



The 8th Asia-Europe Symposium on Processing and Properties of Reinforced Polymers

第八届亚欧复合材料研讨会议

会议程序册

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Organized by: State Key Laboratory of Polymer Materials Engineering, China
College of Polymer Science and Engineering, Sichuan University
Polymer Research Institute, Sichuan University

Sponsor by: Houcheng New Material Sichuan Co.,Ltd
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June 29th-July 2nd, 2017·Chengdu

CONTENT

1. Program Schedule.....	1
2. The 8th Asia-Europe Symposium on Processing and Properties of Reinforced Polymers (AESP 2017).....	2
3. Poster.....	18
4. Appendix 1: Xiangyu Hotel Traffic Route.....	23
5. Appendix 2 : Planar graph of Xiangyu Hotel.....	25
6. Hotel.....	26
7. Conference Contact.....	26
8. Introduction of the organizer.....	27
9. Notes.....	29

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1. Program Schedule

Date	Time	Arrangement	Location
29th June	09:00-22:00	Registration	Xiangyu Hotel (Lobby)
	18:00-20:00	Buffet Dinner	2F Cafeteria
30th June	08:30-12:00	Opening Ceremony & Plenary Talks	3F Xiangrui Ting
	10:05-10:35	Group Photo	
	11:55-13:30	Buffet Lunch	2F Cafeteria
	13:30-17:50	Session 1 (Asia-Europe Symposium)	2F Xiangqing Ting
	13:30-17:50	Session 2 (3rd China-UK Bilateral Symposium on Polymer Nanocomposites Special Session)	2F Xiangtai Ting
	17:50-20:00	Buffet Dinner	2F Cafeteria
1st July	08:30-16:35	Session 1 (Asia-Europe Symposium)	2F Xiangqing Ting
	12:05-13:30	Buffet Lunch	2F Cafeteria
	08:30-12:00	Session 2 (3rd China-UK Bilateral Symposium on Polymer Nanocomposites Special Session)	2F Xiangtai Ting
	16:40-18:00	Poster Session	2F Yutang Chun
	18:00-20:00	Banquet	2F Cafeteria
2nd July	08:30-12:00	Session 1 (Asia-Europe Symposium)	2F Xiangqing Ting
	08:30-12:00	Session 2 (Asia-Europe Symposium)	2F Xiangtai Ting
	12:00-14:00	Buffet Lunch	2F Cafeteria
	14:00-18:00	Half day Tour of Chengdu	

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2. The 8th Asia-Europe Symposium on Processing and Properties of Reinforced Polymers (AESP 2017)

Organizers

State Key Laboratory of Polymer Materials Engineering, China

College of Polymer Science and Engineering, Sichuan University

Polymer Research Institute, Sichuan University



Committee

Chairmen:

Qiang Fu, Yiu-Wing Mai, Ming-Qiu Zhang

UK-China Nanocomposites Chairmen:

Xin-Yuan Zhu, Tian-Xi Liu, Tony McNally, David Haddleton, Chao-Ying Wan

International Advisory Board:

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Z. Zhang, M. Zrinyi, Q. Fu, D. Y. Wang, X. L. Xie, X. Y. Zhu, T. X. Liu, T.

McNally, D. Haddleton, Z. M. Li

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June 30th			
Opening Ceremony & Plenary Talks 3F Xiangrui Ting			
Time	No.	Content	Chair
08:30-08:45	Opening Ceremony		
08:45-09:25	PT1	Development and Characterisation of Conducting Composites Using Natural Fibres and Graphene Materials Debes Bhattacharyya The University of Auckland, New Zealand	Yiu-Wing Mai
09:25-10:05	PT2	Progress in Multi-scaled Structure, Related Properties and the Application of Elastomer Nanocomposites Explored by Molecular Dynamics Simulation and Experimental Approaches Li-Qun Zhang Beijing University of Chemical Technology, China	
10:05-10:35	Coffee Break & Group Photo		
10:35-11:15	PT3	Functionalization of Nanomaterials: An Efficient Way to Multifunctional Polymer Nanocomposites with Improved Fire Safety De-Yi Wang Madrid Institute for Advanced Studies of Materials (IMDEA Materials Institute), Spain	Ming-Qiu Zhang
11:15-11:55	PT4	Liquid Armour – How Much Energy It Can Absorb Lin Ye Sydney University, Australia	
11:55-13:30	Lunch: 2F Cafeteria		

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June 30th				
3 rd China-UK Bilateral Symposium on Polymer Nanocomposites Special Session				
2F Xiangtai Ting				
Time	No.	Content	Chair	
13:30-13:55	IT-1	A Unique Approach to Non-covalent Functionalisation of MWCNTs and Graphene for Compatibilisation with PP Tony McNally University of Warwick, UK	Xiao-Lin Xie	
13:55-14:20	IT-2	Striking Effect of Long Branched Chains on Structure and Properties of Ppolymer Nanocomposites Tao Tang Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China		
14:20-14:45	IT-3	Structure and Dynamics in Polymer Nanocomposites Nigel Clarke Sheffield University, UK		
14:45-15:10	IT-4	Interlayer Shear in Bilayer Graphene Zhong Zhang National Center for Nanoscience and Technology, China		
15:10-15:35	IT-5	Multiscale Modeling of Polymer at Solid in Interfaces Paola Carbone University of Manchester, UK		
15:35-15:45	Coffee Break			
15:45-16:10	IT-6	Nanofibrous Materials: Progress in Materials, Hierarchical Structuration, and Multifunctionality Bin Ding Donghua University, China	Tony McNally	
16:10-16:35	IT-7	Forging the Next Revolution in Smart Carbon Composites Jose Anguita Advanced Technology Institute, University of Surrey, UK		
16:35-17:00	IT-8	Polymer Nanocomposites with In-situ Formed Organic Nanodomains and Well-dispersed Inorganic Nanofillers Yong-Jin Li Hangzhou Normal University, China		
17:00-17:25	IT-9	Nanocomposites with Tailored CNT Distribution---Making Use of CNT Re-agglomeration Hua-Xin Peng University of Bristol, UK (Zhejiang University, China)		
17:25-17:50	IT-10	Bioinspired Graphene-based Nanocomposites Qun-Feng Cheng Beihang University, China		



