



MAX-PLANCK-UBC CENTRE FOR QUANTUM MATERIALS
International Summer School on Surfaces and Interfaces in Correlated Oxides
301 Hugh Dempster Pavilion, 6245 Agronomy Road, Vancouver, BC V6T 1Z4



	Monday August 29, 2011	Tuesday August 30, 2011	Wednesday August 31, 2011	Thursday September 1, 2011
	Thin Film Synthesis	Resonant X-Ray Methods	Electronic Properties	Electronic Properties
8:30 - 10:00	Darrell Schlom Oxide Molecular-Beam Epitaxy - an introduction with examples	Peter Abbamonte Applying XAS and RXD to the investigation of transition-metal-oxide heterostructures	Daniel Khomskii Theory of correlated oxides	Mona Berciu Polarons in bulk and near surfaces
10:00 - 10:30	Coffee break & discussions	Coffee break & discussions	Coffee break & discussions	Coffee break & discussions
10:30 - 12:00	Ionela Vrejoiu Pulsed laser deposition of superlattices and nanostructures	Giacomo Ghiringhelli Polarization dependent XAS and RIXS for the study of the electronic and magnetic structure of oxide thin films and interfaces	Thilo Kopp Aspects of the theory of oxides interfaces	Alexander Boris Spectroscopic ellipsometry: application to elec- trodynamic of correlated electron materials and oxide superlattices
12:00 - 13:00	Lunch break	Lunch break	Lunch break	Lunch break
	Resonant X-Ray Methods	Applications	Magnetism	Microscopy
13:00 - 14:30	Maurits Haverkort Pedagogical introduction to the theory of x-ray absorption (XAS), resonant x-ray diffraction (RXD) and resonant inelastic x-ray scattering (RIXS)	Jochen Mannhart Oxide electronics – an opportunity for electronics	Rob Kiefl Beta detected NMR and low energy muSR	Yan Pennec Introduction to Scanning Tunneling Microscopy: An atomic perspective on condensed matter physics.
14:30 - 15:00	Coffee break & discussions	Coffee break & discussions	Coffee break & discussions	Coffee break & discussions
15:00 - 16:30	Ralph Claessen Photoelectron spectroscopy of functional oxides: Heterostructures and buried inter- faces	Joshua Folk Thermopower as a probe of interacting condensed matter systems	Bernhard Keimer Neutron reflectometry: tutorial introduction and application to electronic properties of interfaces	Gianluigi Botton Introduction to Scanning Transmission Electron Microscopy and Electron Energy Loss Spectros- copy for the study of oxides
16:30 - 18:30	Postdoc / PhD talks 16:30 - S. G. Altendorf; 17:00 - F. Trouselet; 17:30 - S. Hossain	Poster Session	Postdoc / PhD talks	
18:30 - 21:30			Reception St. John's College Social Lounge, 2111 Lower Mall	