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*Continuing the Series of International Conferences  
on Electron Spectroscopy*

**Clark Kerr Campus • University of California • Berkeley, California, USA**

#### SCIENTIFIC TOPICS

- Photoelectron and Auger spectroscopies in all forms
- Related soft x-ray fluorescence and near-edge x-ray absorption spectroscopies, as well as x-ray optical measurements
- Electron-energy-loss spectroscopies at low and high energies, including electronic and vibrational excitations
- Photon- and electron-based spectromicroscopies and microspectroscopies, including those using laboratory x-ray and synchrotron radiation sources, electron beams, and energy loss in electron microscopes
- Excitation cross-sections, relaxation effects, and many- electron phenomena
- Measurements with variable light polarization, spin detection, and time resolution; “complete” experiments of various types
- Coincidence spectroscopies using electrons
- Photoelectron, Auger electron, and other electron-based diffraction and holography; x-ray fluorescence holography
- Scanning tunneling spectroscopy and related electronic spectroscopies
- New developments in both laboratory and synchrotron radiation instrumentation
- New theoretical approaches for describing electronic structure and dynamics, as well as for interpreting experiments
- Applications of the above to atoms, molecules, liquids, surfaces/interfaces, nanostructures, catalysts, environmentally relevant problems, novel and complex materials, strongly correlated and magnetic materials, and industrial analytical problems

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