

Wiley Advanced Summit (Beijing)
**International Conference on Advanced Materials and Intelligent
Manufacturing + AI 2026 (ICMIA 2026)**
Beijing International Academic Season

I. Basic Conference Information

- **Conference Theme:** AI Empowers · Material Innovation · Intelligent Manufacturing for the Future
- **Conference Dates and venue:** November 6–9, 2026; Howard Johnson JUNHE Hotel Beijing
- **Venue:** Shunyi District, Beijing, China
- **Conference Scale:** 500 attendees, with an estimated online participation 20,000+

II. Organizational Structure

Hosts

- China Association for Development Strategy Studies (CADSS)
- John Wiley & Sons, Inc. (Wiley)

Organizer

- Strategic Committee on Advanced Materials and Intelligent Manufacturing, China Association for Development Strategy Studies

Conference Chairs

- Zhong Lin Wang (Director, Beijing Institute of Nanoenergy and Nanosystems, CAS)
- Jin Zhang (Executive Vice President, Peking University)
- Jianbin Luo (Dean, School of Mechanical Engineering, Tsinghua University)
- Sanjay Mathur (Director, Institute of Inorganic Chemistry, University of Cologne, Germany)
- Yuanhua Lin (Dean, School of Materials Science and Engineering, Tsinghua University)

Academic Committee:

Chairs: Zhongfan Liu, Cewen Nan, Hexing Li, Rodrigo Martins

Organizing Committee:

Chairs: JiuHong Qian, Louisa Flintoft, Moyi Zhang, Junyi Zhai

III. Conference Background

Centered on the theme "AI Empowers · Material Innovation · Intelligent Manufacturing for the Future," [ICMIA2026](#) leverages artificial intelligence as a key driving force in establishing an academic framework comprising an "International Top-Tier Journal Summit + Parallel Sessions + Special Sessions + Supporting Activities." The conference focuses on the integrated application of AI with advanced materials and intelligent manufacturing, aiming to build a high-level international academic exchange platform and promote industry-university-research integration and talent development. This conference is one of the series of events of the 'Zhongguancun Session' and also an important part of the 'Beijing International Academic Season'.

IV. Conference Agenda

(1) International Top-Tier Journal Summit

A Wiley Advanced Summit (Beijing) will be held, featuring keynote addresses by academicians, roundtable discussions with top journal editors-in-chief, and other sessions.

(2) Parallel Sessions

Session 1: Advanced Materials and AI Empowerment

(Chairs: Longfei Wang, Ke Liu, Fei Wu, Libo Chen, Lixi Wang, Kirsten Severing. Contact: Jianyun Luo, 13021130844)

Focuses on new paradigms in AI-driven materials research and development, exploring the full-chain innovation from data-driven design and intelligent experimentation to autonomous discovery.

Session 2: Intelligent Manufacturing and Process Innovation

(Chairs: Wenbo Ding, Renyun Zhang, Xinjun Liu, Rusen Yang, Yuhong Liu, Zhe Chen, Xiaoqiang Lu, Richard Murray. Contact: Liaoyuan Wang 17501141346)

Focuses on digital twins, intelligent process control, AI-empowered precision manufacturing, ultra-precision machining, and related directions.

Session 3: Intelligent Sensing and Next-Generation AI

(Chairs: Junyi Zhai, Zhen Wen, Gulnur Kalimuldina, Esther Levy. Contact: Di Guo, 15511381858)

Focuses on intelligent sensors, AIoT, next-generation energy-harvesting materials, self-powered systems, and related directions.

Session 3.1: SmartSys Editorial Board Meeting & Symposium

(Chairs: Zhong Lin Wang, Junyi Zhai. Contact: Dr. Ziqi Guo, 13181600039)

Focuses on intelligent sensing and new-generation AI, covering smart and functional materials, nanogenerators and self-powered sensing, wearable and implantable electronics, and device-to-data intelligent systems. The session also serves as the Editorial Board Meeting of the journal SmartSys, featuring board-member research talks, young-editor flash talks, journal progress report, and Special Issue planning.

Session 4: Medical-Engineering Interdisciplinary Research and Intelligent Materials & Devices

(Chairs: Yanglong Hou, Sang-Woo Kim, Dan Luo, Xiaochuan Duan, Guang Liu, Liang Yu, Neville Compton. Contact: Ren Yingying, 13201818102)

Focuses on biomedical materials, intelligent medical devices, AI-assisted design of drug delivery carriers, and related directions.

Session 5: New Energy Materials and Green Manufacturing

(Chairs: Shuhui Sun, Shaojun Guo, Xinmei Hou, Jianmin Ma, Shuhong Jiao, Hua Wang, Chao Lai, Till Von Graberg. Contact: Zengxi Wei, 15116445629)

Focuses on R&D of new energy materials, green manufacturing processes, material innovation in the context of carbon neutrality, and related directions.

