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Part I Conference Organization

Conference General Chair

Prof. Tingkai Zhao, School of Materials Science and Engineering, Northwestern Polytechnical University, China

Director, NPU-NCP Joint International Research Center on Advanced Nanomaterials & Defects Engineering, China

Director, Shaanxi Engineering Laboratory for Graphene New Carbon Materials and Applications, China

Technical Program Committee (TPC) Chair

Dr. Juan Guan, Associate Professor, School of Materials Science and Engineering, Beihang University, China

Technical Program Committee

Dr. Andrei Surženkov, Department of Mechanical and Industrial Engineering, Tallinn University of Technology, Estonia

Dr. Blaža Stojanović, Professor, University of Kragujevac, Serbia

Dr. Bo Zhao, Professor, China Special Equipment Inspection and Research Institute, China

Dr. Blerina Kolgjini, Professor, Department of Textile and Fashion, Polytechnic University of Tirana, Albania

Dr. Borzooye Jafarizadeh, Florida International University, USA

Dr. Yi Huang, Professor, Xi'an Jiaotong University, China

Dr. Jixi Zhang, Professor, Chongqing University, China

Dr. Changfang Zhao, Associate Professor, Hefei University of Technology, China

Dr. Juan Guan, Associate Professor, School of Materials Science and Engineering, Beihang University, China

Dr. Leonardo Pagnotta, Professor, Mechanical Engineering Design and Experimental Mechanics, University of Calabria, Italy

Dr. Maciej Mazur, Professor, University of Warsaw, Poland

Dr. Mohamed Metwally, New Mexico Institute of Mining and Technology, USA

Dr. Nadras Othman, Associate Professor, School of Materials & Mineral Resources Engineering, Universiti Sains Malaysia, Malaysia

Dr. Raul Duarte Salgueiral Gomes Campilho, Professor, School of Engineering, Instituto Superior de Engenharia do Porto (ISEP), Portugal

Dr. Santidan Biswas, University of Pittsburgh, USA

Dr. Satyanarayan, Department of Mechanical Engineering, Alva's Institute of Engineering Technology, India

Dr. Siyu Liu, University of Dundee, UK

Dr. Sin Yuan Lai, Xiamen University Malaysia, China

Dr. Weiqiang Han, Professor, Zhejiang University, China

Dr. Wenyi Wang, Hong Kong Polytechnic University, China

Dr. Xueshu Liu, Associate Professor, Dalian University of Technology, China

Part II Conference Schedule Summary

Monday, August 24, 2026

Time	Activity
14:00-18:00	Registration

Tuesday, August 25, 2026

Time	Activity
09:00-09:05	Welcome Speech
09:05-09:45	Keynote Speech 1
09:45-10:25	Keynote Speech 2
10:25-11:00	Group Photo & Coffee Break
11:00-11:40	Keynote Speech 3
11:40-12:20	Keynote Speech 4
12:20-14:00	Lunch Break
14:00-16:40	Session 1
16:40-17:40	Poster Presentation

Wednesday, August 26, 2026

Time	Activity
09:00-12:00	Session 2
12:00-14:00	Lunch Break
14:00-16:35	Session 3
18:30-20:00	Awarding Banquet

Thursday, August 27, 2026

Time	Activity
08:30-18:00	Field Visit

Part III Conference Schedule in Detail

DAY 1, August 24, 2026

14:00-18:00 Registration Lobby of Xi'an Guangcheng Hotel

Note for on-site registration:

- * Please let us know your name or abstract / paper number for registration.
- * Please pick up all the conference materials at the registration desk (Name Card, Conference Program, Dining Tickets, Tour Ticket etc.).

DAY 2, August 25, 2026

Opening Speech & Morning Keynote Session

Location 2F, Conference Room 1

Host *Prof. Tingkai Zhao, School of Materials Science and Engineering, Northwestern Polytechnical University, China*

09:00-09:05 **Welcome Speech**
Prof. Tingkai Zhao, School of Materials Science and Engineering, Northwestern Polytechnical University, China

09:05-09:45 **Keynote Speech 1: Polymer Functionalized nanoMOFs for Aqueous Lubrication and Drug Delivery**
Prof. Jianxi Liu, Northwestern Polytechnical University, China

09:45-10:25 **Keynote Speech 2: On the Stability of Metal-Organic Frameworks and the Impacts on Their Environmental Applications**
Prof. Yi Huang, School of Materials Science and Engineering, Xi'an Jiaotong University, China

10:25-10:35 Group Photo

10:35-11:00 Coffee Break

11:00-11:40 **Keynote Speech 3: Starch-Based Materials Reinforced by Cellulose Nano-Crystals from Different Resources and Fibrillary Celluloses with Different Strength and Diameter/Length Ratios**
Prof. Long Yu, Institute of Chemistry, Henan Academy of Sciences, China

