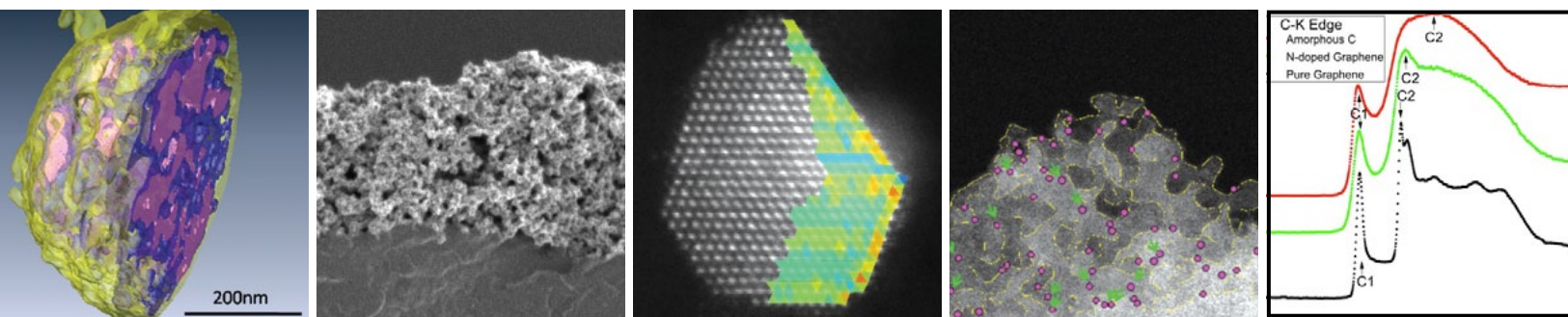


# Advanced Characterization of Energy Conversion and Storage Materials

**A ONE DAY WORKSHOP** jointly organised by the NSERC APC networks CaRPE-FC and LIB to discuss and present advanced characterization techniques and their applications to study novel catalysts and membranes for fuel cells and novel battery materials. The aim is to promote network interactions and introduce participants to a variety of characterization techniques and demonstrate advances in instrumentation. The workshop will include demonstrations of advanced instruments on site at the Canadian Centre for Electron Microscopy.



**Friday, May 17, 2013**

**9:30 a.m - 5:00 p.m.**

**Gilmour Hall 111, McMaster University**

HAMILTON ON CANADA

Registration & coffee: 9:30 a.m.

## REGISTRATION

Workshop is FREE but space is limited.

Register from April 1 - May 6

by visiting the website:

## TOPICS

- Scanning Transmission X-ray Microscopy of FC Membranes
- Advances in high-resolution electron microscopy (TEM and SEM)
- NMR techniques in fuel cells and battery materials studies
- X-ray diffraction methods

## KEYNOTE SPEAKER

- Karren L. More  
Oak-Ridge National Laboratory, USA

<http://ccem.mcmaster.ca/outreach-courses>