July 1st				
3 rd China-UK Bilateral Symposium on Polymer Nanocomposites Special Session 2F Xiangtai Ting				
Time	No.	Content	Chair	
08:30-08:55	IT-11	The Reinforcement in Polymer Based Nanocomposites with Graphene Dimitrios Papageorgiou University of Manchester, UK	Xin-Yuan Zhu	
08:55-09:20	IT-12	Strengthening Diene Rubbers by Incorporating Sacrificial Units into Rubber Network Bao-Chun Guo South China University of Technology, China		
09:20-09:45	IT-13	Modelling of Deformation Processes of Polymer Nanocomposites Near the Glass Transition Lukasz Figiel University of Warwick, UK		
09:45-10:10	IT-14	Carbon Nanotubes Toughened Immiscible Polymer Blends Yong Wang Southwest Jiaotong University, China		
10:10-10:20	Coffee Break			
10:20-10:45	IT-15	Functionalisation of Nanoparticles via Organophosphazene-based Hybrid Materials Chao-Ying Wan University of Warwick, UK	Nigel Clarke	
10:45-11:10	IT-16	Largely Enhanced Water-responsive Sensitivity by the Dual Network Structure of Cellulose Nanocrystals (CNCs) /Epoxidized Natural Rubber (ENR) Composites Nan-Ying Ning Beijing University of Chemical Technology, China		
11:10-11:35	IT-17	Hybridization of 1D Carbon Nanotubes and 2D Graphene and Their Polymer Nanocomposites Chao Zhang Donghua University, China		
11:35-12:00	IT-18	Core-shell Structured Carbon Nanoparticles Derived from Light Pyrolysis of Waste tires Shi -Feng Wang Shanghai Jiaotong university, China		



June 30th			
Asia-Europe Symposium			
2F Xiangqing Ting			
Time	No.	Content	Chair
13:30-13:55	IT-19	A Quantitative Approach to Study the Interface of Elastomer Nanocomposites by Quantitative Nanomechanical Mapping (QNM) Technique of AFM Ming Tian Beijing University of Chemical Technology, China	Zhong-Zhen Yu
13:55-14:20	IT-20	Hybrid Filler Polymer Blend Nanocomposites for EMI Shielding and Charge Storage Applications Uttandaraman Sundararaj University of Calgary, Canada	
14:20-14:35	OT-1	Controlling Self-Powered Polymeric Microstructures with Graphene Oxide Quantum Dots Jun Lu Southwest Jiaotong University, China	
14:35-14:50	OT-2	Graphene Fluoride: A Nanofiller for Preparing Polyimide Hybrid Films with High Electrical Insulating Properties Xu Wang Sichuan University, China	
14:50-15:05	OT-3	Carbonized Filter Paper Based on Conductive Composite with Excellent EMI Shielding Performance Wei-Bin Zhu College of Aerospace Engineering, Chongqing University	
15:05-15:20	OT-4	Reactive Nanoparticles Compatibilized Immiscible Polymer Blends: Synthetic of Reactive SiO₂ with Long PMMA Chains and the In-Situ Formation of Janus SiO₂ Nanoparticles Anchored Exclusively at the Interface Heng-Ti Wang Hangzhou Normal University, China	
15:20-15:35	OT-5	Spatially Controlled Location of Zinc Sulfide Nanoparticles in Holographic Polymer Dispersed Liquid Crystals Hai-Yan Peng Huazhong University of Science and Technology, China	



June 30th			
Asia-Europe Symposium 2F Xiangqing Ting			
Time	No.	Content	Chair
15:35-15:45	Coffee Break		
15:45-16:10	IT-21	Graphene Networks and Their Conductive Polymer Nanocomposites Zhong-Zhen Yu Beijing University of Chemical Technology, China	Uttandaraman Sundararaj
16:10-16:35	IT-22	Development of Ultrasensitive Piezoresistive Strain Sensors Made from Carbon Nanofiller/Epoxy Nanocomposites Ning Hu Chongqing University, China	
16:35-16:50	OT-6	Effect of Carbon Nanotubes on the Phase Separation Behavior and Mechanical Properties of an Epoxy/Polysulfone Binary System Jie-Feng Gao Yangzhou University, China	
16:50-17:05	OT-7	Bioinspired Cilia sensor for Pressure and Magnetic Field Detection Ya-Feng Liu Chongqing University, China	
17:05-17:20	OT-8	Fabrication of Poly (Vinylidene Fluoride) Dielectric Composites with both Ionic Nanoclusters and Well Dispersed Nanofillers Ji-Peng Guan Hangzhou Normal University, China	
17:20-17:35	OT-9	Carbonized Melamine Sponge/Silicone Composite for Wearable Strain Sensor Xiao-Guang Yu Chongqing University, China	
17:35-17:50	OT-10	High-Performance Composite Materials Assisted with Metal–Organic Frameworks Lu Shao Harbin Institute of Technology, China	

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July 1st			
Asia-Europe Symposium (1) 2F Xiangqing Ting			
Time	No.	Content	Chair
08:30-08:55	IT-23	Nanoparticle-promoted Structure Evolution of Thermoplastics Reinforced by Self-welded Short Carbon Fibers Guo-Zhang Wu East China University of Science and Technology, China	Tao Tang
08:55-09:20	IT-24	Biomimetic Composites with Multiple Scale Architecture and Multifunctionality Hao Bai Zhejiang University , China	
09:20-09:35	OT-11	Controllable Construction of Stereocomplex Crystallites in Poly(L-lactide)/Elastomer Blends for Largely Improved Crystallization Rate and Toughening Efficiency Yuan-Lin Luo Sichuan University, China	
09:35-09:50	OT-12	Surface Integration of Two Dimensional Layered Materials with Polymer for Flexible Electronics Bo Li Villanova University, USA	
09:50-10:05	OT-13	Tuning of Strain Sensing Performances of Flexible Thermoplastic Polyurethane Conductive Nanocomposites Using Synergistic Bifillers and Pre-straining Kun Dai Zhengzhou University, China	
10:05-10:20	OT-14	Flame Retardation and Catalytic Curing Behavior of Polybenzoxazine/α-ZrP Nanocomposites Chun-Xia Zhao Southwest Petroleum University, China	
10:20-10:30	Coffee Break		

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July 1st			
Asia-Europe Symposium (1)			
2F Xiangqing Ting			
Time	No.	Content	Chair
10:30-10:55	IT-25	Janus Materials and Interface Fu-Xin Liang Institute of Chemistry, Chinese Academy of Sciences, China	Debes Bhattacharyya
10:55-11:20	IT-26	Colloidal Photonic Crystal Based Optical Devices Ming-Zhu Li Institute of Chemistry, Chinese Academy of Sciences, China	
11:20-11:35	OT-15	Deformation Behavior, Structural Evolution and Properties of Biaxially Stretched High Density Polyethylene/Carbon Nanofiller Composites Dong Xiang Southwest Petroleum University, China	
11:35-11:50	OT-16	Molecular Dynamics Simulation of Rupture Mechanism in Nanorod Filled Polymer Nanocomposites Yang-Yang Gao Beijing University of Chemical Technology, China	
11:50-12:05	OT-17	“Eating” Oil Spills Using Polymer Nanocomposites Peng-Cheng Ma Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China	