11:40-12:20 **Keynote Speech 4: Thermal Management Materials and Modules**
Prof. Yanhui Chen, School of Chemistry and Chemical Engineering, Northwestern Polytechnical University, China

12:20-14:00 Lunch Break 1F, Cafeteria

Session 1: Functional Organic & Carbon Materials

Location 2F, Conference Room 1

Session Chair *Assoc. Prof. Xuejiao Liu, Chinese Academy of Sciences, China*

14:00-14:20 **Invited Speech PCM3537: Designing Carbon-Based Materials for Efficient Removal of Per- and Polyfluoroalkyl Substances from Drinking Water**
Assoc. Prof. Xuejiao Liu, Chinese Academy of Sciences, China

14:20-14:40 **Invited Speech PCM3544: Biodegradable and Thermoresponsive Hollow Porous Micro/Nanoparticles for Sustained Drug Release**
Prof. Ildoo Chung, Pusan National University, Republic of Korea

14:40-14:55 **PCM3549: A Spherical Imine-Linked Covalent Organic Framework for Multiplexed Electrochemical Sensing of Sulfonamide Antibiotics**
Prof. Jian Lin Chen, Hong Kong Metropolitan University, China

14:55-15:10 **PCM3519: Engineering Charge Transport in Copper Phthalocyanine Derivatives: Achieving Air-Stable n-Type Behavior via Expanded Conjugation and Iodine Doping**
Assoc. Prof. Sanyin Qu, Shanghai Institute of Ceramics, Chinese Academy of Sciences, China

15:10-15:40 Coffee Break

15:40-15:55 **PCM3535: Biodegradable Polymers with Natural Filler as Carriers for Metschnikowia Yeast Adhesion**
Ms. Jiayue Liu, Lodz University of Technology, Poland

15:55-16:10 **PCM3539: Phosphate-Based Solid Electrolytes with Tunable Ionic Transport for Battery Applications**
Ms. Yousra Kachbou, Euromed University of Fes, Morocco

16:10-16:25 **PCM3554: Catalyst Spatial Distribution Governs Gel-Point Timing and Global Network Topology in Thermosetting Polymer Curing**
Dr. Yukun Bai, Tohoku University, Japan

16:25-16:40 **PCM3581: Benzobisthiazole-Based Covalent Triazine Frameworks with Extended π -Conjugation and Unique Donor-Acceptor Configuration for Efficient Photocatalytic Sulfide Oxidation and Thiophenol Coupling**
Mr. Guangyu Lin, Sichuan University, China

16:40-17:40 **Poster Presentation**

DAY 3, August 26, 2026

Session 2: Structural & Porous Composite Materials

Location 2F, Conference Room 1

Session Chair	Prof. Dan Chang, Northwestern Polytechnical University, China	
09:00-09:20	Invited Speech PCM3536: Assembly of Graphene Oxide-Based Materials and Preparation of High-Performance Fibers <i>Prof. Dan Chang, Northwestern Polytechnical University, China</i>	
09:20-09:40	Invited Speech PCM3556: Novel Aerogel Materials <i>Assoc. Prof. Weiwei Gao, Zhejiang University, China</i>	
09:40-10:00	Invited Speech PCM3571: Lignin-Derived Hydrogels for Sustainable Ionic Thermoelectric Energy Harvesting <i>Assoc. Prof. Mario Culebras, University of Valencia, Spain</i>	
10:00-10:15	PCM3524: Physicochemical Characteristics and Use of Adhesive Materials in Ancient Korean Architectural Heritage <i>Dr. Il Kyu Choi, Kongju National University, Republic of Korea</i>	
10:15-10:45	Coffee Break	
10:45-11:00	PCM3572: Tailoring Porosity in Functionally Graded Al Foams Using Multi-Sized NaCl Space Holders <i>Assoc. Prof. Seksak Asavavisithchai, Chulalongkorn University, Thailand</i>	
11:00-11:15	PCM3574: Numerical and Analytical Study on Shear Stability of Composite Panels with Cutout <i>Mr. Liangchen Zhou, CNBM (Shanghai) Aviation Technology Co., Ltd, China</i>	
11:15-11:30	PCM3585: Interface-Engineered Electrocaloric Polymer Composites for High-Efficiency Thermal Management <i>Ms. Yifan Zhao, Shanghai Jiao Tong University, China</i>	
11:30-11:45	PCM3568: Molecular Dynamics Simulation on Glass Transition Temperature of Thermoplastic Polyimides <i>Dr. Baode Zhang, Liaoning Petrochemical University, China</i>	
11:45-12:00	PCM3570: Synergistic Effects of Nano-Silica and Basalt Fiber on Workability, Volume Stability and Mechanical Properties of Polyurethane Mortar <i>Dr. Yang Li, Xi'an University of Technology, China</i>	
12:00-14:00	Lunch Break	1F, Cafeteria

