

International Conference on Algorithms and Applications for Excited State Electronic Structure Theories

August 8-10, 2016, Beijing Computational Science Research Center
Beijing, China

Conference Themes

Excited state electronic structure theory is one of the most active research fields in condensed matter physics and quantum chemistry, and plays a critical role in understanding electronic and optical properties of materials and chemical systems, and in energy related applications. Numerical algorithms for excited state theory typically face the challenges of very high computational complexity. This conference aims at bringing leading experts in the field to introduce recent developments of numerical algorithms and applications of excited state theory, and to stimulate discussion among conference participants.

Scientific Committee

Roberto Car, Chair, Princeton University
Weinan E, Peking University and Princeton University
Haiqing Lin, Beijing Computational Science Research Center
Zhenyu Zhang, University of Science & Technology of China

Organizing Committee

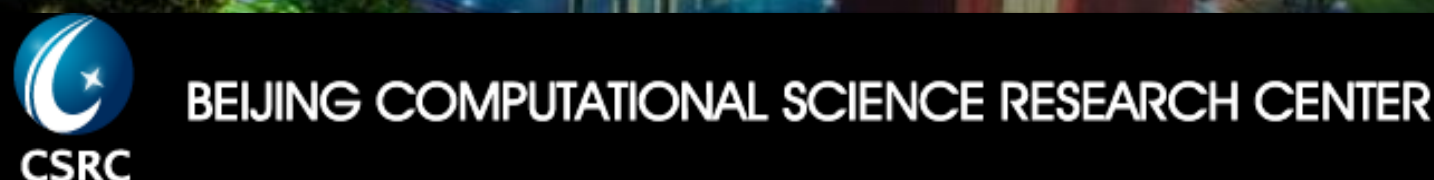
Wei Cai, co-chair, UNC Charlotte and CSRC
Lin Lin, co-chair, UC Berkeley
Limin Liu, Beijing Computational Science Research Center
Jianfeng Lu, Duke University
Chi-Yung Yam, Beijing Computational Science Research Center

Important Dates

Early Registration Deadline: July 1, 2016
Conference Dates: August 8-10, 2016

Invited Speakers

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| <i>Stefano Baroni</i> | <i>SISSA</i> |
| <i>Fabien Bruneval</i> | <i>CEA</i> |
| <i>Roberto Car</i> | <i>Princeton University</i> |
| <i>GuanHua Chen</i> | <i>Hong Kong University</i> |
| <i>Bert de Jong</i> | <i>Lawrence Berkeley National Lab</i> |
| <i>Wenhui Duan</i> | <i>Tsinghua University</i> |
| <i>Thomas Frauenheim</i> | <i>Universität Bremen</i> |
| <i>Shiwu Gao</i> | <i>Beijing Computational Science Research Center</i> |
| <i>Xin-Gao Gong</i> | <i>Fudan University</i> |
| <i>Eberhard Gross</i> | <i>Max Planck Institute</i> |
| <i>Lixin He</i> | <i>University of Science & Technology of China</i> |
| <i>Hong Jiang</i> | <i>Peking University</i> |
| <i>Yosuke Kanai</i> | <i>UNC Chapel Hill</i> |
| <i>Efthimios Kaxiras</i> | <i>Harvard University</i> |
| <i>Xinzheng Li</i> | <i>Peking University</i> |
| <i>Gang Lu</i> | <i>CSU Northridge</i> |
| <i>Sheng Meng</i> | <i>Chinese Academy of Sciences</i> |
| <i>Oleg V Prezhdo</i> | <i>University of Southern California</i> |
| <i>Eran Rabani</i> | <i>UC Berkeley</i> |
| <i>Zhigang Shuai</i> | <i>Tsinghua University</i> |
| <i>Giberto Teobaldi</i> | <i>University of Liverpool</i> |
| <i>Su-Huai Wei</i> | <i>Beijing Computational Science Research Center</i> |
| <i>Xifan Wu</i> | <i>Temple University</i> |
| <i>Yijing Yan</i> | <i>Hong Kong University of Science & Technology</i> |
| <i>Chao Yang</i> | <i>Lawrence Berkeley National Lab</i> |
| <i>Weitao Yang</i> | <i>Duke University</i> |
| <i>Zhenyu Zhang</i> | <i>University of Science & Technology of China</i> |



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