



ISA Edmonton Section November 2011 Technical Meeting

Nanotechnology

**Chateau Nova Hotel & Suites , 159 Airport Road Edmonton, AB
(location subject to change)**

Monday, November 28, 2011

Networking/Cash Bar: 6:00 PM
Dinner: 6:30 PM/Presentation: 7:00 PM
Cost: Members & Guest of Members \$20
~ Non Members \$30 ~ Student Members - \$5~

ABSTRACT:

Nanotechnology is the science and engineering of materials at the nanometer scale length. At this size scale, the lines between physics, chemistry and biology become blurred, because this is the size scale that these three sciences intermingle. In the last few decades, scientists and engineers have been finding ways to manipulate matter at this level, resulting in myriad commercial applications ranging from health care to sporting goods. In this session, I will describe what nanotechnology is and what some of the applications are.

PRESENTER : James Gospodyn

James Gospodyn completed his Bachelor’s Degree in Physics at the University of Winnipeg in 1999, his Master of Science in Electrical & Computer Engineering at the University of Alberta in 2002, and his Ph.D. in Electrical & Computer Engineering at the University of Alberta in 2008. In his Ph.D. work, James studied optical properties of inorganic, and organic nanostructured thin films. Upon completion of his graduate school work, James was employed as an instructor in the Instrumentation department at NAIT from 2007 to 2010. With the launch of the Nanotechnology Systems diploma program at NAIT in 2010, James began his current role as Associate Chair of the Nanotechnology Systems program.

Space Is Limited RSVP Deadline: Noon Friday, November 25, 2011

Phone: (780) 669-9708, Fax: (780) 628-5820 E-mail: admin@isaedmonton.ca

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2011 Section Events

October Meeting– Oct. 24

Advances in Spectroscopy
Woodvale Community League

November Meeting– Nov. 28

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No December Meeting

January Meeting– Jan. 30

Student Night
TBD—University of Alberta area

February Meeting– Feb. 27

Wireless
Woodvale Community League

Oil Sands Conference–Mar.

13/14
Fort McMurray Discovery Centre

March Meeting– Mar. 26

Oil Sands Automation
Woodvale Community League

Biannual Conference &

Exhibition – Apr. 18/19
Edmonton Northlands Park

April Meeting– Apr. 30

Carbon Capture
Woodvale Community League

May AGM Meeting– May 28

Process Analysis
Woodvale Community League

Family Event June