August 4	Registration 8:30-18:30	Welcome Dinner (Café Pacifica 17:30-20:30)	
August 5 8:30-11:50	Opening Ceremony Plenary Lectures (3F Ballroom 2+3)		
August 5 14:00-17:35	Session A (3F Tianyi Auditorium)	Session B (3F Sun Lake)	Session C (3F Pacific 1)
August 5 19:00-21:00	Poster Session (3F Tianyi Auditorium Foyer)		
August 6 9:00-11:45	Session D (3F Tianyi Auditorium)	Session E (3F Sun Lake)	Session F (3F Pacific 1)
August 6 14:00-17:10	Session G (3F Tianyi Auditorium)	Session H (3F Sun Lake)	Session I (3F Pacific 1)
August 7 9:00-11:45	Session J (3F Tianyi Auditorium)	Session K (3F Sun Lake)	Session L (3F Pacific 1)
August 7 14:00-17:10	Session M (3F Tianyi Auditorium)	Session N (3F Sun Lake)	Session O (3F Pacific 1)
August 7 18:00-21:00	Farewell Dinner (3F Ballroom 1)		

August 5 3F Ballroom 2+3

Opening Ceremony

8:30~8:35 Dujin Wang — Institute of Chemistry, CAS

Plenary Lectures

Chair: Piet J. Lemstra

8:35~9:15 Stephen Z. D. Cheng — South China University of Technology

Superlattice engineering of giant molecules: Soft supramolecular alloys

9:15~9:55 Xiao 'Matthew' Hu — Nanyang Technological University

A journey in high-performance network polymers: Stimuli response, precision 3D printing and sustainability

9:55~10:30 Group Photo and Coffee Break

Chair: Philip Coates

10:30~11:10 Gregory Solan — University of Leicester

Late TM olefin polymerization catalysis: From concept to industrial application

11:10~11:50 Zhibo Li — Qingdao University of Science and Technology

Organocatalyzed ring opening polymerization towards sustainable polymers

August 5: Session A 3F Tianyi Auditorium

Topic: Synthesis and Polymerization

Chair: Wei You

14:00~14:25 Yongfang Li — Institute of Chemistry, CAS

Polymerized small molecule acceptors and giant molecucle acceptors for high performance polymer solar cells

14:25~14:50 Junwei Gu — Northwestern Polytechnical University

Intrinsically thermally conductive liquid crystalline polyimide and its composite films

14:50~15:15 Wenxin Fu — Institute of Chemistry, CAS

Benzocyclobutene-based low-κ polymeric materials for advanced packaging

15:15~15:40 Haobin Zhang — Beijing University of Chemical Technology

Polymer nanocomposites for efficient electromagnetic interference shielding

15:40~15:55 Coffee Break

Chair: Wenxin Fu

15:55~16:20 Jie Liu — Institute of Chemistry, CAS

Molecular design of polymer interfaces for anti-icing

16:20~16:45 Yanshan Gao — Shanghai Institute of Organic Chemistry, CAS

Olefin insertion regiochemistry in constructing polyolefins with unique structures and properties

16:45~17:10 Haobing Wang — South China University of Technology

Self-healing polyolefin elastomers by rare-earth-catalyzed olefin (co)polymerizations

17:10~17:35 Wei You — Institute of Chemistry, CAS

Facile preparation of polyethylene derivatives from Mitsunobu functionalization of commercial EVA

August 5: Session B 3F Sun Lake

Topic: Crystallization and Phase Transition

Chair: Wenbing Hu

14:00~14:25 Alejandro J. Müller — University of the Basque Country UPV/EHU

The effects of chemical structure and molecular weight on melt memory of semi-crystalline polymers

14:25~14:50 Yongfeng Men — Changchun Institute of Applied Chemistry, CAS

Statistical aspect of mechanical properties of polyethylene

14:50~15:15 Pengju Pan — Zhejiang University

Critical role of chain entanglement in polymorphic crystallization and phase transition of polymers