Session 3: Polymer Processing & Additive Manufacturing

Location 2F, Conference Room 1

Session Chair **Dr. Hatika Kaco, Universiti Sains Islam Malaysia, Malaysia**

14:00-14:20 **Invited Speech PCM3590: Supramolecular-Mediated Metal Nanoclusters for Theranostics Applications**
Prof. Lili Tan, Northwestern Polytechnical University, China

14:20-14:35	PCM3516: Reactive Processing of Recycled PET with Chain Extender 3D Printing Filament in Additive Manufacturing Technology <i>Dr. Hatika Kaco, Universiti Sains Islam Malaysia, Malaysia</i>	
14:35-14:50	PCM3523: Pronounced Shear-Induced Crystallization of Polypropylene by Addition of Talc Particles with Different Shapes <i>Dr. Shion Kitabatake, Japan Advanced Institute of Science and Technology, Japan</i>	
14:50-15:05	PCM3542: Intensifying Safe Mixing in Twin-Screw Extrusion via a Data-Driven Multi-Scale Framework: Resolving the Accuracy-Efficiency Paradox <i>Dr. Chenchao Fu, Beijing University of Chemical Technology, China</i>	
15:05-15:35	Coffee Break	
15:35-15:50	PCM3557: FDM-Printed MXene/PCL Nanocomposite Scaffolds with Improved Mechanical Performance and rBMSC Cytocompatibility <i>Mr. Suffi Ullah Zubair Farooq, Beihang University, China</i>	
15:50-16:05	PCM3582: Key Technology Exploration for Recycling Composites of Wind Turbine Blades <i>Dr. Weiwei Wu, Sinoma Wind Power Blade Co., Ltd., China</i>	
16:05-16:20	PCM3583: Review on the Mechanical Properties of 3D-Printed Basalt Fiber-Reinforced Thermoplastic Composites and Their Comparison with Other Fibers <i>Ms. Meiyi Chang, Shanghai University of Engineering Science, China</i>	
16:20-16:35	PCM3586: Printing-Path Topology and Microscopic Failure Mechanisms in 3D-Printed Continuous Carbon-Fibre Composites: A Review <i>Ms. Yuhan Lu, Shanghai University of Engineering Science, China</i>	
18:30-20:00	Awarding Banquet	3F, Conference Room 2

DAY 4, August 27, 2026

08:30-18:00 Field Visit

Note: Gathering at Lobby of Xi'an Guangcheng Hotel at 08:20. Please present your Tour Ticket when boarding the tour bus & make sure to bring your passport (for international attendees) or Chinese ID card (for Chinese attendees) with you.

Part IV Keynote Speeches

Keynote Speech 1: Polymer Functionalized nanoMOFs for Aqueous Lubrication and Drug Delivery

Keynote Speaker: Prof. Jianxi Liu
Northwestern Polytechnical University, China



Biography: Jianxi Liu is a professor in Northwestern Polytechnical University. He obtained his Ph.D. degree from Karlsruhe Institute of Technology in 2015, Germany. He performed postdoctoral research at the Northwestern University in the United States from 2016 to 2018. Starting from 2018, he has opened his independent research career at Northwestern Polytechnical University, China. In recent years, he conducted systematic research on synthesis and engineering applications of functional nanomaterials, polymer materials, composite materials to solve the basic scientific and technological issues. His research interests focus on Nanofabrication, Optical Sensing, Biolubrication and Multifunctional Coatings, and he has published more than 120 papers.

Abstract: Synergetic therapy is an emerging platform for the treatment of Osteoarthritis (OA). The construction of porous nanocarriers with good lubricating performance and stimuli-responsive drug release is significant for the synergetic therapy of OA. Metal-organic frameworks (MOFs) have been extensively used as nanocarriers for drug delivery, cancer therapy, and bioimaging. However, no tenacious hydration layer existed on the surface of MOFs to achieve good aqueous lubrication. We report hybridization of polymer microgel and polymer brushes with drug-loaded MOFs nanoparticles (nanoMOFs) that can achieve excellent aqueous lubricating performance and anti-inflammatory effect for the synergistic therapy of OA. Our work establishes multifunctional biolubricant system for efficient OA treatment and biomedical application.

