



CICC - 12

12th International Conference on High-Performance Ceramics

📅 2021.11.14-17 📍 Suzhou China

2nd ANNOUNCEMENT

Dear Colleagues,

The 12th International Conference on High-Performance Ceramics (CICC-12) will be held in Suzhou, China during Nov 14-17, 2021. The CICC series is hosted by the Chinese Ceramic Society and aims to provide a biannually international forum for scientists, engineers and entrepreneurs working on high-performance ceramics to disseminate and discuss their recent research and development outcomes. Since 1998, the CICC series have evolved into a flagship scholarly conference on ceramics held in China and gained considerable international impact, with the last conference seeing more than 1000 attendants worldwide.

The technical program of CICC-12 consist of 21 symposiums with topics covering, for example, advanced sintering techniques, ferro/piezo-electric ceramics, thermoelectric materials and nanoscale characterization methods. Each symposium will include keynote/invited/regular oral presentations and poster presentations, in addition to ad hoc events. The conference not only welcomes renowned scholars, but will also promote the participation of young researchers and graduate students.

The CICC-12 will be held as a hybrid meeting with both physical and virtual attendance at Kempinski Hotel Suzhou. The official language is English. More information regarding conference organization, abstract submission and registration, accommodation, etc. can be found at the CICC-12 website: <https://cicc2021.ceramsoc.com>

We are looking forward to seeing you this fall in Suzhou China.

Sincerely,

Prof. Ruiping Gao

Conference Chair, CICC-12

Prof. Jing-Feng Li

Secretary General, CICC-12

Prof. Wei Pan

Conference Co-Chair, CICC-12



Hosted by

The Chinese Ceramic Society

Organized by

Advanced Ceramic Division of The Chinese Ceramic Society

Micro-nano Technology Division of The Chinese Ceramic Society

State Key Laboratory of New Ceramics and Fine Processing, Tsinghua University

Co-organized by (Continually updating)

Gusu Lab

Soochow University

Congress Committees

Honorary Chairman

Long-Tu Li , Tsinghua University, China

Conference Chair

Ruiping Gao , The Chinese Ceramic Society, China

Conference Co-chair

Wei Pan, Tsinghua University, China

International Advisory Committee

Alymov Mikhail Ivanovich (Russia), Aneziris Christos G. (Germany) , Aydin Dog?an (Turkey), Barsoum Michel W. (USA), Binner Jon (UK), Bordia Rajendra (USA), Carty William M. (USA), Chang Jiang (China), Chen Gang (USA), Chen I-Wei (USA), Chen Lidong (China), Chen Xiangmin (China), Cheng Yi-Bing (China), Cheong Sang-Wook (USA), Clarke David R. (USA), Colombo Paolo (Italy), Dong Shaoming (China), Dubois Sylvain (France), Fahrenholtz William G. (USA), Ge Changchun (China), Goto Takashi (Japan), Ikesue Akio (Japan), Ikuhara Yuichi (Japan), Jen Alex K-Y. (China), Jiang Dongliang (China), Kang Suk-Joong L. (Korea), Kilner John (UK), Kim Hyung Tae (Korea), Koumoto

Kunihito (Japan), Krenkel Walter (Germany), Lee Jong-Heun (Korea), Li Hejun (China), Li Longtu (China), Li Nan (China), Li Xiaoguang (China), Lin Hua-Tay (China), Liu Junming (China), Lü Jian (China), Luo Hongjie (China), Maier Joachim (Germany), Mandal Hasan (Turkey), Marssi Mimoun El (France), Mathur Sanjay (Germany), Meijerink Andries (Netherland), Morante Joan Ramon (Spain), Müller Werner E. G. (Germany), Nan Cewen (China), Ohji Tatsuki (Japan), Padture Nitin P. (USA), Pan Wei (China), Pennycook Stephen J. (Singapore), R?del Jürgen (Germany), Ramesh Ramamoorthy (USA), Randall Clive A. (USA), Reece Michael J. (UK), Riedel Ralf (Germany), Shimano Kengo (Japan), Singh Mrityunjay (USA), Todd Richard (UK), Uher Ctirad (USA), Viehland Dwight (USA), Wang Hong (China), Wang John (Singapore), Yang Shoufeng (UK), Yang Yang (China), Yao Xi (China), Yildiz Bilge (USA), Zhang Guo-Jun (China), Zhang Hongjie (China), Zhang Lianmeng (China), Zhang Litong (China), Zhang Qingjie (China), Zhang Shengmin (China), Zhang Xiaowen (China), Zhou Ji (China), Zhou Yanchun (China), Zhou Yu (China), Zhu Jing (China), Zwaag Sybrand van der (Netherlands)

