

Call For Papers

International Conference on Frontier Materials 2021

Zhuhai International Convention and Exhibition Centre Dec. 8-10, 2021

Sponsored by

- ✦ Advanced Materials Alliance of CAST Member Societies (AMAC)
- ✦ International Union of Materials Research Societies (IUMRS)

Organized by

- ✦ Advanced Materials Alliance of CAST Member Societies (AMAC)
- ✦ Shanghai University

Co-organized by

- ✦ Shanghai Jiao Tong University
- ✦ Donghua University
- ✦ Fudan University
- ✦ Shanghai Institute of Ceramics, CAS
- ✦ University of Science and Technology Beijing
- ✦ Shanghai Ceramic Society
- ✦ Asia Pacific Academy of Materials (APAM)
- ✦ Materials Research Society of Hong Kong

General Information

“International Conference on Frontier Materials 2021” (ICFM) is initiated and sponsored by International Union of Materials Research Societies (IUMRS) and Advanced Materials Alliance of CAST members Societies (AMAC). The aim of this event is to provide an international stage for scientists, engineers and entrepreneurs engaging in frontier materials research and development to exchange their latest achievement, network with friends and colleagues, especially for young researchers. ICFM is organized by AMAC and Shanghai University, and co-organized by related universities and research institutes.

Date: December 8-12, 2021

Venue: Zhuhai International Convention and Exhibition Centre, China

Participants: 2000-2500

General Program

Date	Morning	Afternoon	Evening
Dec 8 (Wed)	Registration		
Dec. 9 (Thu)	Plenary Session I	Symposia and Forums (Parallel sessions)	Banquet
Dec. 10 (Fri)	Symposia and Forums (Parallel sessions)	1. Plenary Session II 2. Poster session	
Dec. 11 (Sat)	Symposia and Forums (Parallel sessions)	Symposia and Forums	
Dec.12(Sun)	Hi-tech Materials Enterprises Visit		

I. Conference Chairs

Chair:

Zhonglin Wang (Beijing Institute of Nanoenergy and Nanosystems, CAS)

Co-chairs:

Tao Deng (Shanghai Jiao Tong University)

Jian Lu (City University of Hong Kong)

Peter Wellmann (President of E-MRS)

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III. Organizing Committee

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Xinjiang Wang (General Secretary of AMAC)

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Fu Tan (The Chinese Ceramic Society)
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Xiujuan Xu (Chinese Society for Biomaterials)
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Jing Zhao (Deputy General Secretary, The Chinese Society for Metals)
Junliang Sun (Chinese Crystal Society)

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Hongshi Ma (Shanghai Institute of Ceramics, CAS)

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Co-Chair:

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La Li (Institute of Semiconductors, CAS)
Junjun Liu (Hong Kong Baptist University)
Qianpeng Zhang (The Hong Kong University of Science and Technology)
Hua Zhang (City University of Hong Kong)

VI. Symposia

A. Quantum materials

Chairs: **Wei Ren** (Shanghai University)
Guixin Cao (Shanghai University)
ChunNing Jeanie Lau (The Ohio State University)
Jeil Jung (The University of Seoul)
Lee Burton (Shanghai University)
Zhenhua Qiao (University of Science and Technology of China)
Yuanbo Zhang (Fudan University)

Contact: **Yangyang Chen** (Shanghai University)
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B. Advanced Thermoelectric Materials and Devices

Chairs: **Lidong Chen** (Shanghai Institute of Ceramics, CAS)
Tiejun Zhu (Zhejiang University)
Takao Mori (National Institute for Materials Science, NIMS)
Robert Freer (University of Manchester)
Woochul Kim (Yonsei University)

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C. Information storage materials

Chairs: **Wenjie Yu** (Shanghai Institute of Microsystem and Information Technology, CAS)
Zhitang Song (Shanghai Institute of Microsystem and Information Technology, CAS)
Weisheng Zhao (Beihang University)
Kang. L. WANG (University of California, Los Angeles)
Koukou SUU (ULVAC Inc)

Contact: **Yiying Wang** (Shanghai Institute of Microsystem and Information Technology,

CAS)
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D. High entropy alloys and Metallic Glasses

Chairs: **Kefu Yao** (Tsinghua University)
 Junwei Qiao (Taiyuan University of Technology)
 Yong Zhang (University of Science and Technology Beijing)
 Yong Yang (City University of Hong Kong)
 Eun Soo Park (Seoul National University)

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E. Meta-materials

Chairs: **Runhua Fan** (Shanghai Maritime University)
 Zhining Chen (National University of Singapore)
 Fabrizio Scarpa (University of Bristol)
 Huaxin Peng (Zhejiang University)

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F. Micro-nano materials and devices

Chairs: **Rongming Wang** (University of Science and Technology Beijing)
 Ruqiang Zou (Peking University)
 Xiangfeng Duan (University of California Los Angeles)
 Wei Chen (National University of Singapore)

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 Yinghui Sun (University of Science and Technology Beijing)
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G. Nano energy materials

Chairs: **Zhonglin Wang** (Beijing Institute of Nanoenergy and Nanosystems, CAS)
 Sang-Woo Kim (Sungkyunkwan University)
 Morten Willatzen (Technical University of Denmark)
 Zhixiang Wei (National Center for Nanoscience and Technology)
 Yong Qin (Lanzhou University)
 Junyi Zhai (Beijing Institute of Nanoenergy and Nanosystems, CAS)

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H. Molecule materials and devices