15:15~15:40 Juan Peng — Fudan University

Controlling the crystalline structure of polythiophene-based conjugated polymers

15:40~15:55 Coffee Break

Chair: Alejandro J. Müller

15:55~16:20 Wenbing Hu — Nanjing University

Understanding thermoplastic elastomers in strain-induced crystallization

16:20~16:45 Shouke Yan — Beijing University of Chemical Technology

Structure regulation of poly(lactic acid) thin films

16:45~17:10 Weichao Shi — Nankai University

Polymer phase transitions at double emulsion interfaces

August 5: Session C 3F Pacific 1

Topic: Polymer processing

Chair: Ping Gao

14:00~14:25 Qi Wang — Sichuan University

Advanced foaming technologies for high-performance and multi-functional polymer foams and parts

14:25~14:50 Theo Tervoort — ETH Zurich

Finite nonlinear elasto-viscoplastic modeling of the ultra-drawing process leading to high-performance polyethylene fibers spun from vegetable oils

14:50~15:15 Yongyan Pang — Ningbo Institute of Materials Technology and Engineering, CAS

How phase morphology, crystallization and nanoparticle change the foaming temperature window of polymer systems?

15:15~15:40 Shuguang Yang — Donghua University

Polymer complexation for low dimension materials

15:40~15:55 Coffee Break

Chair: Theo Tervoort

15:55~16:20 Philip Coates — University of Bradford

Enhancing polymer properties by solid phase orientation processing: research to products

16:20~16:45 Ping Gao — The Hong Kong University of Science and Technology (Guangzhou)

Ultrastrong and porous polyethylene nanofilms with delaunay topological pores

16:45~17:10 Ganji Zhong — Sichuan University

Toward high performance by stress-induced hierarchical structure during polymer processing

17:10~17:35 Jingquan Liu — Qingdao University

Polymer/graphene composites prepared via RAFT mechanism for efficient chemical removal of air pollutants

August 6: Session D 3F Tianyi Auditorium

Topic: Synthesis and Polymerization

Chair: Zhongbao Jian

9:00~9:25 Andrew Whittaker — University of Queensland

Sequential infiltration synthesis: From fundamental studies to block copolymer infiltration

9:25~9:50 Yang Wang — University of Chinese Academy of Sciences

Single site high performance olefin polymerization catalysts

9:50~10:15 Qaiser Mahmood — Chemistry and Chemical Engineering Guandong Laboratory

Transition metal catalyzed synthesis of polyolefin thermoplastic elastomers

10:15~10:30 Coffee Break

Chair: Andrew Whittaker

10:30~10:55 Zhongbao Jian — Changchun Institute of Applied Chemistry, CAS

Polyethylene-based materials with versatile functions

10:55~11:20 Yixian Wu — Beijing University of Chemical Technology

Synthesis of high performance ethylene-propylene elastomer by advanced catalyst

11:20~11:45 Shaofeng Liu — Qingdao University of Science and Technology

Non-metallocene catalysts toward olefin polymerization with high activity and great control on molecular weight and distribution

11:45~12:10 Jean Raynaud — Lyon University

Catalysis to construct, deconstruct and reconstruct polymers

August 6: Session E 3F Sun Lake

Topic: Structure Characterization

Chair: Eamor Woo

9:00~9:25 Joachim Loos — South China University of Technology

A vision on advanced imaging for soft matter sciences

9:25~9:50 Haijin Zhu — Guangdong Technion-Israel Institute of Technology

NMR study of proton exchange and transport in polymerized ionic liquids

9:50~10:15 Liangyi Song — Xenocs China

Investigating samples with laboratory SAXS under various in-situ conditions

10:15~10:30 Coffee Break

Chair: Joachim Loos

10:30~10:55 Eamor Woo — National Cheng Kung University

Synchrotron X-ray microbeam diffraction coupled with 3D microscopy for probing periodic self-assembly in polymeric crystal aggregates

