



The Electrochemical Society Inc.
Canadian Section Canadienne

SPRING SYMPOSIUM

Saturday, May 24, 2008
Samedi, 24 mai 2008

Electrochemistry in Energy Systems

Gunning-Lemieux Chemistry Centre
Lecture Hall E1-60
University of Alberta
Edmonton (Alberta)

Organized by/Organisé par
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Please confirm your attendance by
May 19, 2008 at: dwilkinson@chml.ubc.ca

CALL FOR POSTERS

A poster session will be held after invited talks. Those interested in submitting a poster should contact the organizer before **May 19, 2008**. Due to the space limitation, the number of posters is limited to 20. The max. poster dimensions are 45" x 45" There will be prizes for best student posters. Posters from non-students are also welcome.

PROGRAM

8:15 Registration / Breakfast

8:50 Welcome

Morning Session:

9:00 Elod Gyenge (Chemical Engineering, UBC) "*Borohydride PEM Fuel Cells: from electrocatalysis to novel cell design*"

9:30 Jeff Dahn (Physics and Materials, Dalhousie University) "*New electrode materials that can improve the safety and energy density of large Li-ion batteries*"

10:00 *Coffee Break*

10:20 Lei Zhang (NRC Institute for Fuel Cell Innovation) "*Fe-N/C and Co-N/C catalysts for the Oxygen Reduction Reaction*"

10:50 Karl T. Chuang and Jingli Luo, (Department of Chemical and Materials Engineering, The University of Alberta) "*Evolution of Fuel Cells powered by H₂S-containing gases*"

11:20 Sylvie Morin (Department of Chemistry, York University) "*Solar Conversion Efficiencies of New tpy and dpp Ru(II) Dyes for TiO₂ Dye-Sensitized Solar Cells*"

11:50 *Lunch*

Afternoon Session

13:20 Alex Adronov (Chemistry, M^cMaster University) **Lash Miller Award** of the Canadian Section of the ECS "*Functionalization of Single-Walled Carbon Nanotubes with Well-defined Polymers*"

14:10 John Madden (Electrical and Computer Engineering, UBC) "*Photosynthetic proteins in photovoltaic cells; and nanostructured materials for double layer energy storage*"

14:40 *Coffee Break*

15:00 David Harrington (Chemistry, University of Victoria) "*Microfluidic Fuel Cells*"

15:30 Alfred Lam (Chemical Engineering, UBC) "*A Novel Approach to Membraneless Direct Methanol Fuel Cells using Advanced 3D Anodes*"

16:00 Annual General Meeting

17:00 - 19:00 Poster session / Wine and cheese reception

REGISTRATION

Registration fee will be collected at the meeting (cash or check only), and will include the breakfast, coffee, lunch and poster reception.

ECS Member	\$70
Non-member	\$80
ECS Student Member	\$30
Student Non-member	\$40

Student travel assistance Application forms at:
<http://www.electrochem.org/ecs/sections/cana/cana.htm#a>

ACCOMODATION

This meeting is the day before the start of the annual CSC meeting (www.csc2008.ca). Therefore accommodations for this one day meeting may be found on the CSC website (www.csc2008.ca/index.cfm/ci_id/4918/la_id/1.htm)

SPONSORS

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