Academic Committee

Chair: Zhou, Yanchun (China)

Ballif Christophe (Switzerland), Cao Xueqiang (China), Catchpole Kylie (Australia), Chen Kexin (China), Cheng Zhenxiang (Australia), Cho Woo-Seok (Korea), Ferreira José Maria da Fonte (Portugal), Fukushima Manabu (Japan), Guillon Olivier (Germany), Han Liyuan (China), Han Minfang (China), Harmuth Harald (Austrian), Hinoki Tatsuya (Japan), Huang Qing (China), Huang Yunhui (China), Jantunen Heli (Finland), Jeon Jae-Ho (Korea), Jiang Wan (China), Jung In-Ho (Korea), Kalinin Sergei V. (USA), Kim Young-Wook (Korea), Klein Norbert (UK), Koch Dietmar (Germany), Kong Jie (China), Lee In-Seop (Korea), Lee Jae-Shin (Korea), Li Guorong (China), Li Jiangyu (China), Li Jing-Feng (China), Luo Jian (USA), Miura Hideo (Japan), Mostaghimi Javad (Canada), Ouyang Jun (China), Padture Nitin



(USA), Pan Xiaoqing (USA), Pullar Robert (Italy), Qi Yabing (Japan), Radovic Miladin Radovic (USA), Ryu Jungho (Korea), Shen Zhijian (Sweden), Silvestroni Laura (Italy), Singh Dileep (USA), Snyder G. Jeffrey (USA), Sun Zhengming (China), Tang Ruikang (China), Tang Xinfeng (China), Vassen Robert (Germany), Wada Satoshi (Japan), Wang Shiwei (China), Wang Xiaohui (China), Wang Yujin (China), Wen Zhaoyin (China), Wu Chengtie (China), Wu Shanghua (China), Xiong Xiang (China), Yang Lei (China), Yang Shihe (China), Yue Zhenxin (China), Zhang Shujun (Australia), Zhang Wenqing (China), Zhang Xinghong (China), Zhang Xixiang (Saudi Arabia), Zhao Xinbing (China), Zou Ji (China)

Organizing Committee

Chair: Mr. Zhanping Jin

Bai Yang (Beijing), Bai Yuelei (Harbin), Bernard Samuel (France), Bordia Rajendra K. (USA), Brankovi? Zorica (Serbia), Chen Fei (Wuhan), Chen Wan-Ping (Wuhan), Chen Wei (Wuhan), Chen Yan (Guangzhou), Chen Zhangwei (Shenzhen), Cheng Zhenxiang (Australia), Cheng, Yuan (Harbin), Cinibulk Michael (USA), Colombo Paolo (Italy), Cui Bai (USA), D'Angio Andrea (UK), Dong Shuai (Nanjing), Dong Yanhao (USA), Fahrenheitz William G. (USA), Fan Yuchi (Shanghai), Fey Tobias (Germany), Fu Qiu-Yun (Wuhan), Fu Wang-Yang (Beijing), Gao Peng (Beijing), Gao Xiang (Beijing), Gu Hui (Shanghai), Guo Jing (Xi'an), Gupta Surojit (USA), Han Dan (Shanghai), Han Minfang (Beijing), Hao Feng (Chengdu), He Rujie (Beijing), Hinoki Tatsuya (Japan), Hu Chunfeng (Chengdu), Hu Yongsheng (Changchun), Huan Yu (Ji'nan), Huang Juntong (Nanchang), Huang Qing (Ningbo), Huang Yunhui (Shanghai), Im Won Bin (Korea), Iqbal Muhammad Zubair (Hangzhou), Iwamoto Yuji (Japan), Jantunen Heli (Finland), Jeon Jae-Ho (Korea), Ji Wei (Wuhan), Jia Quanli (Zhengzhou), Jiang Wan (Shanghai), Karaki Tomoaki (Japan), Kim Dong-Pyo (Korea), Kim Young-Wook (Korea), Kirihara Soshu (Japan), Koch Dietmar (Germany), Kong Jie (Xi'an), Kong Xiangdong (Hangzhou), Krenkel Walter