Keynote Speech 2: On the Stability of Metal-Organic Frameworks and the Impacts on Their Environmental Applications

Speaker: Prof. Yi Huang
School of Materials Science and Engineering
Xi'an Jiaotong University, China



Biography: Professor Yi Huang received his PhD from Monash University (Australia) in 2011. Following that, he worked in the Department of Chemical Engineering and Materials Science at the University of Minnesota–Twin Cities, and subsequently held a Senior Research Fellow position at the Georgia Institute of Technology before joining the University of Edinburgh (UoE). At UoE, Professor Huang leads a multidisciplinary research team focused on the design of advanced functional materials, membrane separation technologies, sustainable water treatment solutions, and water-stable catalysts for industrial and environmental applications. His research places a strong emphasis on two-dimensional (2D) materials, such as graphene, metal-organic frameworks (MOFs), and Mxenes, and their nanostructure engineering. By bridging fundamental materials innovation with scalable technologies, his work addresses critical global challenges in sustainability and resource management. Professor Huang's research programme is strongly supported by industrial collaboration, with over £2.8 million secured as principal investigator for fundamental graphene and MOF research and commercialisation. In recognition of his

contributions, he has been elected Fellow of the Royal Society of Chemistry (FRSC), Fellow of the Institute of Materials, Minerals and Mining (FIMMM), Fellow of the International Association of Advanced Materials (FIAAM), and Fellow of the International Association for Carbon Capture (FIACC).

He has published extensively in leading international journals, including *Science*, *Angewandte Chemie*, *Matter*, *Materials Today*, *ACS Catalysis*, *Journal of Membrane Science*, *ACS Applied Materials & Interfaces*, and *Journal of Catalysis*. Professor Huang also serves in several senior editorial roles, including Editor of *Separation and Purification Technology* (IF 9.0) and *Results in Engineering* (IF 7.9), and as an Editorial Board Member of *Advanced Membranes* (IF 9.5), *Green Chemical Engineering* (IF 7.6), and *Sustainability* (IF 3.3). His achievements have been recognised by numerous awards, including the 2022 RINENG Distinguished Young Investigator Award, the 2022 ISPT-BMS Young Membrane Scientist Award, the 2023 Separation and Purification Technology Distinguished Young Scholar Award, and the 2024/2025 EUSA Teaching Award – Teacher of the Year (CSE).

Abstract: Metal-organic frameworks (MOFs), also known as porous coordination polymers or organic–inorganic porous networks, are an emerging class of materials renowned for their exceptional structural versatility, tunable chemistry, high surface areas, and permanent porosity. Among them, zeolitic imidazolate frameworks (ZIFs) represent an important subclass featuring zeolite-type topologies and have found widespread applications in catalysis, separations, energy storage, and biomedicine. However, the practical deployment of ZIFs is severely constrained by their limited stability, as many undergo structural hydrolysis and degradation when exposed to water and/or elevated temperatures.

This Keynote will review the known mechanisms responsible for structural degradation in common MOFs and ZIFs. It will then discuss recent methods and strategies developed to enhance their thermal and hydrolytic stability. Particular emphasis will be placed on systematic mechanistic studies underlying these improvements, based on our recent research on several industrially relevant ZIF systems, including ZIF-8, ZIF-67, ZIF-L, and cobalt-based ZIFs. Our findings provide new and practically important insights into evaluating and improving the stability of MOF/ZIF powders, surface coatings, and continuous membranes under aqueous and high-temperature operating conditions. Finally, the talk will highlight the enhanced performance of structurally stabilised ZIFs in environmental remediation applications, particularly in separation processes, demonstrating their promise for real-world deployment.

Keynote Speech 3: Starch-Based Materials Reinforced by Cellulose Nano-Crystals from Different Resources and Fibrillary Celluloses with Different Strength and Diameter/Length Ratios

Speaker: Prof. Long Yu
Institute of Chemistry
Henan Academy of Sciences, China



Biography: Prof Long Yu is currently Chief Scientist of Institute of Chemistry, Henan Academy of Sciences; China; Former Director of Sino-Singapore International Joint Research Institute and Professor in South China University of Technology. Prof Long Yu used to work in CSIRO, Australia as Principal Scientist for 18 years. Prof Yu has had more than 230 SCI papers published and with a total citation count of over 23,000 (h-index 74). He has been selected as a Fellow of Royal Australian Chemical Institute in 2002, and currently serves on the editorial boards of 8 SCI journals and Chairs or Session Chairs for many international conferences. In the last 20 years, Prof Yu has been working on various polymeric materials from renewable resources. He has successfully developed and commercialized 9 products through spinning-off manufacturing enterprises or transforming developed techniques to industries, including various starch-based

materials and products, such as pure starch-based plastics and medicine capsules and loss field foam. Recently he has been working on various slow-release fertilizer, in particular the SRF with water retention using starch-based hydrogels.

