



## The Second International Symposium on Advanced Microscopy and Spectroscopy (ISAMS-2) & The UCI School for Transmission Electron Microscopy (UCI-STEM)

University of California, Irvine  
ISAMS-2: December 8-10, 2019  
UCI-STEM: December 11-13, 2019  
<https://sites.uci.edu/isams2/>

We are delighted to host our second annual **International Symposium on Advanced Microscopy and Spectroscopy (ISAMS-2)**. The symposium will focus on the retrieval of hidden structural, chemical, electronic, orbital and spin information at the sub-atomic scale by leveraging the novel instruments that can capture electron scattering, and energy loss processes at unprecedented time and energy scales. Topical subjects of *in situ* microscopy such as gas and liquid cells, electrical and mechanical manipulation, and radiation damage will also be discussed.

Along with the ISAMS-2, IMRI is pleased to host the first **UC Irvine School on Transmission Electron Microscopy (UCI-STEM)** after the symposium. The primary focus of the school this year will be on liquid cell TEM, STEM and spectroscopy. The school will emphasize both theoretical background and practical aspects of instrument operation. We encourage anyone who would like to increase knowledge and skills on liquid cell TEM, STEM and spectroscopy techniques to participate in our first UC Irvine Microscopy School.

**Irvine Materials Research Institute (IMRI)** is a newly established interdisciplinary organization under the Office of Research of the University of California, Irvine (UCI). It serves as the cross-campus nexus for materials research at UCI. IMRI operates a wide range of state-of-the-art, open-access user facilities for the characterization of materials, biological samples and devices from sub-Å to macroscopic length scales – available to all university, industry and non-profit researchers. It offers advanced techniques and services with professional staff support.

### Conference Chair

Xiaoqing Pan

### Program Committee

Will Bowman, Shane Gonen, Xiaoqing Pan, Joe Patterson, and Huolin Xin

### Organization Committee

Toshihiro Aoki, Xiaofeng Liu, Shelly Nazarens, Li Xing, Mingjie Xu, and Jian-Guo Zheng  
Coordinator, Mary Ang

### Venues

University of California, Irvine  
CALIT2 Building Auditorium

### Abstract Submission

Email to: [isams@uci.edu](mailto:isams@uci.edu); Submission Deadline: October 15, 2019