G Fibers and Polymers for Energy Applications
Moderator: Jianping Yang

16:05-16:30	Keynote	Guangming Chen	Carbon nanotube-related thermoelectric composites and flexible devices	Shenzhen University
16:30-16:45	Oral	Wei Sun	A facile strategy for fabricating the hierarchical nanocomposites of 1D V205 nanowire on 3D N-doped carbon materials with synergistic	Donghua University
16:45-17:00	Oral	Bhupender Pal	A scalable, flexible and ultralight hybrid supercapacitor system design and implementation using renewable materials	University Malaysia Pahang

Poster Presentations

NO.	TITLE	NAME	AFFILIATION
P-A-01	Preparation, stabilization and carbonization of a novel polyacrylonitrile-based carbon fiber precursor	Caizhen Zhu	Shenzhen University
P-A-02	Effect of compatibility on morphology and properties of polypropylene/coir fiber composites	Chaoqun Li	Hainan University
P-A-03	Ultrafast self-healing and injectable conductive hydrogel for strain and pressure sensors	Fengming Ye	Shenzhen Institutes of Advanced Technology, CAS
P-A-04	New comonomer for polyacrylonitrile-based carbon fiber: density functional theory study and experimental analysis	Huichao Liu	Shenzhen University
P-A-05	Preparation and properties of PVA fibers reinforced with go nanoribbons derived from unzipping of SWNTs	Xike Xiong	Soochow University
P-A-06	Effect of TiO2 on the spinability, structure and property of polyester industrial yarn	Yan Liu	Donghua University
P-A-07	Structure and performance changes of polyester fiber under various water drawing conditions	Yang Zhang	Donghua University
P-B-01	Preparation and comprehensive properties of lightweight carbon/carbon fiber composite	Bo Tang	Donghua University
P-B-02	An overview of industrialization development of lightweight carbon/carbon fiber composite for high temperature furnace	Bo Tang	Donghua University
P-B-03	Preparation and study of high temperature resistant polyphenylene sulfide fiber	Guofeng Yang	Tiangong University
P-B-04	A novel acyclic host built by size incommensurate nano-building blocks	Jia Chen	Donghua University
P-B-05	Synthesis of four-armed star-shaped poly(N,N-diethylacrylamide) by group transfer polymerization in the presence of hydrosilylane	Jian Li	Changchun University of Science and Technology
P-B-06	Improvement of elasticity of bio-based poly(trimethylene terephthalate) fibers via addition of graphene	Jun Sun	Soochow University

NO.	TITLE	NAME	AFFILIATION
P-B-07	Effect of NASCN content on the rheological behavior of PAN/NASCN aqueous solution	Lingdong Shi	Donghua University
P-B-08	Antibacterial and anti-fibrillation modification of lyocell fibers	Tiehan Wang	Donghua University
P-B-09	A novel waterborne fluorescent nano-fiber membranes with effectively suppressed acq phenomenon: fabrication, properties and applications	Weili Li	Jiangsu University of Science and Technology
P-B-10	Preparation and characterization of carbon fiber reinforced multi-phase epoxy syntactic foam filled with carbon fiber reinforced hollow epoxy macrospheres and hollow glass microspheres	Ying Wang	Shanghai Maritime University
P-B-11	Fast preparation of high molecular weight polypeptide by ring opening polymerization of n-carboxyanhydrides (NCA) outside of the glovebox	Yueming Wu	East China University of Science and Technology
P-B-12	Hydraulic permeability of quasi-parallel fibrous membranes by electrospinning	Zeman Liu	Dalian University of Technology
P-C-01	The structure and property study for PA6/'soluble' TiO2 nanocomposite fiber materials	Hailong Yu	Donghua University
P-C-02	Fabrication of the nerve agent detecting device with high sensitivity and selectivity	Jianan Weng	Shanghai University
P-C-03	Scale-up preparation and application of microporous organic polymers	Lei Li	Xiamen University
P-C-04	Multiple superwettable nanofiber arrays by a controllable dewetting strategy	Zhongxue Tang	Beihang University
P-D-01	A simple and high efficient approach to improve mechanical strength of carbon nanotube fibers via uv-initiated click reaction	Daohong Zhang	South-Central University for Nationalities
P-D-02	Prepolymerization-assisted fabrication of an ultrathin immobilized layer to realize a semi-embedded wrinkled AGNW network for a smart electrothermal chromatic display and actuator	Hongwei Fan	Donghua University
P-D-03	Mxene-based flexible Li+-capacitors and micro-supercapacitors	Jianmin Li	Donghua University
P-D-04	A highly ionic conductive poly(methyl methacrylate) composite electrolyte with garnet-typed Li6.75La3Zr1.75Nb0.25012 nanowires	Jianqi Sun	Donghua University
P-D-05	Zns-Cds-TaON nanocomposites with enhanced stability and photocatalytic hydrogen evolution activity	Lin An	Donghua University