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July 1st			
Asia-Europe Symposium (1)			
2F Xiangqing Ting			
Time	No.	Content	Chair
12:05-13:30	Lunch		
13:30-13:55	IT-27	Studies on Structure and Properties of Stretchable Solid Polymer Electrolyte for Lithium-ion Batteries Wen-Hong Ruan Sun Yat-sen University, China	Ming Tian
13:55-14:20	IT-28	Underwater Self-healing of Polymer Based on Water Triggered Dynamic DOPA – metal Ions Coordinate Bonds Min-Zhi Rong Sun Yat-Sen University, China	
14:20-14:35	OT-18	Preparation and Properties Research of PVDF Matrix Composite Films with Controllable Dielectric Properties Ling Weng Harbin University of Science and Technology, China	
14:35-14:50	OT-19	Enhanced Mechanical & Electrical Properties of Multi-layer Graphene/PVC Composites You Zeng Institute of Metal Research, Chinese Academy of Sciences, China	
14:50-15:05	OT-20	Hierarchical Structures of Silica-Filled Silicone Rubber: A Contrast Variation Small-Angle Neutron Scattering Study Dong Liu Institute of Nuclear Physics and Chemistry, China Academy of Engineering Physics, China	

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July 1st			
Asia-Europe Symposium (1)			
2F Xiangqing Ting			
Time	No.	Content	Chair
15:05-15:20	Coffee Break		
15:20-15:45	IT-29	Tailor the Internal Structures to Design Conductive Polymer Composites Yu-Tian Zhu Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China	Qun-Feng Cheng
15:45-16:10	IT-30	High Sensitivity and Demonstration of Wearable Electronic Strain Sensor Based on Carbonized Cellulose Network/Silicone Composite Shao-Yun Fu Chongqing University, China	
16:10-16:25	OT-21	Mechanical Properties and Flame Retardancy of Short Jute Fiber/Poly(lactic acid) Composites with Phosphorus-Based Compound Tao Yu Tongji University, China	
16:25-16:40	OT-22	Largely Stretchable and Compressible Strain Sensor Based on Carbon Nanotubes/Polymer Nanocomposites with 3-Dimensional Networks Bin Hao Xinjiang Technical Institute of Physics and Chemistry, Chinese Academy of Sciences, China	
16:40-18:00	Poster Session		

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July 1st			
Asia-Europe Symposium (2)			
2F Xiangtai Ting			
Time	No.	Content	Chair
13:30-13:55	IT-31	Ultrahigh Thermal Management Capability 3D Interconnected BN Nanosheets Based Epoxy Nanocomposites Xing-Yi Huang Shanghai Jiaotong University, China	Zhong Zhang
13:55-14:20	IT-32	Morphology Controllable High Performance Ternary Polymer Blends Prepared by Using Multi-phase Compatibilizers Xu-Ming Xie Tsinghua University, China	
14:20-14:35	OT-23	Preparation of Oxidized Regenerated Cellulose by H₂O₂ and Its Improvement of Epoxy Resin Flame Retardance Shui-Dong Zhang South China University of Technology, China	
14:35-14:50	OT-24	Structural Evolution of Epoxy/Polyethersulfone Blends Yu-Cai Shen Nanjing Tech University, China	
14:50-15:05	OT-25	Hydrothermal Ageing Mechanism and Prediction of Long-term Mechanical Properties of Unidirectional Flax Fiber/Phenolic Composites Ming Cai Tongji University, China	

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July 1st			
Asia-Europe Symposium (2) 2F Xiangtai Ting			
Time	No.	Content	Chair
15:05-15:20	Coffee Break		
15:20-15:45	IT-33	Tuning the Property of Interfacial Water with Polymers for Controlling Ice Formation Jian-Jun Wang Institute of Chemistry, Chinese Academy of Sciences, China	De-Yi Wang
15:45-16:10	IT-34	Realization of High Performances of Plant Fiber Reinforced Composites by Multi-scaled Structural Design Yan Li Tongji University, China	
16:10-16:25	OT-26	Investigation into Nanoparticulate Enhanced Silane/Siloxane Emulsion Systems for Bio-Fouling Resistance Applications Zhong-Yi Zhang University of Portsmouth, UK	
16:25-16:40	OT-27	The Preparation and Lithium Storage Application of Sisal Fiber Carbon Nanocomposites Ai-Miao Qin Guilin University of Technology, China	
16:40-18:00	Poster Session		

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July 2nd			
Asia-Europe Symposium (1)			
2F Xiangqing Ting			
Time	No.	Content	Chair
08:30-08:55	IT-35	Highly Sensitive, Wearable, Durable Strain Sensors and Stretchable Conductors Using Graphene/Silicon Rubber Composites Jun Ma University of South Australia	Yan Li
08:55-09:10	OT-28	Stimuli Responsive Composites Based on a Bilayer Structure Lu-Yi Sun University of Connecticut, USA	
09:10-09:25	OT-29	Direct Identification of the Interphase in Silica/Polymer Nanocomposites by Using Quantitative Nanomechanical Mapping Technique of AFM Xiang-Yan Li Beijing University of Chemical Technology, China	
09:25-09:40	OT-30	Materials Genome Initiative: Simulation and Experiment Study of Polymer Nanocomposite Jun Liu Beijing University of Chemical Technology, China	
09:40-09:55	OT-31	Shape Memory Polyimides: From Controllable Films to New Generation of Heat-Shrinkable Tubes Xin-Li Xiao Harbin Institute of Technology, China	
09:55-10:10	OT-32	New Methodology for Phase Identification of Macromolecular Complex System from Modulus Mapping Image Collected with Peak-Force QNM AFM Xi Zhang Beijing University of Chemical Technology, China	
10:10-10:20	Coffee Break		

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July 2nd			
Asia-Europe Symposium (1)			
2F Xiangqing Ting			
Time	No.	Content	Chair
10:20-10:45	IT-36	The Processing of Alternating Multi-layered Functional Polymer Composites Through High Speed Thin-wall Injection Molding Hua Deng Sichuan University, China	Yong-Jin Li
10:45-11:00	OT-33	Continuous Electrospun CNTs/TPU Yarns with Highly Conductive and Stretchable Properties for Wearable Electronics Guo-Qiang Zheng Zhengzhou University, China	
11:00-11:15	OT-34	To utilize UV-Crosslinked Polymer Nanocomposite Particles as Polymer Electrolyte Matrix for DSSCs Yi-Fu Huang Sun Yat'sen University, China	
11:15-11:30	OT-35	Effect of Distribution of BN on the Thermal Conductivity of PP/PS/BN Composites Lu Bai Sichuan University, China	
11:30-11:45	OT-36	Synthesis and Characterization of Antimicrobial Quarternized Carboxymethyl Chitosan/Nanosilver Hybrid Si-Qi Huang Beijing Forestry University, China	
12:00-13:30	Lunch		