Abstract: Starch/cellulose composite is one of the most promising systems since both matrix and reinforcing agent are renewable eco-friendly materials and have same chemical unit: glucose, which results in an excellent compatibility. In this presentation, development of starch-based materials reinforced by cellulose nano-crystals from different resources and fibrillary celluloses with different strength and diameter/length ratios will be systematically discussed, in particular the starch-based films used for edible packaging and medicine capsules. Starch-based self-reinforced composites will be also discussed. As expected, addition of crystals increased the Young's modulus and tensile strength of starch-based materials and decreased elongation at break. The effect of macro- and nano-fibrillar celluloses on the starch films was systematically investigated based on the microstructures, compatibility and mechanical performances. Results showed that the FCs increased modulus (about 170%) and tensile strength (about 180%) significantly as expected since they are well-compatible and some chemical interactions. The nano-fibrillary celluloses (CNFs) improve the toughness (about 20%) of the starch film more efficiently, which improved the well-recognized weakness of starch-based materials. The nano-scale roughness on the surface of the starch film caused by different shrinkage ratios between starch and CNFs during drying reduced water sensitivity, which is another well-recognized weakness of starch film.



Figure 1 Developed and commercialized starch-based materials and composites.

Keynote Speech 4: Thermal Management Materials and Modules

Speaker: Prof. Yanhui Chen

School of Chemistry and Chemical Engineering

Northwestern Polytechnical University, China



Biography: Professor Yanhui Chen is currently a Professor and PhD Supervisor at the School of Chemistry and Chemical Engineering, Northwestern Polytechnical University (NWPU), China, and a recipient of the National Young Talent Program. She received her B.S. degree in Polymer Materials and Engineering from the College of Polymer Science and Engineering, Sichuan University in 2008, and her Ph.D. in Materials Processing Engineering from the same institution in 2013 under the supervision of Prof. Zhongming Li (National Science Fund for Distinguished Young Scholars & Changjiang Scholar). From November 2011 to November 2013, she conducted joint Ph.D. research as a visiting scholar in the group of Prof. Benjamin S. Hsiao, a world-renowned polymer physicist, at the Department of Chemistry, State University of New York at Stony Brook, supported by the China Scholarship Council (CSC) Program. Since 2014, She has worked at the School of Chemistry and Chemical Engineering, Northwestern Polytechnical University (NWPU), China. Her research focuses on the design, fabrication and application of advanced functional materials for thermal management, especially heat conduction-storage integrated composites for high-power electronic devices. She has led over 18 national and provincial research projects in this field, published over 60 papers in peer-reviewed international journals, like *Advanced Materials*, *ACS Nano*, *Composites Science and Technology*, and applied/issued 17 Chinese Patents. She also

has some social academic positions: Member of the First Committee of the Micro-Nano System Thermal Management Branch of the Chinese Micron Nanotechnology Society (January 31, 2026 - January 31, 2031), Member of the First Committee of the Polymer and Polymer Engineering Professional Committee of the Chinese Chemical Society (December 2024 - December 2029), Member of the First Committee of the Electronic Chemicals Professional Committee of the Chinese Chemical Society (February 2023 - February 2028) and Member of the 41st Council of the Chinese Chemical Society (November 2022 - November 2027).

Abstract: With the advent of the 5G era, new-generation electronic devices are developing toward miniaturization, integration and intelligence, which further increases the heat generation efficiency of equipment and seriously threatens the working performance and service life of electronic devices. Thermal management materials are the key materials to solve the heat dissipation problem in modern electronic packaging technology. The team has carried out a series of research work on the development and application of advanced thermal management materials:

1. Constructing lightweight and efficient heat transfer structures *via* advanced methods such as chemical in-situ conversion;
2. Loading nucleating agents on the heat transfer structures to synergistically improve the supercooling resistance and leakage-proof performance of phase change materials;
3. Developing the "heat conduction-storage integrated" thermal management materials with high thermal conductivity, high enthalpy, excellent leakage resistance and cycling stability;
4. Exploring the application of the self-developed modules containing the "heat conduction-storage integrated" thermal management materials in the thermal management of instantaneous high-power chips.

Part V Presentation Guideline

Oral Presentation Guidelines

Time Allotted for Each Presentation

Keynote Speech: 40 min

Invited Speech: 20 min

Oral Presentation: 15 min

Note: The allotted time includes 3-5 minutes of Q&A.

Devices Provided by the Conference Organizer

- ✚ Laptops (with MS-Office & Adobe Reader)
- ✚ Projectors & Screen: Ratio 16:9
- ✚ Laser Sticks
- ✚ Microphones

Materials Provided by the Oral Presenters

- ✚ Microsoft PowerPoint or PDF Presentation file (Please show your paper ID as PCM**** on the last page.)

For presenters who do not send the presentation file to the Conference Secretary before the conference, please have your presentation ready on a memory stick, and save it on the laptop of your corresponding session about **15 minutes** before session starts.

