

Canada-Japan Frontiers of Materials Science Using Electron Microscopy - Schedule

University of Victoria, Hickman Building Room 116

Friday, July 31 st , 2015	
09:30 – 10:00	Welcome by Dr. David Castle, Coffee
10:00 – 12:00	Lab tours with Rodney
12:00 – 13:30	Lunch at the University Club
14:00 – 14:15	Nobuo Tanaka, Nagoya University <i>New possibilities of environmental HVEM for thicker samples</i>
14:15 – 14:30	Takafumi Ishida, Nagoya University <i>New Quantitative Phase Reconstruction Technique using Hollow-cone Probe and Annularly Arrayed Detectors in STEM</i>
14:30 – 14:45	Kazuo Yamamoto, JFCC (Japan Fine Ceramics Center) <i>Electrochemical reactions in an all-solid-state Li-ion battery observed by ex situ and in situ spatially-resolved TEM EELS</i>
14:45 – 15:00	Hirokazu Sasaki, Furukawa Electric Co. Ltd. <i>Analysis of GaAs compound semiconductors and the semiconductor laser diode using off-axis electron holography, Lorentz microscopy, electron diffraction microscopy and differential phase contrast STEM</i>

15:00 – 15:15	Tadahiro Kawasaki, JFCC <i>In-situ ETEM Observation of Propene Epoxidation by Gold Nanoparticles Supported on Anatase TiO₂</i>
15:15 – 15:30	<i>(If there is time)</i> Takayoshi Tanji, Nagoya University <i>Electron Differential Phase Microscopy with an A-B Effect Phase Plate</i>
15:30 – 16:00	Coffee
16:00 – 16:15	Rodney Herring, UVic <i>Recent STEHM activities and research projects</i>
16:15 – 16:30	Alex Brolo, UVic <i>Metallic Nanostructures: Fabrication and applications</i>
16:30 – 16:45	Frank van Veggel, UVic <i>On the characterization of core and core-shell nanoparticles and quantum dots</i>
16:45 – 17:15	Questions & Discussion