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July 2nd			
Asia-Europe Symposium (2)			
2F Xiangtai Ting			
Time	No.	Content	Chair
08:30-08:55	IT-37	Flexible Organic-Inorganic Composite Polymer Electrolytes for Lithium Batteries Zhi-Gang Xue Huazhong University , China	Jian-Jun Wang
08:55-09:10	IT-38	Graphene-Based Composites with Controlled Structures for High-Performance Energy Storage Materials Jian-Xin Geng Technical Institute of Physics and Chemistry, CAS, China	
09:10-09:25	OT-37	Control Distribution of Multi-walled Carbon Nanotube in Poly(lactide) Matrix for High-performance Electrical Conductivity and Electromagnetic Interference Shielding Ming Wang Southwest University, China	
09:25-09:40	OT-38	Toughening Rubbers with Sacrificial Bonds Jin-Rong Wu Sichuan University, China	
09:40-09:55	OT-39	Stepwise Control of Flow Field towards In Situ Nanofibrillation and Nanolamination of Full-Degradable Poly(lactic acid) Blends Lan Xie Guizhou University, China	
09:55-10:10	OT-40	Improving the Fracture Toughness of Carbon Fiber/Epoxy Composites by Adjusting the Defective Fabric Surface Texture Xu-Sheng Du Jinan University, China	

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July 2nd			
Asia-Europe Symposium (2)			
2F Xiangtai Ting			
Time	No.	Content	Chair
10:10-10:20	Coffee Break		
10:20-10:35	OT-41	A Facile and Novel Strategy for Fabricating Highly Flame Retardant Polymer Foam Composite Materials: Transforming Silicone Resin Coating Into Silica Self-extinguishing Layer Long-Cheng Tang Hangzhou Normal University, China	Lin Ye
10:35-10:50	OT-42	Reinforcement Type Effects on the Crystallization Behavior and Morphologies of Poly(ether ether ketone) Composites Ya-Ming Wang Zhengzhou University, China	
10:50-11:05	OT-43	Bimorph-structured Flexible Magnetism/Strain Sensor Pei Huang Chongqing University, China	
11:05-11:20	OT-44	Enhanced Electret Performance of PVDF-PA11/LiNbO₃ Nanoparticles Ya-Li Yuan National Center for Nanoscience and Technology, China	
11:20-11:35	OT-45	Enhanced Ion Transport in Ionic Liquid-based Polymer Electrolytes Containing Polymeric Ionic Liquid-functionalized Nanostructured Silica Yun-Sheng Ye Huazhong University of Science and Technology, China	
11:35-11:50	OT-46	Nanocellulose-assisted modifying stretchable sensitivity of polyurethane/carbon nanotubes conductive nanocomposites Shu-Man Xu Sichuan university, China	

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3. Poster

No.	Title	Author	Institution
1	Grafting of polystyrene onto reduced graphene oxide by emulsion polymerization for dielectric polymer composites: high dielectric constant and low dielectric loss tuned by varied grafting amount of polystyrene	Ting-Ying Zhang, Wen-Bin Huang, Nan Zhang, Ting Huang, Jing-Hui Yang, Yong Wang	Southwest Jiaotong University
2	The effect of partial fibrillation induced by hot-pressing on property enhancement of poly (para-phenylene terephthalamide) (PPTA)-based composite	Yong-Sheng Zhao La-Mei Wang Zhao-Qing Lu	Shanxi University of Science and Technology
3	Stretchable, conductive porous materials with super liquid-repellent properties for smart sensing	Zhi-Xiang Li, Li-Jun Ye, Yong-Jin Li	Hangzhou Normal University
4	Quality monitoring and stability control in injection molding process	Xun-Dao Zhou, Yun Zhang, Ting Mao	Huazhong University of Science and Technology
5	Effect of irradiation-induced grafting polytetrafluoroethylene micropowder on surface property of holographic embossed materials	Hui Wanga, Hong-Wei Ge, Zhi-Fang Yang, Yong-Hui Liao, Cheng-Fu Zheng, Xing-Ping Zhou, Xiao-Lin Xie	Huazhong University of Science and Technology
6	Preparation and properties of polyimide/hollow glass microsphere composite films with high temperature resistance	Ping Zhang, Hai-Yan Peng, Yong-Gui Liao, Zhi-Gang Xue, Xing-Ping Zhou, Xiao-Lin Xie	Huazhong University of Science and Technology
7	Methacrylate bearing urethane unite as reactive Plasticizers to enhance elongation at break and tensile strength	Kai Li, Yong Wang, Xing-Ping Zhou, Xiao-Lin Xie	Huazhong University of Science and Technology
8	A novel polymer electrolyte based on polymeric ionic liquid-functionalized cellulose for lithium batteries	Qing-Xuan Shi, ^a Yun -Sheng Ye, Xiao-Lin Xie and Yiu -Wing Mai	Huazhong University of Science and Technology
9	Silica coated carbon nanotubes incorporated quaternized chitosan composite alkaline polymer electrolytes	Chun-Li Gong, ^a Hai Liu, Bing-Qing Zhanga, Sheng Wen	Hubei Engineering University



No.	Title	Author	Institution
10	Thermal conductive epoxy/hexagonal boron nitride nanosheets /ionic liquid composites	Xiong-Wei Lia, Yun-Sheng Ye, Xiao -Lin,Xie, and Yiu-Wing Mai	Hubei Engineering University
11	Anisotropic thermally conductive flexible films based on oxidized cellulose nanocrystal and self-aligned reduced grapheme oxide	Hong -Xia Zeng,a Yun Sheng Ye, Xiao-Lin Xie and Yiu-Wing Mai	Huazhong University of Science and Technology
12	Analysis of several polymeric materials with terahertz spectroscopy in the frequency range of 1.5 - 6.0 THz	Ling-Ling Zhou,Meng Li,John E. Fletcher, Liang Liang,, Min- Ming Tonga and Yu-Xin Dua	University of New South Wales
13	Stretchable, conductive porous materials with super liquid-repellent properties for smart sensing	Zhi-Xiang Li, Li-Jun Ye, Yong- Jin Li	Hangzhou Normal University
14	The thermoelectric properties of pedot:pss/gqds/swnt thin film	N. N. Cao, X. L. Cheng, Y. G. Wu, Y. F. Zhang, F. P. Du	School of Materials Science and Engineering, Wuhan Institute of Technology
15	Thermoelectric properties of polyaniline/ polystyrenesulfonate/silver nanowires composites	Q. Q. Li, X. L. Cheng, Y. G. Wu, Y. F. Zhang, F. P. Du	Wuhan Institute of Technology
16	Ultrathin flexible reduced graphene oxide/ cellulose nanofiber composite films with strongly anisotropic thermal conductivity and efficient electromagnetic interference shielding	Wei-Xing Yang	Sichuan University
17	Preparation of high-performance poly(L-lactide) fibers by crystalline modification with the aid of fibrillar nucleating agent	Zhang-Huixian, Hongwei Bai, Qiang Fu	Sichuan University
18	Constructing conductive multi-walled carbon nanotubes network inside hexagonal Boron nitride network in polymer composites for significantly improved dielectric property and thermal conductivity	Kai Wu	Sichuan University



