

The 11th International Conference on Scientific Computing and Applications (ICSCA 2019)

May 27-30, 2019, Xiamen University and
Tianyuan Mathematical Center in Southeast China

This will be the 11th of a sequence of conferences on Scientific Computing and Applications held at Xiamen University and Tianyuan Mathematical Center in Southeast China, in Xiamen, Fujian, China, May 27-30, 2019. The main goal of the conferences of this series is to bring together mathematicians, scientists and engineers working in the field of scientific computing and its applications to solve scientific and industrially oriented problems and to provide a forum for the participants to meet and exchange ideas of common interest in an informal atmosphere.

Theme Topics

- ◆ High order structure preserving methods for hyperbolic systems and related models;
- ◆ High order energy stable schemes in phase field and related models;
- ◆ High order spectral methods for problems with singular solutions;
- ◆ Recent advances in algorithms for scattering and inverse problems;
- ◆ Scientific and high-performance computing;
- ◆ Uncertainty qualification and big data.

Scientific Committee

Co-Chairs: Chi-Wang Shu (Brown University, USA)

Tao Tang (Southern University of Science and Technology, China)

Members: Gang Bao (Zhejiang University, China)

Huaxiong Huang (York University, Canada)

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Yau-Shu Wong (University of Alberta, Canada)

Xiaoming Wang (Southern University of Science and Technology, China)

Local Organization Committee

Jianxian Qiu, Jie Shen (Chair), Tao Xiong, Chuanju Xu

Plenary Speakers

Rémi Abgrall (University of Zurich, Swiss)

Gang Bao (Zhejiang University, China)

Andrea Bertozzi (University of California Los Angeles, USA)

Shi Jin (Shanghai Jiaotong University, China)

Chi-Wang Shu (Brown University, USA)

Xiaoming Wang (Southern University of Science and Technology, China)

Invited Speakers (confirmed)

Mejdi Azaiez (Bordeaux INP, France)

Juan Cheng (Institute of Applied Physics and Computational Mathematics, China)

Jie Du (Tsinghua University, China)

Xiaobing Feng (The University of Tennessee, USA)

Jean-Luc Guermond (Texas A&M, USA)

Jialin Hong (The Chinese Academy of Sciences, China)

Jingwei Hu (Purdue University, USA)

Jianguo Huang (Shanghai Jiaotong University, China)

Yan Jiang (University of Science and Technology of China, China)

Huiyuan Li (The Chinese Academy of Sciences, China)

Jichun Li (University of Nevada, USA)

Zhilin Li (North Carolina State University, USA)

Dong Liang (York University, Canada)

Guang Lin (Purdue University, USA)

Yanping Lin (The Hong Kong Polytechnic University, Hong Kong, China)

Yingjie Liu (Georgia Institute of Technology, USA)

Juan Lopez (Arizona State University, USA)

Peter Mineev (University of Alberta, Canada)

Mikael Mortensen (University of Oslo, Norway)

Jingmei Qiu (University of Delaware, USA)

Weiqing Ren (National University of Singapore, Singapore)

Xuecheng Tai (Hong Kong Baptist University, Hong Kong, China)

Huazhong Tang (Peking University, China)

Qinglin Tang (Sichuan University, China)

Lilian Wang (Nanyang Technological University, Singapore)

Wei Wang (Florida International University, USA)

Yau-Shu Wong (University of Alberta, Canada)

Yulong Xing (Ohio State University, USA)

Yinhua Xia (University of Science and Technology of China, China)

Liwei Xu (University of Electronic Science and Technology of China, China)

Xuejun Xu (The Chinese Academy of Sciences, China)

Yan Xu (University of Science and Technology of China, China)

Jiang Yang (South University of Science and Technology, China)

Xiaofeng Yang (University of South California, USA)

Yang Yang (Michigan Technology University, USA)

Haijun Yu (The Chinese Academy of Sciences, China)

Jiwei Zhang (The Chinese Academy of Sciences, China)

Qiang Zhang (Nanjing University, China)

Ran Zhang (Jilin University, China)

Shuhai Zhang (China Aerodynamics Research and Development Center, China)

Xiangxiong Zhang (Purdue University, USA)

Yongtao Zhang (University of Notre Dame, USA)

Xinghui Zhong (Zhejiang University, China)

Tao Zhou (The Chinese Academy of Sciences, China)

Zhennan Zhou (Peking University, China)

Jun Zhu (Nanjing University of Aeronautics and Astronautics, China)

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