Best Oral Presentations Selection Guidelines

Selection Criteria:

ONE best presentation will be selected from EACH session based on the following criteria:

- ✓ Research Quality
- ✓ Presentation Performance
- ✓ Presentation Language
- ✓ Interaction with Listeners
- ✓ PowerPoint Design
- ✓ Effective Communications

Selection Procedure:

- ✓ An assessment sheet will be delivered to listeners before the session.
- ✓ Write the numbers of two best presentations and submit the filled assessment sheet (with the listener's name and signature) to the Session Chair before the session termination.
- ✓ The Session Chair will count the votes for each presentation and name the winner based on the maximal number of votes. The Session Chair has three votes but can use only one in favor of his/her own presentation (if any). To avoid any conflict of interests, only registered listeners are entitled to vote.

Nature of the Award:

- ✓ This award consists of free registration to the next conference PCM 2027 and a certificate.
- ✓ The awards will be announced at the official website after the conference.

Assessment Sheet Sample

PCM 2026 Oral Presentation Assessment

Dear participants,

After carefully listening to the presentations of this session, please kindly recommend two excellent Oral Presentations with reference to the following evaluation criteria.

The Session Chair will count the votes from each presentation and select ONE Best Oral Presentation in this session. If there is a tie, the Session Chair will make the final decision.

The winner will be announced at the official website after the conference.

You can refer to the following Criteria:

Items	Assessment
Content	Right, Logical, Original, Well-Structured
Language	Standard, Clear, Fluent, Natural
Performance	Spirited Appearance, Dress Appropriately, Behaves Naturally
PPT	Layout, Structure, Typeset, Animation, Multimedia
Reaction	Build a Good Atmosphere, Speech Time Control Properly

Please write down paper ID and give reasons for your recommendation:

Paper ID	Reasons

Evaluated by: _____ (Paper ID: _____)

Note: When the session finished, please fill it out and give it to the Session Chair so that the Best Oral Presentation in this session can be selected.

Poster Presentation Guidelines

Materials Provided by the Conference Organizer:

- ✧ X Racks & Base Fabric Canvases (60 cm×160 cm, see the figure)
- ✧ Adhesive Tapes or Clamps

Materials Provided by the Presenters:

- ✧ Electronic Posters
- ✧ Posters printed by PCM 2026 Committee



Requirements for the Posters:

- ✧ Materials: not limited, can be posted on the Canvases
- ✧ Size: 60 cm×160 cm
- ✧ Horizontal Head: please make the conference name 'PCM 2026' and the paper number 'PCM*****' as the head of the poster in order to make all the posters unified.

Best Poster Presentation Selection Procedure

Samples of Stickers

Selection Criteria:

- Research Quality
- Presentation Skill
- Design



Selection Procedure:

- 6-8 volunteers will be invited from the participants to serve as the judges to review the posters. (Note: A judge would not have a poster or know the participant exhibiting a poster.)
- 2 red stickers and 2 green stickers will be provided for the judges. The red sticker stands for "Research Quality" with a value of 2 points; the green sticker stands for "Presentation Skill and Design" with a value of 1 point.
- Each judge will go around the poster session and give the stickers to the poster which he/she thinks is of high quality or well designed and well presented, please be notified that the judge cannot give 2 red or 2 green stickers to the same poster (one red and one green sticker is acceptable).
- After the poster session, the conference secretary will count the points from each poster and two best poster presentation with more points will be selected. If there is a tie, the one with more red (Research Quality) stickers wins.

Nature of the Award

- This award consists of free registration to the PCM 2027 and a certificate.
- **TWO Best Poster Presenters** will be selected after session finishes with certificate issued and results announced on PCM 2026 website.

List of Posters

Time: 16:40-17:40, August 25, 2026

Conference Room: 2F, Conference Room 1

PCM3517	Modulation of Molecular Orientation and Shear-Induced Crystallization of Poly (Lactic Acid) by Ethylene-Vinyl Acetate Copolymer <i>Dr. Ruiqi Feng, Japan Advanced Institute of Science and Technology, Japan</i>
PCM3525	Secondary Deterioration Mechanisms of Restoration Materials for Stone Cultural Heritage: Angkor Wat in Cambodia <i>Dr. Jeongeun Yi, Kongju National University, Republic of Korea</i>
PCM3526	Structural Stability Evaluation of Ancient Korean Fortress Walls based on Mechanical Behaviors within Internal Filler Materials and Long-term Monitoring <i>Dr. Jae Hwan Ryu, Kongju National University, Republic of Korea</i>
PCM3528	Material Characterization of Epoxy-Based Restoratives for Stone Cultural Heritage and Fundamental Study in Future Development Applications <i>Ms. Hye Ji Choi, Kongju National University, Republic of Korea</i>