No.	Title	Author	Institution
19	A model with the consideration of mixing energy for polyelectrolyte gels	Isamu Riku and Koji Mimura	Osaka Prefecture University
20	Selective distribution and migration of carbon nanotubes enhanced electrical and mechanical performances in polyolefin elastomers	Tao Gong , Rui-Ying Bao , Wei Yang , Ming-Bo Yang	Sichuan University
21	PVDF/CF conductive composites with high sensitivity and stable reproducibility of positive temperature coefficient effect	Hui-Zhao Zou, Xi Zhang, Shao-Di Zheng, Wei Yang, Zheng-Ying Liu, Ming-Bo Yang, Jian-Ming Feng	Sichuan University
22	Self-assembled sponge-like chitosan/reduced graphene oxide/montmorillonite composite hydrogels without cross-linking of chitosan for effective Cr(VI) sorption	Peng Yu, Rui-Ying Bao, Wei Yang , Ming-Bo Yang	Sichuan University
23	The study of four-arm PLA grafted silica nanoparticles and the properties of PLA/4A-PLA-grafted-SiO₂ nanocomposites	Xiang-Ling Lai, Ming-Bo Yang	Sichuan University
24	Tailoring co-continuous like morphology in blends with highly asymmetric composition by multi-walled carbon nanotubes: Towards high-performance and biodegradable polylactide/poly(3-hydroxybutyrate-co-4-hydroxybutyrate) blends	Tao Gao, Yuan-Yuan Li, Rui-Ying Bao, Zheng-Ying Liu, Bang-Hu Xie, Ming-Bo Yang, Wei Yang	Sichuan University
25	Polyethylene glycol/graphene oxide aerogel shape-stabilized phase change materials for photo-to-thermal energy conversion and storage via tuning the oxidation degree of graphene oxide	Li-Sheng Tang, Jie Yang, Rui-Ying Bao, Zheng-Ying Liu, Bang-Hu Xie, Ming-Bo Yang, Wei Yang	Sichuan University
26	Supercooling-dependent morphology evolution of an organic nucleating agent in poly(L-lactide)/poly(D-lactide) blends	Sen-Qi Shen, Rui-Ying Bao, Zheng-Ying Liu, Wei Yang, Bang-Hu Xie and Ming-Bo Yang	Sichuan University
27	Constructing a special 'sosatie' structure to finely dispersing MWCNT for enhanced electrical conductivity, ultra-high dielectric performance and toughness of iPP/OBC/MWCNT nanocomposites	Xiang-Jun Zha, Ting Li, Rui-Ying Bao, Lu Bai, Zheng-Ying Liu, Wei Yang, Ming-Bo Yang	Sichuan University



No.	Title	Author	Institution
28	The achievement and functionalization of ultralow percolation threshold tri-continuous morphology in PVDF/PS/HDPE ternary blend	Yan Shao, Bo Yin, Ming-Bo Yang	Sichuan University
29	Preparation of insulating thermal conductive polyamide 6 based composites with balanced performance	Hui Han, Shao-Di Zheng, Xiao-Fang Zheng, Zheng-Ying Liu, Wei Yang and Ming-Bo Yanga	Sichuan University
30	Lipid soluble tea polyphenols Stabilized ultra high molecular polyethylene for total joint implants	Yue Ren, Hua-Mo Yin, Jia-Zhuang Xu, Zhong-Ming Li	Sichuan University
31	Synergetic enhancement of thermal conductivity by constructing hybrid conductive network in the segregated polymer composites	Zhi-Guo Wang, Jia-Zhuang Xu, Zhong-Ming Li	Sichuan University
32	Influence of oriented segregated structure on electromagnetic shielding property	Wan-Cheng Yu, Jia-Zhuang Xu, Zhong-Ming Li	Sichuan University
33	Crystallization behavior of stereocomplex (SC) under coexistence of pressure and flow fields	Ying-nan Song, Jun Lei, Zhong-Ming Li	Sichuan University
34	Preparation and properties of regenerated cellulose hydrogel with high strength and high toughness	Biao Yang, Gan-Ji Zhong, Zhong-Ming Li	Sichuan University
35	lightweight and strong carbon nanotube aerogel for efficient electromagnetic interference shielding	Meng-Zhu Li, Li-Chuan Jia, Xiao-Peng Zhang, Ding-Xiang Yan, Zhong-Ming Li	Sichuan University
36	Crystallization behaviors of β-iPP under pressure	Jian-Mei Lin, Jun Lei, Zhong-Ming Li	Sichuan University
37	The interplay of pressure-induced ECCs and CTAB-induced polar phase in poly(vinylidene fluoride)	Jia-Yi Ren, Yue Li, Gan-Ji Zhong, Zhong-Ming Li	Sichuan University
38	Room-temperature processing baroplastic based MWCNT conductive composites for electromagnetic interference shielding	Zhi Lv, Jun Lei, Zhong-Ming Li	Sichuan University
39	Synthesis of core-shell particle for transparently toughened PLA	Yuan Chen, Gan-Ji Zhong, Zhong-Ming Li	Sichuan University