(Germany), Kushima Manabu Fu (Japan), Lee Sea-Hoon (Korea), Li Fei (Xi'an), Li Guorong (Shanghai), Li He-ping (Wuhan), Li Jiangyu (Shenzhen), Li Jiguang (Japan), Li Jing-Feng (Beijing), Li Lei (Hangzhou), Li Qian (Beijing), Li Shibo (Beijing), Li Weidong (Shanghai), Li Yawei (Wuhan), Li Yueming Li (Jingdezhen), Liao Ting (Australia), Lin Hong (Beijing), Lin Yuanhua (Beijing), Liu Bin (Shanghai), Liu Ji-Xuan (Shanghai), Liu Junming (Nanjing), Liu Kai (Wuhan), Liu Weishu (Shenzhen), Liu Yi (Hanzhong), Liu Yongsheng (Xi'an), Liu Zhifu (Shanghai), Lou Xiaojie (Xi'an), Lu Ge-Yu (Changchun), Lü Jian (Hongkong), Luan Xingang (Xi'an), Luo Haosu (Shanghai), Luo Jian (USA), Luo Jun (Shanghai), Luo Wei (Shanghai), Luo Xudong (Anshan), Ma Jing (Beijing), Ma Qingsong (Changsha), Ma Wanli (Suzhou), Malic Barbara (Slovenia), Monteverde Frederic (Italy), Murthy Tammana S.R.Ch. (India), Ni De-Wei (Shanghai), Ni Na (Shanghai), Oda Takuji (Korea), Ouyang Jun (Ji'nan), Pan Liping (Wuhan), Pan Wei (Beijing), Qi Yabing (Japan), Riedel Ralf (Germany), Ryu Jungho (Korea), Shao Gang (Zhengzhou), Shen Heping (Australia), Shen Yang (Beijing), Shi Xun (Shanghai), Shimamura Akihiro (Japan), Silvestroni Laura (Italy), Singh Gurpreet (USA), Song Wen-jia (Germany), Sugahara Yoshiyuki (Japan), Sun Zhengming (Nanjing), Tang Zi-Long (Beijing), Tatarko Peter (Slovakia), Tu Rong (Wuhan), Wada Satoshi (Japan), Wan Chun-lei (Beijing), Wang Dawei (UK), Wang Chan-An (Beijing), Wang Gang (Luoyang), Wang Hailong (Zhengzhou), Wang Hao (Wuhan), Wang Hong (Shenzhen), Wang Jiajun (Harbin), Wang Jingyang (Shenyang), Wang Ke (Beijing), Wang Le (Hangzhou), Wang Shiwei (Shanghai), Wang Xiaohui (Shenyang), Wang Xiumei (Beijing), Wang Yiguang (Beijing), Wang YuJin (Harbin), Wei Zhanhua (Xiamen), Wen Qingbo (Changsha), Wen Zhaoyin (Shanghai), Wu Chengtie (Shanghai), Wu Jiagang (Chengdu), Wu Jia-Min (Wuhan), Wu Jianqing (Guangzhou), Wu Yiquan (USA), Xiang Huimin (Beijing), Xie Rong-Jun (Xiamen), Xiong Xiang (Changsha), Xu Haixuan (USA), Yang Guan-Jun (Xi'an), Yang Jianfeng (Xi'an), Yang Lei (Tianjin), Yang Quanhong (Tianjin), Yang Shoufeng (UK), Yin Hongfeng (Xi'an), Yin Yuewei (Hefei), Yu Jingkun (Shenyang), Yu Yan (Hefei), Yu Zhaoju (Xiamen), Yue Zhenxin (Beijing), Zeng Jiangtao (Shanghai), Zeng Yu-Ping (Shanghai), Zhai Jiwei