Chairs: Yunqi Liu (Institute of Chemistry, CAS)
Wenping Hu (Tianjin University)
Xianbao Wang (Hubei University)
Qichun Zhang (City University of Hongkong)
Jianguo Mei (Purdue University)

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I. Biomedical and Bio-inspired Materials

Chairs: Tao Deng (Shanghai Jiao Tong University)
Chengtie Wu (Shanghai Institute of Ceramics, CAS)
Val Vullev (University of California, Riverside)
Kelvin Yeung (The University of Hong Kong)

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Hongshi Ma (Shanghai Institute of Ceramics, CAS)
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J. Advances in Eco-materials

Chairs: Claudia L Bianchi (University of Milan)
Wenbin Cao (University of Science and Technology Beijing)
Soo Whon Lee (Sun Moon University)
Shuzhou Li (Nanyang Technological University)
Santi Maensiri (Suranaree University of Technology)
Sanjay Mathur (Cologne University)
Federico Rosei (INRS-EMT)
Chaoliang Tan (City University of Hongkong)
Duan Wen (Tsinghua University)
Shu Yin (Tohoku University)

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K. Energy materials for sustainable development

Chairs: Zhengxiao Guo (The University of Hongkong)
Min Zhu (South China University of Technology)
Ying Wu (North China Electric Power University)
Haiwen Li (Hefei General Machinery Research Institute)
Atsushi Unemoto (Tokyo Gas Co., Ltd)
Xuejie Huang (Institute of Physics, CAS & Songshan Lake Lab for Materials)

Zhigang Qi (Innoreagen Power Technology Co., Ltd)
Lototskyy Mykhaylo (University of the Western Cape, HySA Systems)
Renjie Chen (Beijing Institute of Technology)
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L. Smart Materials and Micro/nano-robots

Chairs: **Yongfeng Mei** (Fudan University)
Jinyao Tang (The University of Hongkong)
Gao Wei (California Institute of Technology)
Li Zhang (The Chinese University of Hong Kong)
Taeyoon Lee (Yonsei University)
Oliver G. Schmidt (Leibniz Institute for Solid State and Materials Research Dresden)
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M. Advanced Fiber Materials

Chairs: **Meifang Zhu** (Donghua University)
Benjamin S. Hsiao (Stony Brook University)
Seeram Ramakrishna (National University of Singapore)
Yi Li (Henry) (The University of Manchester)
Xinhua Wan (Peking University)
Zhigang Chen (Donghua University)
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Liping Zhu (Donghua University)
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N. Soft Electronic Materials and Devices

Chairs: **Zijian Zheng** (The Hong Kong Polytechnic University)
Wenlong Cheng (Monash University)
Guozhen Shen (Institute of Semiconductors, CAS)
Xue Feng (Tsinghua University)
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La Li (Institute of Semiconductors, CAS)
Tel: 18500050207

O. Chiral Micro & Nano Materials

Chairs: **Zhifeng Huang** (Hong Kong Baptist University)
Dangyuan Lei (City University of Hong Kong)

Contact: Junjun Liu (Hong Kong Baptist University)
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P. Novel Optoelectronic Materials and Devices

Chairs: Zhiyong Fan (The Hong Kong University of Science and Technology)
Guozhen Shen (Institute of Semiconductors)
Songxian He (City University of Hong Kong)
Hyunhyub Ko (Ulsan National Institute of Science and Technology, Korea)
Yu-lun Chueh (National Tsinghua University, Taiwan, China)
Leilei Gu (Shanghai Jiao Tong University)
Qianpeng Zhang (The Hong Kong University of Science and Technology)

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Q. 2D Materials

Chairs: Hua Zhang (City University of Hong Kong)
Jianbin Xu (The Chinese University of Hong Kong)
Wenjing Zhang (Shenzhen University)

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VII. Forums

A. Guangdong-Hongkong-Macau Great Bay Area Symposium on Advanced Materials

Chairs: Wenjun Zhang (City University of Hong Kong)
Zikang Tang (University of Macau)
Johnny CY Ho (City University of Hong Kong)

B. Forum for Young Researchers

联合体负责组织

C. Forum for Graduate Students

上海交大邓涛负责组织

D. Forum on Marine Materials

VIII. Conference Awards

- ✦ Frontier Materials Medal
- ✦ Frontier Materials Young Researcher Award
- ✦ Frontier Materials Graduate Student Award

IX. General Secretaries:

- ✦ Bo Ding (AMAC)
- ✦ Kim Lin (IUMRS)
- ✦ Ziqiang Dong (Shanghai University)

X. Conference Liaison:

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- ✦ Ziqiang Dong
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XI. Exhibition

- ✦ Exhibition on Frontier Materials;
- ✦ Exhibition on Materials Analysis and Lab Technology

Contact: Miss Jane

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XII. Publication of full papers

- ✦ Nano-energy (Selected papers to meet the requirement of the Journal);
- ✦ Progress in Natural Science: Materials International (Selected papers to meet the requirement of the Journal);
- ✦ Journal of Physics D: Applied Physics (Selected papers to meet the requirement of the Journal);
- ✦ Materials Science Forum

XIII. Important dates:

- ✦ Opening of the conference website Jul 25th, 2021
- ✦ First announcement and call for abstracts Aug 1st, 2021
- ✦ Dead-line for abstracts submission Oct 31st, 2021
- ✦ Dead-line for pre-registration Oct 31st, 2021

✦ Dead-line for full papers manuscripts submission Dec 8th, 2021

XIV. Registration Fee:

	Early Bird Rate (Before Oct 31, 2021)	On-site Rate (After Oct 31, 2021)
Student	1500	2000
Normal Participant	2500	3000