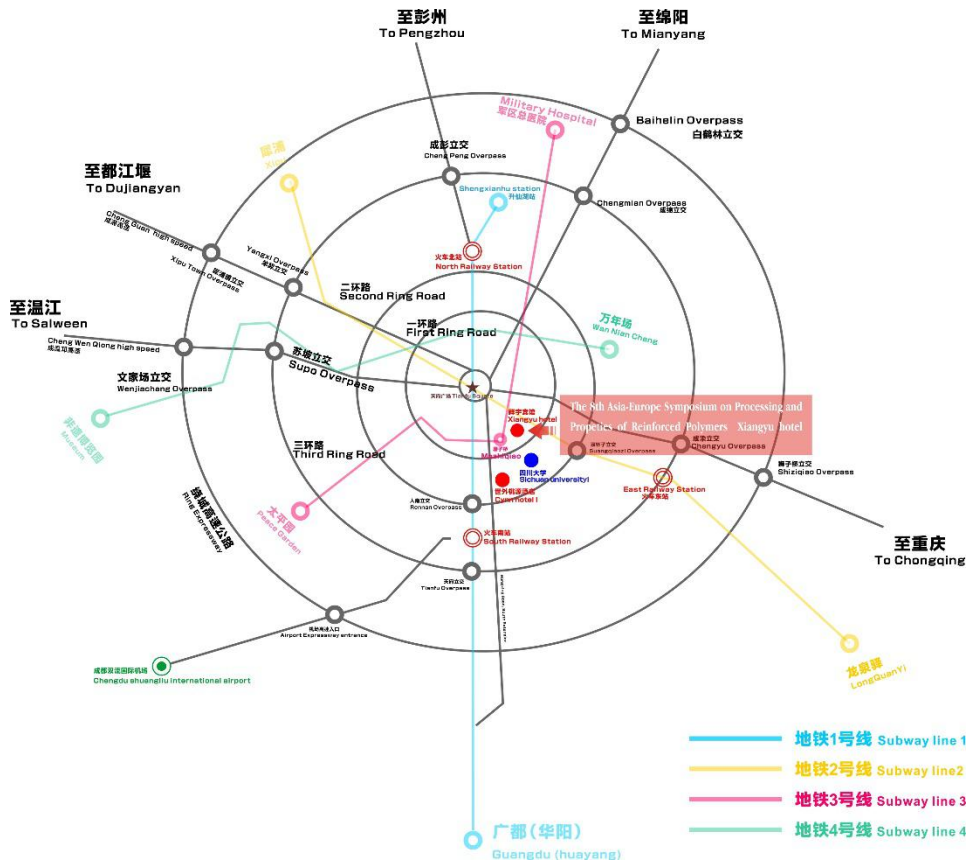


No.	Title	Author	Institution
40	Achievement of segregated carbon nanotube/polypropylene composite via injection molding for electromagnetic interference shielding	Hong-Yuan Wu, Li-Chuan Jia , Ding-Xiang Yan, Zhong-Ming Li	Sichuan University
41	Mechanical enhancement of olefin-block copolymer by using biodegradable Polylactic acid	Bo-Wen Yu, Si-Rui Fu, Ke Wang, Qiang Fu	Sichuan University
42	Interfacial adhesion of polymer blends using Janus POSS star polymer: two is better than one	Di Han, Qiang Fu	Sichuan University
43	Revealing the polymorphism of isotactic polypropylene transcrystallinity using gradient temperature field	Jing Zhao, Chen Lu, Shuo Guo, Ke Wang, Qiang Fu	Sichuan University
44	Effects of glass fiber modifiers on the performance of poly(lactic acid) composites	Meng-Fan Jing, Qiang Fu	Sichuan University
45	Effect of ball milling and phosphoric acid treatment on the properties of short Kevlar fiber reinforced polypropylene	Si-Rui Fu, Feng Chen, Qiang Fu	Sichuan University
46	Three-dimensional Thermal Stress Analysis of Poly(Lactic acid) Spherulites	Hang-Hang Wei	Zhengzhou university, China

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4.Appendix 1: Xiangyu Hotel Traffic Route



Reference of track:

North Railway Station——Xiangyu hotel, Chengdu

Subway: take line 1 (Sheng Xian lake—Guangdu Station), from North Railway Station to Sichuan Gymnasium(Total seven station) , and change the line. Take line 3 (Chengdu Junqu General Hospital Station— Taiping Yuan Station), from Sichuan Gymnasium to Mozi bridge Station(Total one station), walking 100 meters to the hotel from Mozi bridge Station (A) .

Drive/ Taxi: from North Railway Station to Xiangyu hotel total eight kilometers, above 24 minutes, cost CNY 20 (Just for conference).

East Chengdu Railway Station——Xiangyu hotel, Chengdu

Subway: take line 2 (Chengdu Institute of Public Administration—Xipu Station), from East Chengdu Railway Station to Chunxi Road Station(Total Six station) , and change the line. Take line 3 (Chengdu Junqu General Hospital Station— Taiping Yuan Station), from Chunxi Road Station to Mozi bridge Station(Total two station), walking 100 meters to the hotel from Mozi bridge Station (A) .

Drive/ Taxi: from East Chengdu Railway Station to Xiangyu hotel total eleven kilometers, above 30 minutes, cost CNY 30 (Just for conference).

South Railway Station——Xiangyu hotel, Chengdu

Subway: take line 1 (Sheng Xian lake—Guangdu Station), from South Railway Station to Sichuan Gymnasium(Total three station) , and change the line. Take line 3 (Chengdu Junqu General Hospital Station— Taiping Yuan Station), from Sichuan Gymnasium to Mozi bridge Station(Total one station), walking 100 meters to the hotel from Mozi bridge Station (A) .

Drive/ Taxi: from South Railway Station to Xiangyu hotel total five kilometers, above 15minutes, cost CNY 15 (Just for conference).