10:55~11:20 Dong Wang — Beijing University of Chemical Technology

Probing surface and interface properties of dynamic polymer networks

11:20~11:45 Dong Qiu — Institute of Chemistry, CAS

Solvent-exchange to tailor the mechanical properties of poly(vinyl alcohol) based materials

August 6: Session F 3F Pacific 1

Topic: Polymer Processing

Chair: Dario Cavallo

9:00~9:25 Jinliang Qiao — SINOPEC Beijing Research Institute of Chemical Industry

Amphiphilic superspreading polymer membranes prepared by capillary force-driven self-assembly

9:25~9:50 Yongjin Li — Hangzhou Normal University

Tailoring asymmetric filler arrangement towards enhanced through-plane thermal conductivity of engineering plastics

9:50~10:15 Wei Feng — Dongyue Group Institute

Effect of sintering process on mechanical properties of polytetrafluoroethylene

10:15~10:30 Coffee Break

Chair: Jinliang Qiao

10:30~10:55 Dario Cavallo — University of Genoa

Inter-layer adhesion in material extrusion 3D printing: Effect of processing and molecular variables

10:55~11:20 Lixin Wu — Fujian Institute of Research on the Structure of Matter, CAS

High-performance and functional 3D printing elastomers and their applications

11:20~11:45 Xiang Lin — Beijing University of Chemical Technology

Mechanical control of additively manufactured elastomers

August 6: Session G 3F Tianyi Auditorium

Topic: Functional Polymers

Chair: Dongsheng Liu

14:00~14:25 Jianjun Wang — Technical Institute of Physics and Chemistry, CAS

Construction of ice-binding materials for cryopreservation of cells and tissues

14:25~14:50 Zhihua Gan — Beijing University of Chemical Technology

The application of nanomedicine in the intravesical instillation therapy of non-muscle invasive bladder cancer

14:50~15:15 Jing Sun — Jilin University

Antimicrobial nanostructured assemblies from amp-mimetic polypeptoids with extremely low toxicity and potent activity

15:15~15:30 Coffee Break

Chair: Jianjun Wang

15:30~15:55 Dongsheng Liu — Tsinghua University

Supramolecular DNA hydrogel

15:55~16:20 Zongbo Zhang — Institute of Chemistry, CAS

Flexible hard coating for transparent polymer films

16:20~16:45 Pengcheng Ma — Xinjiang Technical Institute of Physics and Chemistry, CAS

Aggregation-induced oil-water separation with presence of polymer materials

16:45~17:10 Nanying Ning — Beijing University of Chemical Technology

Dielectric elastomer materials for microgenerator with high energy density

August 6: Session H 3F Sun Lake

Topic: Structure and Properties

Chair: François Boué

14:00~14:25 Xinhua Wan — Peking University

Efficient preparation of tailor-made polymeric additives for crystallization resolution of racemic compounds

14:25~14:50 Guoming Liu — Institute of Chemistry, CAS

Conformation, aggregation, and solid-state structure of crystalline conjugated polymers

14:50~15:15 Yajun Cheng — Ningbo Institute of Materials Technology and Engineering, CAS

Application of polymeric additive in high performance lithium-ion batteries

15:15~15:30 Coffee Break

Chair: Xinhua Wan

15:30~15:55 Di Jia — Institute of Chemistry, CAS

Self-assembly of the dipole-driven physical polyzwitterions in solutions: Biology and beyond

15:55~16:20 François Boué — UMR CNRS-CEA

Effect of structure on digestion of proteins

16:20~16:45 Lili Wang — Qingdao University

Suppressed freezing tuned polymer amorphization for cryogels

August 6: Session I 3F Pacific 1

Topic: Biodegradable Polymers

Chair: Xianhong Wang

14:00~14:25 Jin Zhu — Ningbo Institute of Materials Technology and Engineering, CAS

Stimulated decomposable and biodegradable polymers

14:25~14:50 Jun Xu — Tsinghua University

Biodegradable polyesters synthesized from diacids and diols: From academic research to industrial applications

14:50~15:15 Piming Ma — Jiangnan University

Can engineering plastic becomes bio-based and/or biocompostable?