NO.	TITLE	NAME	AFFILIATION
P-D-06	Highly efficient self-healable and dual responsive hydrogel-based deformable triboelectric nanogenerators for wearable electronics	Qingbao Guan	Donghua University
P-D-07	Nanoshell-wrapped carbon nanotube-SnS2 (MoS2) composites for flexible, stretchable and water-proof asymmetric supercapacitors	Qiufan Wang	South-Central University for Nationalities
P-D-08	Bioinspired strong graphene-based nanocomposites for flexible energy storage	Tianzhu Zhou	Beihang University
P-D-09	Continuous and scalable manufacture of amphibious energy yarns and textiles	Wei Gong	Donghua University
P-D-10	Solvatochromic structural color fabrics with favorable wearability properties	Xinbo Gong	Donghua University
P-D-11	Controlling the transformation of intermediate phase under near-room temperature for improving the performance of perovskite solar cells	Xuefei Han	Donghua University
P-D-12	Personal thermal management textiles based on large-area graphene papers	Yang Guo	Donghua University
P-D-13	Regulation of precursor solution concentration for in-Zn oxide thin film transistors	Yanping Chen	Donghua University
P-D-14	Fabrication and characterization of bio-memristor based on silk fibroin	Yi Zhang	Donghua University
P-D-15	Thermal-shrinking-induced ring-patterned boron nitride wrinkles on carbon fibers	Yinlong Tan	National University of Defense Technology
P-D-16	Enhanced immunofluorescence detection of a protein marker using a PAA modified ZnO nanorod array-based microfluidic device	Zhihua Wu	Donghua University
P-E-01	"Transformed" Fe3S4 tetragonal nanosheets: a high-efficiency and body-clearable agent for magnetic resonance imaging guided photothermal and chemodynamic synergistic therapy	Guoqiang Guan	Donghua University
P-E-02	Molecularly engineered metal-based bioactive soft materials – neuroactive magnesium ion/ polymer hybrids	Lijie Sun	Donghua University
P-E-03	Impact of antifouling peg layer on the performance of functional peptides in regulating cell behaviors	Qi Chen	East China University of Science and Technology
P-E-04	Biodegradable hollow manganese/cobalt oxide nanoparticles for tumor theranostics	Qilong Ren	Donghua University

NO.	TITLE	NAME	AFFILIATION
P-E-05	131I-Labeled Multifunctional Polyphosphazene Nanospheres for SPECT Imaging-Guided Radiotherapy of Tumors	Wei Zhu	Donghua University
P-E-06	Polyelectrolytes-modified biocomposite scaffold for bone tissue engineering application	Xiaojun Zhou	Donghua University
P-E-07	Ferulic acid-loaded nanofibers fabricated by coaxial electrospinning	Yaoyao Yang	University of Shanghai for Science and Technology
P-E-08	Comparison of hydrophilic PEDOTs subjected to electrostimulation: toward a long-term implantable electrode	Yaqiong Zhang	Shanghai University
P-E-09	A new stem cell-porous chitin nanofiber dressing for wound healing	Ying Liu	Northeast Normal University
P-E-10	Gas foamed three-dimensional electrospinning scaffold for cell penetration	Yujie Chen	Donghua University
P-F-01	Rheology of amylopectin-cellulose blend solutions for biodegradable textile fibers	Alex Kwasi Kumi	Donghua University
P-F-02	RHMPAs based on PPC for reactive hot-melt polyurethane adhesives	Jiqing Huang	Beijing Institute of Aerospace Testing Technology
P-F-03	Strong silk fibers containing cellulose nanofibers generated by a bioinspired microfluidic chip	Li Lu	Donghua University
P-F-04	Eco-friendly construction of loose cs/pan nanofibrous composite membranes for permeability-selectivity anti-trade-off property	Lingdi Shen	Jiangsu Normal University
P-F-05	Super-strong and fluorescent silkworm silk from aggregation-induced emission (AIE) hexaphenylsilole feeding	Qi Zhan	Donghua University
P-F-06	Single molecular layer of silk nanoribbon as potential basic building block of silk materials	Qianqian Niu	Donghua University
P-F-07	Influence of chemical modifications on tensile properties and microstructure of abaca fibers	Xian Zhang	Shanghai University of Engineering Science
P-F-08	Preparation and application of biological furan polyester nanofibers	Xiaoran Li	Tiangong University
P-F-09	Top-down peeling bacterial cellulose to high strength ultrathin film and multifunctional fibers	Zhuotong Wu	Donghua University
P-G-01	Facile preparation of PAM/Cs/Fe304 composite hydrogels for effective removal of methylene blue from aqueous solution	Cheng Zhang	Changzhou University

