

CALL FOR PAPERS



12th ASIAN-AUSTRALASIAN CONFERENCE
ON COMPOSITE MATERIALS (ACCM-12)

HANGZHOU, CHINA
25-28 OCTOBER , 2020



Welcome From Chairs

Welcome to ACCM-12 !

On behalf of the Asian-Australasian Association for Composite Materials (AACM), we sincerely welcome you to join us at the 12th Asian-Australasian Conference on Composite Materials (ACCM-12) to be held from **25th to 28th October 2020 in Hangzhou**.

Under the leadership of the AACM established in 1997, ACCM series has developed as one of the largest composites conference in the world promoting scientific research, technological development and industrial applications in the field of composite materials.

The theme of ACCM-12 is ***“Composites for Quality of Life”***. ACCM-12 will feature a 3-day program of divergent range of themes in composite research, and will showcase plenary and keynote talks, academic exchange, international networking, topical sessions/symposia and social activities including Banquet and Awards Ceremony. It promises to provide a valuable platform for scientists, engineers, postgraduates and other professionals to share, discuss and critically examine the most recent progress and trends in Composites Materials, Design Manufacturing and Applications.

Hangzhou, the home for ACCM-12, renowned as “Paradise on the Earth”, has now become the center of politics, economy, science, education and culture of the country.

We look forward to welcoming you at ACCM-12 in Hangzhou in October 2020!



Honorary Chair

Prof. Shanyi DU
Harbin Institute of Technology



General Chair

Prof. Hua-Xin PENG
Zhejiang University

Conference Basic Information

Name: 12th Asian-Australasian Conference on Composite Materials (ACCM-12)

Theme: *Composites for Quality of Life*

Time: 25 - 28 October 2020

Venue: Hangzhou, China

Website: www.accm12.com

Organizers:



Zhejiang University



Chinese Society for Composite Materials

Co-organizers:



Harbin Institute of Technology



Hebei University of Technology



Northwestern Polytechnical University



Tongji University

Supported by:

Asian-Australasian Association for Composite Materials

Dezhou Maite New Materials Research Centre

Publishing Journals:

Composites Science and Technology

Composites Communications

Composites Part A

Composites Part B

International Journal of Minerals, Metallurgy and Materials

Acta Materialiae Compositae Sinica



Abstract Submission

Timeline for Authors

- ✧ Abstracts submission deadline: **30 July, 2020**
- ✧ Notification of acceptance: **15 August, 2020**.
- ✧ Upload full paper: **15 September, 2020**.

Authors are invited to pay careful attention to the presentation and content of their abstract. Criteria for the abstract to be selected are scientific/technical content, style/clarity, and completeness. Submissions must be original and should not have been published previously or be under consideration for publication elsewhere.

Please submit your abstract online at www.accm12.com

ACCM-12 Topic Areas

MATERIAL SCIENCE

- | | | | |
|-----------|-----------------------------------|------------|-----------------------------------|
| Session 1 | Polymer Matrix Materials | Session 7 | Nanocomposites |
| Session 2 | Metal Matrix Composites | Session 8 | Meta-Composites |
| Session 3 | Ceramic Matrix Composites | Session 9 | Multi-functional/Smart Composites |
| Session 4 | Carbon Composites | Session 10 | Thermal/Fire Retardant Composites |
| Session 5 | Natural Fibres / Green Composites | Session 11 | Textile-Based Composites |
| Session 6 | Biomedical Composites | | |



DESIGN & MANUFACTURING

- Session 12 Composite Microstructural Design
- Session 13 Structural Design and Multiscale Mechanics
- Session 14 Automated Processes and Equipments
- Session 15 Liquid Moulding Technologies
- Session 16 3D/4D Printing and Emerging Technologies

SIMULATION & TESTING

- Session 17 Optimization Design/ Modeling and Simulation
- Session 18 Failure Criteria and Verification
- Session 19 Testing and Evaluations

INDUSTRIAL APPLICATIONS

- Session 20 Aerospace Applications, Civil Infrastructure (Transport, Wind Energy)
 - Session 21 Emerging Applications (Shielding/Cloaking, Sensing/Actuating etc)
 - Session 22 Composites Repair, Self-healing, Recycling and Sustainability
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Registrations

1. Registration types

To attend the Congress, one shall finish online-registration and payment. Please note the early bird, standard and on-site rates of the registration fees. Authors shall register before the early-bird deadline to allow the papers to be included for final online publication. Each paper shall at least have one registered delegate. Each delegate can register to present two papers at most either by Oral or Interactive Display. A **No Paper No podium** policy will be followed.

Registration Type*	Early Bird Before 1 October,2020	Standard 1-25 October,2020	On-site
Student	300 USD (2000 RMB)	350 USD (2300 RMB)	400 USD (2500 RMB)
Full Delegate	600 USD (4000 RMB)	650 USD (4300 RMB)	700 USD (4500 RMB)

*E-invoice will be issued for the registration fee with the content of “**Conference Fee**”.

2. Registration instructions

Above registration rates include tax. All deadlines refer to GMT+8, Beijing Time. The registration is only completed upon confirmation of payment. The online registration system will be open from 1 May to 25 October 2020. Beyond this date, only on-site registration with credit card payment can be accepted.

3. The registration fee covers

	Full delegate	Student
All technical sessions admittance	√	√
Coffee breaks and lunches	√	√
Conference bag and materials	√	√
Welcome Reception (26 October,2020)	√	√
Congress Reception (28 October,2020)	√	×
Technical Visit (28 October,2020)	√	√
Student Party (28 October,2020)	×	√
Paper online publication	√	√

For further information please check www.accm12.com , or contact:

Conference Secretariat

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