15:15~15:30 Coffee Break

Chair: Jin Zhu

15:30~15:55 Xianhong Wang — Changchun Institute of Applied Chemistry, CAS

Construction material system based on PPC

15:55~16:20 Liuchun Zheng — Tiangong University

Synthesis, modification, industrialization and nanomaterials of PBS

16:20~16:45 Xiaoqing Liu — Ningbo Institute of Materials Technology and Engineering, CAS

Sustainable epoxy resins: From bio-based to degradable

16:45~17:10 Jinming Zhang — Institute of Chemistry, CAS

Room temperature phosphorescence materials from cellulose

August 7: Session J 3F Tianyi Auditorium

Topic: Polymer Recycling and Upcycling

Chair: Tao Xie

9:00~9:25 Piet. J. Lemstra — Eindhoven University of Technology

Recycling of (engineering) plastics, quo vadis?

9:25~9:50 Changle Chen — University of Science and Technology of China

High-value transformation and upcycling of polyolefins

9:50~10:15 Hui Niu — Dalian University of Technology

Study on the strengthening and recycling of polypropylene based on dynamic covalent bonds

10:15~10:30 Coffee Break

Chair: Changle Chen

10:30~10:55 Tao Xie — Zhejiang University

Chemical upcycling of commodity polyurethane foam

10:55~11:20 Kotohiro Nomura — Tokyo Metropolitan University

Biobased aliphatic polyesters: Synthesis, properties and their catalytic chemical recycling, upcycling

11:20~11:45 Yanfeng Zhang — Xi'an Jiaotong University

Reinforcing and toughening recyclable polyurea and polyurethane

August 7: Session K 3F Sun Lake

Topic: Simulation and Modelling

Chair: Maosa Doi

9:00~9:25 Anchang Shi — McMast University

Regulating nanostructured polymeric materials via dispersity

9:25~9:50 Jiaping Lin — East China University of Science and Technology

AI-assisted design of high performance and functional polymers

9:50~10:15 Wenhong Yang — PetroChina Petrochemical Research Institute

High performance of polyethylene catalyst based on the artificial model by machine learning

10:15~10:30 Coffee Break

Chair: Anchang Shi

10:30~10:55 Masao Doi — Wenzhou Institute, University of Chinese Academy of Science

Diffusion-mechanical coupling-elastic effects in the diffusion of gels and polymer solutions

10:55~11:20 Wensheng Xu — Changchun Institute of Applied Chemistry, CAS

Can Johari-Goldstein relaxation be identified by non-Gaussian parameter in glass-forming polymer fluids?

August 7: Session L 3F Pacific 1

Topic: Elastomers

Chair: Hongzhi Liu

9:00~9:25 Ping Zhu — Institute of Chemistry, CAS

Fatigue characteristics of poly(ether-*b*-amide) elastomers during cyclic dynamic tensile/compression tests and the underlying microstructural evolution

9:25~9:50 Ruoyu Zhang — Ningbo Institute of Materials Technology and Engineering, CAS

Multi-scale structure in polyurethane and its application in medical catheters and flexible sensors

9:50~10:15 Miaoming Huang — Zhengzhou University

Structure and performance of intrinsic anti-UV thermoplastic polyurethane, recyclable cross-linked polythiourethane composites

10:15~10:30 Coffee Break

Chair: Ping Zhu

10:30~10:55 Hongzhi Liu — NingboTech University

Diisocyanate-induced dynamic vulcanization of difunctional fatty acids toward mechanically robust PLA blends

10:55~11:20 Gengsheng Weng — Ningbo University

Tough and self-healable elastomers through dynamic coordination cross-linking

11:20~11:45 Xiaoli Sun — Beijing University of Chemical Technology

The fabrication of polar poly(vinylidene fluoride) materials with improved piezo- and ferroelectric properties