(Shanghai), Zhang Bo-Ping (Beijing), Zhang Chuanfang (Switzerland), Zhang Guo-Jun (Shanghai), Zhang Jian (Shanghai), Zhang Jinxing (Beijing), Zhang Qi (Wuhan), Zhang Qiang (Beijing), Zhang Shujun (Australia), Zhang Song (Wuhan), Zhang Xinghong (Harbin), Zhao Lingyun (Beijing), Zhao Wenyu (Wuhan), Zhou Aiguo (Jiaozuo), Zhou Yanchun (Beijing), Zhu Jianfeng (Xi'an), Zhu Jianguo (Chengdu), Zhu Tiejun (Hangzhou), Zou Chaoyong (Wuhan), Zou Ji (Wuhan), Zuo Ruzhong (Hefei)

Secretary-General

Prof. Jing-Feng Li

Plenary Speakers

1、 Satoshi Okochi

Toyota Motor Engineering & Manufacturing (China) Co.,Ltd., Japan
Materials Surrounding Mobility and Future Expectations

2、 Yu Zhou

Harbin Institute of Technology, China
Metastable Si-B-C-N System Ceramics and CMC: Challenges and Opportunities for High-Temperature Applications

3、 G. Jeffrey Snyder

Northwestern University, USA
Engineering Defects in Thermoelectric Semiconductors

4、 Damjanovic Dragan

Swiss Federal Institute of Technology at Lausanne-EPFL, Switzerland
Electro-mechanical Materials beyond Ferroelectrics (tentative title)

5、 Zhong Lin WANG

Beijing Institute of Nanoenergy and Nanosystems, Chinese Academy of Sciences
School of Materials Science and Engineering, Georgia Institute of Technology , USA
Piezotronics and Piezo-phototronics of ZnO



Conference Topics

- A.** High and Ultrahigh Temperature Ceramics and Composites
- B.** Nano-laminated Ternary Carbides, Nitrides and Borides and Their 2D Counterparts MXenes/MBenes
- C.** Polymer-derived Ceramics
- D.** Transparent Ceramics and Luminescent Materials
- E.** Advanced Porous Ceramics For Energy and Environment Application
- F.** Ceramic Thin Films and Coatings
- G.** Advances in Ceramic Matrix Composites
- H.** Advances in Powder Processing and Sintering
- I.** Progress in 3D Printing and Additive Manufacturing
- J.** Advanced Refractories and Traditional Ceramics
- K.** Microwave Dielectric Ceramics
- L.** Dielectrics/Ferroelectrics for Energy Storage
- M.** Lead-Free Ferroelectric/Piezoelectric Ceramics
- N.** Perovskites for Solar Cells, LEDs, and Other Applications
- O.** Thermoelectric Materials and Devices for Sustainable Energy Utilization
- P.** Ferroelectric/Multiferroic Materials & Devices
- Q.** Sensitive Materials and Devices
- R.** Ionic and mixed conducting ceramics
- S.** Advances in Bioceramics
- T.** Nanoscale Characterizations of Ceramics
- U.** Modeling and Design of Ceramics and Composites



Registration

All the participants should register on line.

Please click <http://cicc2021.ceramsoc.com/Meeting/Overseas/index.do> to finish your registration.

Fees

| Registration Fee (On-site) | Before Sep.15 | After Sep.15 | On-line |
|-------------------------------|---------------|--------------|---------|
| Regular Attendees | US\$700 | US\$800 | US\$300 |
| Student Attendees | US\$350 | US\$450 | |
| Accompanying person | US\$400 | US\$400 | |

Bank transfer:

Beneficiary: The Chinese Ceramic Society

Beneficiary Bank: the Bai Wan Zhuang Banking Office, Industrial and Commercial Bank of China

Bank Address: No.15, San Li He Road, Haidian District, Beijing 100037, P.R. China.

Account No.: 0200001409014435189

Swift Code: ICBKCNBJBJM

Please write "CICC +NAME "in the place of "Message".

* All bank charges will be borne by the participant.

For the overseas invited and keynote speakers who could not attend the on-site conference, the registration fee will be waived.

Contact

Prof. Jing-Feng Li (Tsinghua University)

Mrs. Xiaoxin Fu (The Chinese Ceramic Society)

Email: CICC_CCS@outlook.com

Website: cicc2021.ceramsoc.com