Session 5.1: National Materials Journal Symposium

(Chairs: Jin Zhang, Shaojun Guo. Contact: Dr. Ying Xie, 13190727370)

Focuses on advanced functional materials, covering fundamental design and synthesis, as well as their sustainable applications in energy, environmental, and information technologies.

Session 6: AI-Empowered Science Communication and Academic Publishing

(Chairs: Jian Li, Jiahong Qian, Theresa Kueckmann; Contact: Ziqi Guo, 13181600039)

Focuses on large-model-assisted research writing, top-tier journal submission strategies, academic paper writing techniques, and related directions.

Session 7: Graduate Student Forum

(Details please refer to conference website)

(3) Special Sessions

Special Session 1: Superconducting Materials

(Chairs: Haihu Wen, Jinxing Zheng, Huajun Liu, Qingqian Qiu, Joern Ritterbusch. Contact: Weiwei Zhou, 13581847272)

Focuses on superconductivity-related research directions, including superconductor fabrication, superconducting application technologies, AI-driven performance optimization of superconducting materials,

Special Session 2: Two-Dimensional Materials

(Chairs: Jiadong Zhou, Xuxiao Zhao, Jinshui Miao, Taotao Li, Yao Zhou, Hu Liu, Zhenhui Ma. Contact: Qundong Fu)

Focuses on the synthesis, physical property characterization, and application-oriented research of novel two-dimensional materials.

V. Registration and Fees

Registration Type	Early-Bird Price (before October 15, 2026)	Regular Price
General Attendee	RMB 3,000	RMB 3,800
CADSS* members	RMB 2,700 (existing member) RMB 2,800 (new member)	RMB 3,420 (existing member) RMB 3,520 (new member)
Student Attendee	RMB 2,000	RMB 2,500

Note:

- Registration shall be processed through the official conference website: <http://www.icmia.net>
- Registration fees do **NOT** include accommodation, transportation, or paper publication fees (if applicable).
Payment Methods: Please refer to the conference official website for details.
- ***CADSS:** China Association of Development Strategy Studies
Official Member Registration Website: www.cadss.org.cn
(When registering, please select "**Advanced Materials and Intelligent Manufacturing Strategy Specialized Committee**" under the "Development Source" field.)
- **New Member:** A new member is defined as a participant who registers as a CADSS member at the same time as registering for the conference. The new member registration fee includes a membership due of RMB 100, which covers a one-year membership term. The membership validity period commences from the date of successful payment.
- Students are eligible to register as CADSS members free of charge.

VII. Call for Papers

Topics of Interest

The conference invites papers on advanced materials, intelligent manufacturing, AI interdisciplinary applications, and related fields, covering (but not limited to) the following directions:

1. Advanced Materials and AI Empowerment;
2. Intelligent Manufacturing and Process Innovation;
3. Intelligent Sensing and Next-Generation AI;
4. Medical-Engineering Interdisciplinary Research and Intelligent Materials Design;
5. New Energy Materials and Green Manufacturing.

Submission Requirements

1. Papers must present original, unpublished research findings. Language: English.
2. Format: Please follow the template available on the conference official website.
3. Outstanding papers recommended by the Academic Committee of the conference may, on the basis of the authors' voluntary consent, be submitted to relevant Wiley journals including *Advanced Materials*; whether a manuscript enters the review process and is ultimately accepted shall be independently determined by the editorial office of each journal in accordance with its editorial standards and the results of peer review.
4. Conference proceedings will be published (EI indexed).
5. Email Address for Submission of Full Papers: submission@icmia.net

Important Dates

- Submission Deadline: November 30, 2026
- Notification of Acceptance: March 30, 2027

VIII. Oral Presentation and Poster Session

Guidelines

1. Submit information (author, title, abstract) through conference official website. Deadline: **Oct 25, 2026**.
2. Length of oral presentation: invited speech (25mins), oral speech (15mins).
3. The standard poster size is 80 cm (width) × 120 cm (height). There is no fixed template; please design and produce your own poster and bring it to the conference poster session for display.
4. Oral presentations and poster should be presented in English.
5. All presenters will receive a presentation certificate.

IX. Contacts

Conference Secretariat: Jianyun Lin, Grace Hao

Telephone: 13373667681, 13811707929

Email: info@icmia.net

Official Website: Please stay tuned to the conference official website: <http://www.icmia.net>; CADSS: <http://www.cadss.org.cn>; Wiley: <https://www.wileychina.com>

X. Other Information

1. Supporting activities will be held during the conference, including an academic achievements exhibition and youth research awards.
2. Participants are responsible for their own travel and accommodation expenses.