August 7: Session M 3F Tianyi Auditorium

Topic: Functional Polymers

Chair: Aleksei Zezin

14:00~14:25 Huaping Xu — Tsinghua University

Non carbon inorganic backbone polytelluoxane

14:25~14:50 Chuanzhuang Zhao — Ningbo University

Regulating stimuli-responsiveness of intelligent polymers with hydrogen-bonding

14:50~15:15 Ning Zheng — Zhejiang University

Plasticity, reprocessing, and regeneration of dynamic covalent polymer networks

15:15~15:30 Coffee Break

Chair: Huaping Xu

15:30~15:55 Aleksei Zezin — Moscow State University

Biocidal coatings prepared from inerpolyelectrolyte complexes and metal polymer nanocomposites

15:55~16:20 Jinrong Wu — Sichuan University

Room-temperature autonomous self-healing glassy polymers

16:20~16:45 Tao Wen — South China University of Technology

Controlled room-temperature phosphorescence in phosphor-doped polymers: when "polymer physics" meets "triplet emissions"

16:45~17:10 Wenxi Gao — ExxonMobil Asia Pacific Research & Development Co. Ltd.

Reversible epoxy polymer with dynamic boronic bond

August 7: Session N 3F Sun Lake

Topic: Rheology and Dynamics

Chair: Wei Yu

14:00~14:25 Liangbin Li — University of Science and Technology of China

Shear banding in monodisperse polymer melt

14:25~14:50 Quan Chen — Changchun Institute of Applied Chemistry, CAS

Elongational rheology of entangled ionomers based on poly(hexyl methacrylate)

14:50~15:15 Gengxin Liu — Donghua University

Standard rheological characterizations using 2 mg of sample

15:15~15:30 Coffee Break

Chair: Liangbin Li

15:30~15:55 Wei Yu — Shanghai Jiao Tong University

Structures and linear rheology of polymer nanocomposites

15:55~16:20 Ziliang Wu — Zhejiang University

Mechanical and rheological behaviors of glassy hydrogels with dense and robust associative interactions

16:20~16:45 Biao Zuo — Zhejiang Sci-Tech University

Chain diffusion at surfaces of polymer glasses

August 7: Session O 3F Pacific 1

Topic: Polymer Processing

Chair: Jingshen Wu

14:00~14:25 Deyi Wang — IMDEA Materials Institute

Sustainable flame-retardant strategies for polymers: State-of-the-art and future perspectives

14:25~14:50 Ehsan Naderi Kalali — Southwest Jiaotong University

Eco-friendly and bio-based flame-retardant treatment of cotton fabric by a one-pot ultra-fast deposition approach

14:50~15:15 Xuzhou Yan — Shanghai Jiao Tong University

Mechanically interlocked polymers: Synthesis and structure-property relationship

15:15~15:30 Coffee Break

Chair: Deyi Wang

15:30~15:55 Jingshen Wu — Hong Kong University of Science and Technology

Challenges and opportunities in AI-empowered semiconductor packaging design

15:55~16:20 Xuezheng Cao — Xiamen University

Active nanoparticles strengthened and toughened gel of noncovalently-bonded supramolecular chains

16:20~16:45 Wei You — Shanghai Jiao Tong University

Modulus reinforcement of polymer nanocomposites: From well-dispersed to aggregated nanoparticles