PCM3550	Oral Delivery of Entecavir with Hydroxypropyl methylcellulose as Solid Dispersion <i>Prof. Bushra T. AlQuadeib, King Saud University, Saudi Arabia</i>
PCM3551	Magnetic Separation of Power Plant Fly Ash for the Production of Functional Magnetic Materials <i>Ms. Smorodina E.D, Federal Research Center KSC SB RAS, Russia</i>
PCM3552	Methacrylated Poly (phenyl sulfone)–Based Photocurable Systems for Dental and Biomedical DLP 3D Printing <i>Ms. Soojung Lee, Pusan National University, Republic of Korea</i>
PCM3553	Synthesis and Characterization of Slide-Ring Hydrogels Based on Polyrotaxane Crosslinkers <i>Ms. Seoyoung Han, Pusan National University, Republic of Korea</i>
PCM3555	Lightweight, Strong, and Resilient 3D Graphene Metamaterial via a Multi-flow Assembly <i>Dr. Zihao Deng, Zhejiang University, China</i>
PCM3559	Functional Polypropylene with Dual-Antiaging and Self-Reporting Properties <i>Ms. Meiling Pu, Tianjin University, China</i>
PCM3576	Machine-Learning-Enhanced Intelligent Recognition of Integrated Neuromorphic Vision Sensors Based on Copolyurethane <i>Mr. Yinghao Zhang, Sichuan University, China</i>
PCM3577	Single-Actuated and Fully Recyclable Phase Change Materials Enabled Multiple Thermochromism toward Information Storage and Encryption <i>Mr. Shiwei Zhao, Sichuan University, China</i>
PCM3578	Enabling High-Toughness Self-Healing Phase-Change Materials via a Dynamic Supramolecular Network <i>Mr. Youlong Zhao, Sichuan University, China</i>
PCM3579	Catalyst-free, Reprocessable, Intrinsic Photothermal Phase Change Materials Networks Based on Conjugated Oxime Structure <i>Mr. Tianren Liu, Sichuan University, China</i>
PCM3584	MOF Composites for Hydrogen Storage <i>Dr. Aya Abdo, University of Bristol, UK</i>
PCM3592	Experimental and Data-Driven Prediction of Post-Cure Dimensional Stability and Compression Set in Extruded HCR Silicone Profiles <i>Mr. Jayadip Tejani, National Rubber Corporation, USA</i>

Part VI Conference Venue

Venue: Xi'an Guangcheng Hotel (西安广成大酒店)

Address: Middle Section of South Laodong Road, Lianhu District, Xi'an 710000, Shaanxi, China
(陕西省西安市莲湖区劳动南路中段)

Website: <http://www.xagchotel.com/Default.aspx>

Access to Xi'an Guangcheng Hotel

1. Xi'an Xianyang International Airport — Xi'an Guangcheng Hotel (about 35 km)

(1) Taxi: about 45 mins, CNY 90

(2) Public Transportation (1.5-2h). There are 2 ways for your choice:

- From T5 or T2 or T3, take the airport shuttle bus (Zhonglou West Line 钟楼西线), get off at Xishaomen Crossroad (西稍门十字); walk for 150 m to Xi'an Guangcheng Hotel.
Note: Shuttle bus service time: 08:50-01:00 (next day) (From the Airport to city center); 04:10-00:00 (From city center to Airport). Available every 30-40 mins.
- From T5 or T2 or T3, take subway Line 14, get off at Xi'an Bei Station (西安北站); Transfer to Line 2, get off at Zhonglou Station (钟楼站); Transfer to Line 6, get off at Datang Xishi Station (大唐西市站), walk out from Exit D, walk for 490m to Xi'an Guangcheng Hotel.



Airport Bus Ticket

2. Xi'an Railway Station - Xi'an Guangcheng Hotel (about 8.5 km)

(1) Taxi: about 25 mins, CNY 25

(2) Public Transportation (about 35 min):

- From Xi'an Railway station, take subway Line 4 (towards Hangtianxincheng 航天新城方向), get off at the 2nd stop at Dachaishi (大差市站); Transfer to Line 6 (towards Xi'annan Railway Station 西安南站方向), get off at the 5th stop at Datang Xishi Station (大唐西市站), walk out from Exit D, walk for 490m to Xi'an Guangcheng Hotel.

3. Xi'an Bei Railway Station - Xi'an Guangcheng Hotel (about 17 km)

(1) Taxi: about 35-40 mins, CNY 60

(2) Public Transportation (about 1h):

- From Xi'an Bei subway station, take subway Line 2 (towards Changninggong 常宁宫方向), get off at the 10th stop at Zhonglou Station (钟楼站); Transfer to Line 6 (towards Xi'annan Railway Station 西安南站方向), get off at the 4th stop at Datang Xishi Station (大唐西市站), walk out from Exit D, walk for 490m to Xi'an Guangcheng Hotel.