NO.	TITLE	NAME	AFFILIATION
P-G-02	PVDF/Fe3O4 composite nanofiber membrane with magnetic effect and coupled electret effect and its application in air filtration	Fan Liu	Zhongyuan University of Technology
P-G-03	Temperature and co2 dual-responsive pickering emulsions using jeffamine M2005-modified cellulose nanocrystals	Gaihuan Ren	Zhongyuan University of Technology
P-G-04	Morphology dependent capacitive performance for nanostructured polyaniline fabricated through ice–ice interfacial polymerization in fully aqueous solution	Lifeng Yang	Donghua University
P-G-05	Modified HEC/PAA complex membranes for water-in-oil emulsion separation	Liping Zhu	Donghua University
P-G-06	Preparation and properties of anti-shrinkage and anti-oxidant poly(phenylene sulfide sulfone) fibers	Mingwen Wang	Tiangong University
P-G-07	Cone-like titanate immobilized on pan nanofibers: hierarchical architecture for effective photocatalytic property	Mingyue Zhu	Soochow University
P-G-08	Wearable wool knitwear with shape memory effect	Mohammad Irfan Iqbal	The Hong Kong Polytechnic University
P-G-09	Preparation of block copolymer-based ultrathin composite membranes on the liquid surface	Nina Yan	Jiangsu Academy of Agricultural Sciences
P-G-10	Highly efficient visible-light-driven nitrogen-doped porous carbon-ZnO nanocomposite photocatalysts	Xiao Chen	Nanjing University of Science and Technology
P-G-11	Degradation performance experiment of paper and straw-based seedling pot	Xizhi Jiang	Jiangsu Academy of Agricultural Sciences
P-G-12	Synthesis of novel imine-linked metal porphyrin conjugated microporous polymer with enhanced visible-light photocatalytic activity	Xu Cui	Changchun University of Science and Technology
P-G-13	Two-layer fibre mats fabricated from electrospun fibres covered on rotating spun fibres for high-efficiency air filtration	Yongzhen Li	Chinese Academy of Tropical Agriculture Sciences
P-G-14	Fe3O4@CNF prepared from cellulose derivative and its application in li-ion battery	Yumei Gong	Dalian Polytechnic University
P-H-01	Synthesis and characteristics of red, green, blue fluorescence carbon dots	Ling Jin	Anhui University of Technology
P-H-02	The synthesis of electrochromic polyaniline film with fast response and high optical contrast	Xiangyu Huang	Donghua University
P-H-03	Dielectric properties of polyaniline/silver nanowire composites	Yan An	Shanghai Maritime University

Presenters' Index

安东帕集团创建于 1922 年，总部位于奥地利格拉兹。安东帕在密度和浓度的测量，溶解二氧化碳的测定，以及在流变学和粘度测量领域处于世界领先地位。
Founded in 1922 in Graz (Austria) by Anton Paar, the company is the world leader in the measurement of density and concentration, the determination of dissolved carbon dioxide, and in the fields of rheometry and viscometry.

安东帕集团业务遍及全球 110 多个国家，拥有 31 家销售分公司和 8 个生产基地。同时，在全球研发、生产、销售和支持网络中有 3300 多名员工负责质量、可靠性，以及 Anton Paar 的产品服务。自 2003 以来，慈善桑塔纳基金会是 Anton Paar 的所有者。
The Anton Paar Group is active in more than 110 countries with 31 sales subsidiaries and 8 producing firms. Meanwhile, more than 3300 employees in a worldwide network of research and development, production, sales, and support are responsible for the quality, reliability, and service of products made by Anton Paar. Since 2003, the Charitable Santner Foundation is the owner of Anton Paar.

