

International (CECAM-CN) Workshop on Excited States and Dynamics in Condensed Phases

May 15 (Wednesday), 2024 | Conference Room I, 1st Floor, CSRC Building

Morning Session Chair I: Shiwu Gao

| | |
|--|---|
| 08:30-08:40 | Opening Welcome remarks by Su-Huai Wei |
| 08:40-09:20 | TBA Mads Brandbyge (Technical University of Denmark) |
| 09:20-10:00 | Subnanometer resolved single-molecule optical spectroscopy Zhen-Chao Dong (University of Science & Technology of China) |
| 10:00-10:30 | <i>Photography; Coffee & Tea Break</i> |
| Morning Session Chair II: Su-Huai Wei | |
| 10:30-11:10 | TBA Hannes Jonsson (University of Iceland) |
| 11:10-11:50 | Theoretical study of chemical processes at the water interface Chong-Qin Zhu (Beijing Normal University) |
| 11:50-14:00 | <i>Lunch (Canteen, B1) & Rest</i> |
| Afternoon Session Chair I: Bing Huang | |
| 14:00-14:40 | TBA Anders Hellman (Chalmers University of Technology) |

International (CECAM-CN) Workshop on Excited States and Dynamics in Condensed Phases

| | |
|--|---|
| 14:40-15:20 | Computational study on the dome-like phase diagram of several superconductors Kai Liu (Renmin University of China) |
| 15:20-15:50 | <i>Coffee & Tea Break</i> |
| Afternoon Session Chair II: Jun Kang | |
| 15:50-16:30 | Ab initio real-time quantum dynamics of charge carriers in momentum space Qi-Jing Zheng (University of Science & Technology of China) |
| 16:30-17:10 | Electron-phonon coupling and anomalous phonon transport Wu Li (Eastern Institute of Technology, Ningbo) |
| 17:30-18:30 | <i>Dinner (Canteen, B1)</i> |
| May 16 (Thursday), 2024 Conference Room I, 1st Floor, CSRC Building | |
| Morning Session Chair I: Peng-Fei Guan | |
| 08:30-09:10 | TBA Sheng Meng (Institute of Physics CAS) |
| 09:10-09:50 | Nonadiabatic dynamics and time resolved spectra Zheng-Gang Lan (South China Normal University) |
| 09:50-10:20 | <i>Coffee & Tea Break</i> |
| Morning Session Chair II: Sheng Meng | |
| 10:20-11:00 | Theoretical study on coherent spin dynamics of magnetic molecules on surfaces Xiao Zheng (Fudan University) |

International (CECAM-CN) Workshop on Excited States and Dynamics in Condensed Phases

| | |
|--|---|
| 11:00-11:40 | TBA Xin-Zheng Li (Peking University) |
| 11:40-14:00 | <i>Lunch (B1 Canteen) & Rest</i> |
| Afternoon Session Chair I: Zi-Jing Ding | |
| 14:00-14:40 | Exciton-phonon coupling in semiconductors Jun Zhang (Institute of Semiconductors CAS) |
| 14:40-15:20 | TBA Xin-Guo Ren (Institute of Physics CAS) |
| 15:20-15:50 | <i>Coffee & Tea Break</i> |
| Afternoon Session Chair II: Shiwu Gao | |
| 15:50-16:30 | Gilbert damping of low-dimensional ferromagnetic materials Zhe Yuan (Fudan University) |
| 16:30-17:10 | Density-matrix embedding theory based multi-configurational wavefunction approach to strongly correlated single-impurity systems Hong Jiang (Peking University) |
| 17:10-17:30 | Closing Concluding remarks by Shiwu Gao |
| 17:30-18:30 | <i>Dinner (Canteen, B1)</i> |