Part VII Field Visit

Time: 08:30-18:00. August 27, 2026 (Thursday)

Schedule:

Depart from Xi'an Guangcheng Hotel (西安广成大酒店) (08:30)→**Xi'an Museum** and the **Small Wild Goose Pagoda** (09:00 to 11:00) →Lunch (12:30 to 13:30) →**Terracotta Army** (14:00 to 17:00) → Back to Xi'an Guangcheng Hotel (西安广成大酒店)

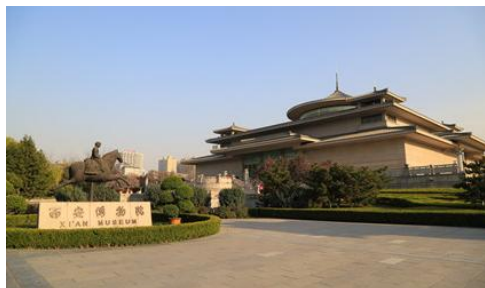
Note: This itinerary is tentative and may be subject to minor adjustments based on the guide's arrangements.

Tips: (1) Please make sure to bring your passport (for international attendees) or Chinese ID card (for Chinese attendees) with you.

(2) Please present your tour ticket when boarding the tour bus.

(3) Please follow the guide's instructions throughout the tour. Participants must not leave the group without notifying the guide in advance.

>> Xi'an Museum



Xi'an Museum is composed of three parts including museum, site of Jianfu Temple in Tang Dynasty and Historical and Cultural Park of Small Wild Goose Pagoda, with museum, tower, temple and park enhancing each other's beauty and bringing out the best in each other, being distinctive among museums in China and the rare national grade I museum integrating world cultural heritage, historical and cultural relics under state protection, ancient architectural complex and modern exhibition hall.

Xi'an Museum contains more than 110,000 pieces of cultural relics, including bronze wares, jade wares, gold and silver wares, porcelains, stone sculptures, inscription on tablet, seals, earthenwares, three-color glazed wares, painting and calligraphy, sutra, rubbings, ancient and rare books, miscellaneous wares, including 10441 pieces of valuable cultural relics at no lower than grade III. The museum has collected more than 100,000 volumes of ancient books, with 37 volumes of books having been selected into Catalogue of National Rare Books in China and the collections complete in sequence and category to create a system of their own.



The exhibition hall of Xi'an Museum designed under the direction of Master Zhang Jinqiu as an academician of Chinese Academy of Engineering has a built-up area of more than 16, 000 sqm and a show area of more than 5500sqm, having more than 2000 pieces of cultural relics on display, the exhibition hall has had a display pattern with focus on fundamental display of Xi'an as an ancient capital, together with special display of compassion and fascination—Chang'an Buddhist Statues Art and spirit of the universe—Selected Ancient Jade wares and various temporary exhibitions as expansion and extension thereof having shown historical features of Xi'an as a capital and cradle of Chinese civilization in various fields, including politics, economy and culture etc. since Zhou Dynasty, Qin Dynasty, Han Dynasty and Tang Dynasty.



Exhibition of Small Wild Goose Pagoda-Jianfu Temple History on central axis of Small Wild Goose Pagoda Scenery Spot shows value of Small Wild Goose Pagoda in heritage as well as historical fact and experience in exchange and innovation between orient and west in terms of culture along Silk Road in those days.

Small Wild Goose Pagoda in scenic spot is cloud kissing, with ancient trees reaching to the sky, green grass and zigzag lake therein, time-honored ancient music in Chang'an to underline the excellent location with lingering melodious rhythm, folk cultural relics that could be found everywhere in those days such as hitching posts and various folklore art exhibition open a window for tourists to understand Chinese traditional culture. Well-arranged and delightful park and garden around water enable tourists to enjoy cultivation of temperament in tranquil and relaxed environments in downtown area.

>> Terracotta Army

Terracotta Army, also namely Terracotta Warriors and Horses, is known as the Eighth Wonder of the World. It is a super large collection of life-size terra cotta sculptures in battle formations, reproducing the mega imperial guard troops of Emperor Qin Shi Huang (259 - 210BC), the first emperor of the first unified dynasty of Imperial China. The great archeological excavation of Qin (221BC-206BC) Terra Cotta Warriors and Horses unfolded a strong army of altogether 7,000 life-size pottery soldiers, horses, chariots and weapons arranged in battle formations symbolically, guarding the tomb of Emperor Qin Shi Huang. Being the most significant archeological excavations of the 20th century and a UNESCO World Heritage Site, the Terracotta Army is no doubt a must-see for every visitor to Xi'an.



Memo Pages

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