安东帕公司作为密度、浓度、二氧化碳和流变测量的技术引领者，始终为全球工业和科研客户提供最合适的仪器。同时，依托仪器领域的百年经验，我们为食品饮料、石油石化、制药、高校科研、质检、商检、药检和出入境检验检疫等领域提供量身定制的检测解决方案，涵盖密度计、微波消解仪、微波合成仪、旋光仪、折光仪、粘度计、流变仪、馏程分析仪、闪点测试仪、X- 射线结构分析、固体表面电位分析仪、表面力学性能测试仪器、在线分析检测仪表、颗粒特性分析、原子力显微镜以及固体材料直接表征等。
Anton Paar produces high-end measuring and laboratory instruments for industry and research. It is the world leader in the measurement of density, concentration and CO2 and in the field of rheometry. Other areas of specialty are: Petroleum testing, microwave synthesis, viscometry, polarimetry, refractometry, X-ray scattering, sample preparation, surface characterization, Particle Characterization and Atomic Force Microscope.

安东帕（上海）商贸有限公司是安东帕集团下属子公司，2006 年成立于上海，全面负责安东帕在中国区的市场营销、技术应用支持和客户服务等业务。
Anton Paar (Shanghai) Trading Co., Ltd. is a subsidiary of Anton Paar GmbH. It was founded in 2006 in Shanghai, Anton Paar China provides sales & marketing, technical application support and customer service to users throughout whole China.

自安东帕中国成立以来，公司员工的创新精神及其对产品质量锲而不舍的追求就一直是我们发展的源动力与基础。我们致力于开发最高精度、最可靠、最便于操作的仪器，并为客户提供最完善迅捷的本地化服务。
The core competence of Anton Paar – high-precision production – and close contact to the scientific community, form the basis for the quality of Anton Paar’ s instruments. Continuous training and investments in R&D ensure that Anton Paar products live up to their excellent reputation.

安东帕中国总部 (上海办公室)
上海市合川路 2570 号科技绿洲三期 2 号楼 11 层
邮编：201103
电话：+86 21 2415 1900
传真：+86 21 2415 1999
销售热线：400 820 2259
客服热线：400 820 3230
中国官网：www.anton-paar.cn
在线商城：shop.anton-paar.cn

上海万辰秉承着专注、追求极致的思维，自成立之时就一直关注教育行业应用和信息技术的发展趋势。我们致力于用最全面最可靠的方案，结合先进的信息技术协助客户解决面临的挑战。我们执着于教育信息化，十几年来坚持不懈地努力，不断耕耘，不断前行。

Shanghai Wan Chen Digital Technology Company Ltd., founded in 2002, has been focusing on the educational application and the trend of the IT technology, guided by the principle of concentrating and pursuit of perfection. We have been involved in the education information since the start of our business. We are capable to apply the state-of-the-art technology in our solutions to meet the customers' challenges.

凭借多年积淀的产品定制开发能力、软件构架能力和丰富的系统集成经验，上海万辰真正实现了整合各种技术和产品，为用户提供整体解决方案。我们将自己定位于具有自主开发能力和技术整合能力的信息技术提供商，涉足领域：教学支撑平台、校园物联网应用、VR 及 3D 打印应用方案集成。

Based on the product customizing, software architecture capabilities and system integration expertise, we make fusions of different products and technologies to provide total solutions for our customers. We now concentrate on three major fields, teaching support platform, campus IOT application and 3D printing and virtual reality.

公司紧跟技术发展趋势，与曼恒（VR）、EOS、DM、HP、ENVISIONTEC (3D 打印) 等公司紧密合作，推出针对不同专业的教学实验解决方案，有助于学生通过自我能力的展现，将学习态度由机械照搬完成转变为主动深入学习。培养学生从系统角度分析和解决复杂问题的能力，为学生通过网络自主学习创造条件。

We have been the market distributors of the 3D printer manufacturers such as EOS GmbH, DESKMETAL, HP, ENVISIONTEC GmbH. 3D printers are widely used in material, tissue engineering, art design, pharmacy, chemistry and environment engineering departments of the universities. Virtual reality technology are employed in the teaching experiment to increase the simulation effects. We integrated Shanghai GDI VR products into the mechanical simulation solutions for the university in 2019.

地址：上海市新村路 666 号 6 号楼 201 室
客服热线：0086-21-61478201

SEE YOU
ICAFPM
2021

ICAFPM2016

下一代纤维
让生活更美好

Next Generation Fiber
Shaping a
Brighter Future