16:45~17:10 Haq Nawaz — Huaiyin Normal University

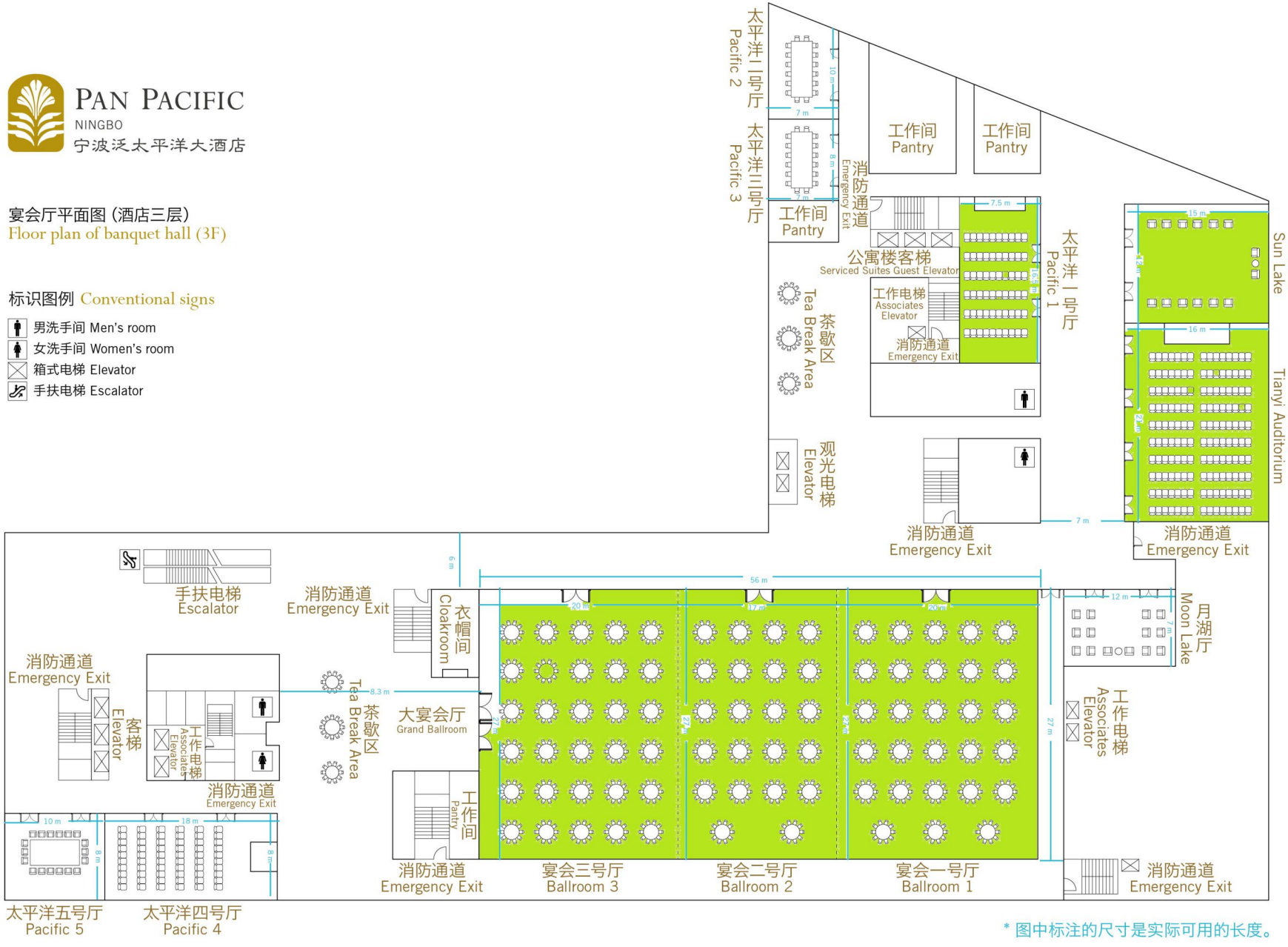
Design, synthesis and fabrication of cellulose-based smart materials for multi-purpose applications

PAN PACIFIC
NINGBO
宁波泛太平洋大酒店

宴会厅平面图 (酒店三层)
Floor plan of banquet hall (3F)

标识图例 Conventional signs

- 男洗手间 Men's room
- 女洗手间 Women's room
- 箱式电梯 Elevator
- 手扶电梯 Escalator



* 图中标注的尺寸是实际可用的长度。

THE TENTH INTERNATIONAL SYMPOSIUM
ON ENGINEERING PLASTICS

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