Wednesday

8:30 **WE-M1.0** ***Plenary - Theory and Calculations***

Lars Pettersson
Theoretical X-ray Spectrum Calculations **McCaw Hall**

9:15

COFFEE 9:15 - 9:45

	Theory and Modeling *McCaw*	**Catalytic Processes II** *Fisher 1*	**Environmental Applications I** *Fisher 2*
9:45	**WE-M1.1 Maurizio Benfatto** *Advances in the Theoretical Calculation of the XANES Energy Region: New Prospective for a Quantitative Structural Use*	**WE-M2.1 John Evans** *In situ Structure-function Studies of Oxide Supported Rhodium Catalysts by Combined Energy Dispersive XAFS and DRIFTS Spectroscopies*	**WE-M3.1 Alain Manceau** *Probing the Defect Structure of Natural Nanoparticles Using Micrometer-scale X-ray Fluorescence, Diffraction and Absorption Techniques*
10:15	**WE-M1.2 Takashi Fujikawa** *Theory of Optical Field Effects in XAFS*	**WE-M2.2 Sakura Pascarelli** *Dispersive XAS on a High Brilliance Source: Highlights and Future Opportunities*	**WE-M3.2 John Bargar** *Identification of Natural Bacteriogenic Mn Oxides in Sea Water*
10:45	**WE-M1.3 Heiko Wende** *XMCD Analysis beyond Standard Procedures*	**WE-M2.3 Johannes Bitter** *Evolution of Ti in TiCl(3) Doped NaAlH(4) - Implications for Hydrogen Storage*	**WE-M3.3 Steve Heald** *XAFS Study of the Chemical and Structural States of Technetium in Fe(III) Oxide Co-precipitates*
11:15	**WE-M1.4 Matteo Cavalleri** *Theoretical Analysis of Experimental Angle-Resolved NEXAFS Spectra of Molybdenum Oxides: a Tool to Unambiguously Identify Reactive Oxygen Sites*	**WE-M2.4 Kiyotaka Asakura** *EXAFS Studies on Dehydrogenation Catalyst Ni(2)P under the Real Working Conditions*	**WE-M3.4 Yinsong Wang** *Speciation of Iron in Atmospheric Particulate Matter by EXAFS*
11:35	**WE-M1.5 Grigory Smolentsev** *New Approach for 3D Local Structure Refinement Using Full-potential XANES Analysis*	**WE-M2.5 David Ramaker** *ED-XAS Data Reveal In situ Time Resolved Adsorbate Coverage on Supported MoO Catalysts during Propane Dehydrogenation*	**WE-M3.5 Steven Conradson** *Nanoscale Heterogeneity and Dynamic Energy Landscapes in Actinide-Containing Crystalline Materials*

LUNCH BREAK 12:00 - 13:30

13:30 **WE-PO** **Poster Session**
13:30-15:30

Catalysis(**WE-PO.1-28**) Environment(**WE-PO.29-59**) Materials(**WE-PO.60-99**)
Modeling(**WE-PO.100-113**) Nano XAS(**WE-PO.114-137**)

COFFEE BREAK 15:30 - 16:00

SSRL tour for pre-registered participants

Buses leave the Frances C. Arrilaga Alumni Center at 15:00 and return from SSRL to the Center ca 17:15

Conference Banquet

Stanford Museum/Cantor Arts Center
18:00 - 21:00