Chengdu Shuangliu international Airport——Xiangyu hotel, Chengdu

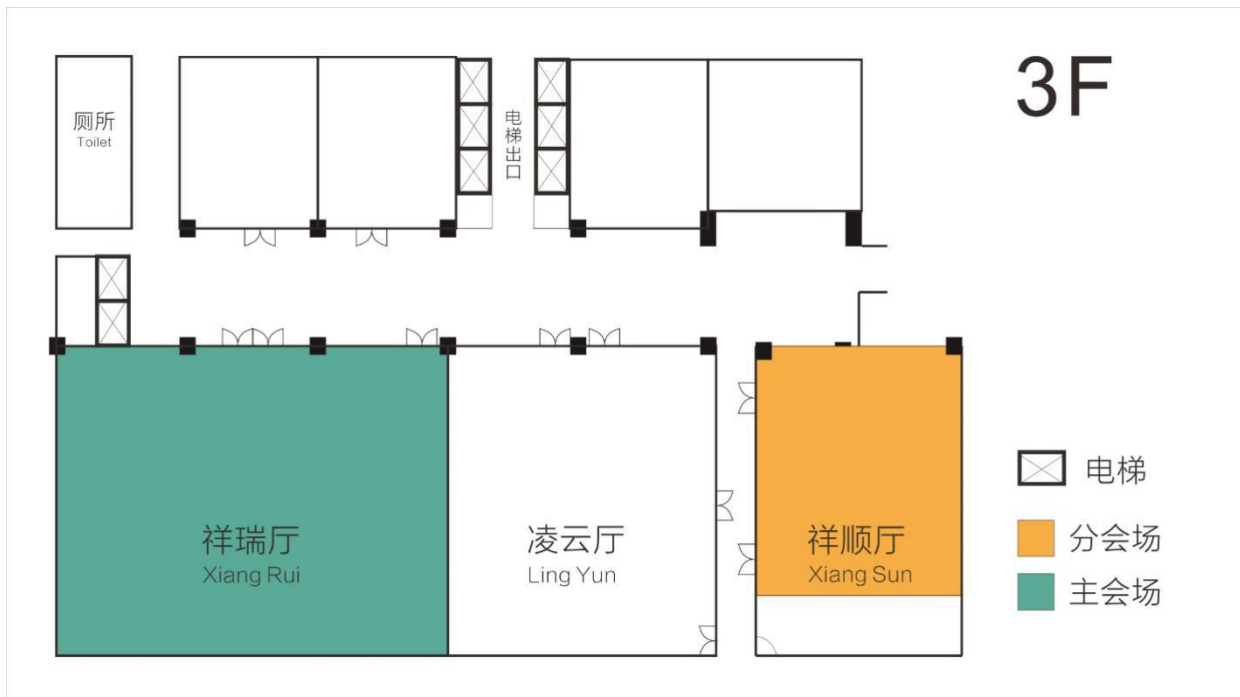
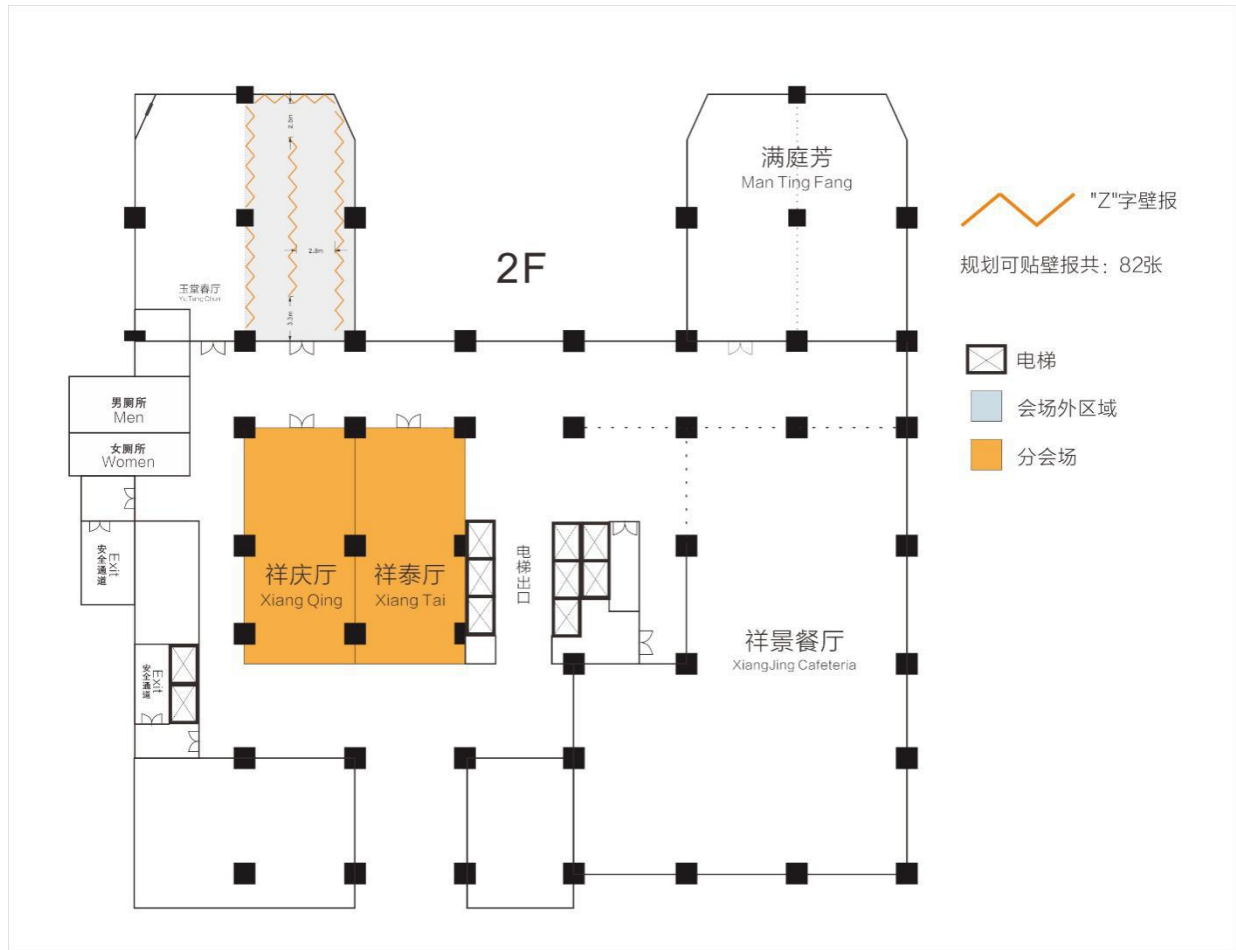
Bus: take Chengdu Airport line 1, from airport to Sichuan Gymnasium (Total two station), and change the transport way to take subway line 3 (Chengdu Junqu General Hospital Station— Taiping Yuan Station), from Sichuan Gymnasium to Mozi bridge Station(Total one station), walking 100 meters to the hotel from Mozi bridge Station (A) .

Drive/ Taxi: from Chengdu Shuangliu international Airport to Xiangyu hotel total twenty kilometers, above 45minutes, cost CNY 50 (Just for conference).

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5. Appendix 2 : Planar graph of Xiangyu Hotel





6.Hotel

Conference Hotel 1:Xiangyu Hotel ,Chengdu

(No. 103, New south road, Wuhou District)

Conference Hotel 2:Cynn Hotel

(No. 69, North of Kehua road, Wuhou District)

7.Conference Contact

1) Conference Responsible	Qiang Fu	
2) Conference Program	Hua Deng 13678088091	
3) Conference Registration	Jiazhuang Xu 18780206068	Xueping Xie 13982038225
4) Conference Finance	Xiaohui Liu 13881827903	Guanying Yu 18200376299
5) Conference Catering	Weifeng Zhao 18215656807	Jingyuan Deng 18224471562
6) Conference Hotel	Weifeng Zhao 18215656807	Shasha Yang 13982086903
7) Venue arrangement	Yue Wang 15208288089	Danhui Luo 18224418178
8) Poster	Xu Wang 18828053345	Xiaoxuan Yang 18628026526
9) Tour	Yue Wang 15208288089	Xueping Xie 13982038225

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8. Introduction of the organizer

As a national key subject, Polymer Science and Engineering discipline in Sichuan University was firstly found in 1953 by Prof. Xu Xi (Member of Chinese Academy of Sciences). It is also a key subject of “211 Project” and “985 Project”. The discipline was established as the first college of polymer science and engineering among all the national key universities of China. The discipline has retained and built upon the strong values of its founders, developing as a national and international institution that is responsive to the needs of contemporary society while remaining consistent with the spirit of its origins.

The discipline is composed of State Key Laboratory of Polymer Material Engineering, Polymer Research Institute, four departments (Department of Polymer Materials, Department of Polymer Materials Processing Engineering, Department of Polymer Science, and Department of Iatrical Polymer Material and Artificial Apparatus), and Chemical Fiber Research Center. The research interests include polymer structure and property, synthesis and modification, preparation and molding, and development of new materials.

The materials under research include general plastics, special type engineering plastics, compounded materials, functional polymers, natural macromolecules, chemical fibers, iatrical polymer materials, tissue engineering material and artificial apparatus. The discipline offer 5 majors and concentrations, with degrees from bachelor to Ph.D. Programs were set for both undergraduate and graduate students accredited by Ministry of Education. In the past 50 years, the discipline has nurtured nearly 10000 specialized personnel in polymer science and engineering. As in the year 2016, we have 2151 students enrolled, including 1391 undergraduates, 603 master students and 158 Ph.D students.

The discipline has a competent teaching force, with a total staff of 174, among whom 3 Cheung Kong Scholars; 4 Distinguished Young Scholars of National Nature Science Foundation of China; 8 “Backbone Teacher” accredited by Ministry of Education; 46 professors; 30 tutors of Ph.D students; 54 associate professors, senior engineers and senior experiment list. Besides, 19 of them enjoys special government allowances.

The discipline has great potentiality in scientific research. Between year 2011 to 2016, around 280 national and provincial level scientific research projects (including 863 project, 973 project and



National Nature Science Foundation of China), 12 international programs, 500 projects commissioned by the military and business cooperation have been undertaken and completed, with a total research funding of 350 million RMB. The discipline has won 9 national and provincial-level S&T incentives, published more than 2000 academic papers (1601 indexed by SCI, 1537 indexed by EI), has obtained 237 authorized patents (including invention and utility). The discipline attaches great importance to academic exchanges and cooperation, have established close ties with many famous domestic and foreign businesses, universities and research institutions, focus on collaborative research and personnel training in the frontier of polymer materials science and engineering.

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9. Notes

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The 8th Asia-Europe Symposium on Processing and
Properties of Reinforced Polymers

中国 成都
Chengdu, China
June 29th - July 2nd, 2017

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厚城新材
HOUCHEG NEW MATERIAL

厚于德 诚于信

Houcheng New Material Sichuan Co.,Ltd

Houcheng new material Sichuan co., LTD. Was established in April 2013, located in food and medicine industrial park of Economic Technologic Development Sichuan Jianyang, which covers an area of 60 acres. We have so good a geographical position and convenient traffic , at the intersection of Chengdu-Chongqing expressway, chengyu expressway, the second round expressway of Chengdu.We product and sale the cast Barrie PE film used for food and medicine package .including research and development by 120 million investment. In Sichuan ,We are the first who introduced the domestic multi-layer melt cast extrusion that is advanced In the domestic.Capacity of the first machinery is 40000 tons film used in food, medicine, sanitary products package. As the big cast PE film maker, We are on sale all over the country, exported to southeast Asia also.

The company philosophy is "virtue and good faith". In order to develop the new technique and new products ,besides Independent research , we cooperated with university. We hope to development by good quality and attaches importance to the enterprise management, pursue the policy of "make innovation, good quality ,according marketing needs , satisfy customer ". We will service customer wholeheartedly by high standards and rigorous method.



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Nanjing Julong Science & Technology Co.,Ltd was established at Nanjing National Hi-Tech Development Zone on April,1999 .It was reorgnized as the current "Nanjing Julong Science & Technology Co.,Ltd" from September of 2009.

About 400 modified plastics are developed by the company , including PA66, PA6, PP,ABS,PBT and PC, which have specific properties on strengthen, toughening, fire resistance, wearability, aging resistance, ultraviolet resistance, high-impact strength, antistatic modification and electric conduction etc.. The products are widely applied to automobiles, railways, electronic appliance,instruments, machines, sports and

recreations. WPC productions are manufactured with forestry and agricultural residues , such as rice hulls, straws and sawmillings, as the main materials. WPC has the properties of plastic and wood at the same time. In many cases, it could be used instead of wood. PVC profile material has excellent properties on weatherability, corrosive resistance and dimensional stability, which make it durable, heat retaining and energy-efficient even in dreadful conditions.

In recent years, the company contributes to about 30 national science projects and achieves great results on research and industrialization. 32 items are applied for patent, and 24 of them are obtained patents.

The company is graded as The National Key Hi-tech Company, Jiangsu Hi-Tech Company, Jiangsu Innovation Company, and Scientific Private Enterprise. The Research Institute settled in company provides an underlying platform for professional research, personnel training, and commercialization of research



findings. China Engineering Plastic Website and China WPC Website it created and managed receive considerable acclaim from professionals, and become the websites appointed by the professional associations. The company passed the certificate of ISO9001:2008 and ISO/TS16949:2009. And ERP system applied leads the company to a development road of scientific decision, scientific management, and scientific management.



- 玻璃纤维增强RTP管成套技术与设备
Fiberglass RTP Production Line
- 钢丝网骨架增强（耐磨）管成套技术与设备
Steel Wire Reinforced PE Pipe Production Line
- 钢带增强聚乙烯螺旋波纹管成套技术与设备
Steel Reinforced Corrugated Pipe Production Line

材料联合研发商

四川鑫成新材料科技有限公司
 SICHUAN XIN CHENG NEW MATERIAL TECHNOLOGY CO., LTD.

地址：四川天府新区视高经济开发区
 电话：(028) 37710838
 E-mail: 1139040632@qq.com
<http://www.xcxcl.com>

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地址：成都市家园路8号大地新光广场A1区8楼 邮编：610072
 电话：(028) 87086857、87086858、87086859、87086860转808
 传真：(028) 87086861 E-mail: goldstone@goldstone-group.com
<http://www.goldstone-group.com>



Sichuan Goldstone Orient New Material Equipment Inc.

Sichuan Goldstone Orient New Material Equipment Inc. Is a China innovation stock market listed cooperation(Code:300434) which specialized in researching, developing, manufacturing and selling up-to-date composite pipe production line.

Since the day of establishing, Goldstone has applied its own mind to develop new composite plastic pipe and the production solution. With the efforts of a group of experienced experts in plastic industry, Goldstone has successfully developed various products to meet market needs, like "large size steel reinforced corrugated PE pipe production line", "steel wire reinforced PE pipe production line", "fiberglass reinforced high pressure RTP production line", "innovative abrasion resistant pipe for mining & dredging" etc. Goldstone has also got more than 60 patents for its new products. Till now, there are more than 1000 pipe production lines running in customers all over the world.

"In plastic machinery, especially in plastic composite pipe industry, Goldstone is the technology leader"

Add : 8th Floor, A1 of Dadi New Guanghua Plaza, No.8 of Jia Yuan Road, Chengdu

Tel : 0086-28-87086857、 87086858

Fax : 0086-28-87086861

Web : <http://www.goldstone-group.com>

E-mail : goldstone@goldstone-group.com

Material Supplier : Sichuan Xincheng New Material Technology Co., Ltd.

Tel : 0086-28-37710838

Web : <http://www.xcxcl.com>

E-mail : 1139040632@qq.com