

OAPT 33rd Annual Conference

“Physics at Work”

May12 - May14, 2011

Hosted by McMaster University

Department of Physics & Astronomy

**Thursday 12 May 2011**

Time	Activity	Location	Speaker/Sponsor
5:30 – 7:30 pm	Registration/BBQ	Refectory Patio (Ref)	OAPT
7:30 - 7:40 pm	Welcome	Room 1110 MDCL*	Dave Doucette
7:45 – 8:30 pm	3D movie: Extreme Alien Worlds	Room 1110 MDCL*	Rob Cockcroft
8:45 – 10:00 pm	wine/cheese	MDCL* SE corner	OAPT

*MDCL = Michael G. DeGroot Centre for Learning & Discovery and Atrium

Friday 13 May 2011

Time	Activity and Location
8:45 – 8:55 am	Welcome: Dave Doucette / Roberta Tevlin Room 1110 MDCL
8:55 – 10:15 am	Keynote Address: Dr. Kari Dalnoki-Veress Room 1110 MDCL
10:15 - 10:45 am	Coffee break/vendors MDCL SE corner
10:45 - 12:00 pm	Session B Workshops: See Schedule on back page
12:00 - 1:00 pm	Box Lunch Theme: Physics at Work
1:00 - 2:15 pm	Session C Workshops: See Schedule on back page
2:15 - 2:30 pm	Coffee break/vendors MDCL SE corner
2:30 – 3:45 pm	Session D Workshops: See Schedule on back page
4:00 – 5:00 PM	Special Address: Dr. Al Bartlett Room 1110 MDCL

*MDCL = Michael G. DeGroot Centre for Learning & Discovery and Atrium

Saturday 14 May 2010

Time	Activity and Location	Speaker/Presenter
9:00 - 10:15 am	Session E Workshops: See Schedule on back page	
10:15 - 10:30 am	Coffee break/vendors MDCL SE corner	
10:30 - 11:45 am	Session F Workshops: See Schedule on back page	
11:45– 12:00 pm	Closing remarks Room 1110 MDCL	D. Doucette/ R. Tevlin

(turn to back page for Conference Workshops & Speakers)

OAPT 2011 Conference Workshops and Speakers
Friday 13 May 2011

Session A 8:55– 10:15	Keynote Address: Dr. Kari Dalnoki-Veress “Extraordinary Physics in Ordinary Systems”					
Session B 10:45- 12:00 pm	Dr. Micah Stickel <i>Engineering With Electricity and Magnetism</i> Room 1016	Dr. Stan Jerzak <i>Interdisciplinary approach to teaching physics</i> Room 3016	Dr. Shawn Bullock <i>Creating and Using Mini-Clips in the Physics Classroom</i> Room 3015	Dr. Cliff Burgess <i>The Large Hadron Collider: The Start of a New Era or the End of the World?</i> Room 3304	Duncan Foster <i>The Art of the Demo</i> Room 3017	Mike Newnham <i>Smarter Science: an inquiry-based framework Elementary (gr 6 -8)</i> Room 1116
Session C 1:00 - 2:15 pm	Mike Newnham <i>Smarter Science: an inquiry-based framework for grades 9 to 12</i> Room 1116	Dr. Adriaan Buijs/ Dr. Rafi Kleiman <i>Nuclear Energy for High School /Solar Cells & Sun Energy</i> Room 3304	Chris Meyer <i>My Experiments with Physics Education Research</i> Room 1110	Dr. James Wadsley <i>Computational Physics</i> Room BSB* 244	Dr. Jason Harlow <i>Ray Optics</i> Room 3015	McMaster - Astrophysics Graduate Students Planetarium Show Elementary (gr 6 -8) Rm BSB*B149
Session D 2:30 – 3:45 pm	Dr. Micah Stickel <i>Two Sides of the Same Coin: Fun with Motors and Generators</i> Room 1016	Dr. Cecile Fradin / Dr. Duncan O’Dell <i>Physics Inquiry Laboratories for Life Sciences</i> Room 1110	Graham Whisen <i>Social Net working - Learning Beyond the Classroom</i> Room 3017	Lisa Lim-Cole <i>Everyday Einstein: The GPS and Relativity</i> Room 3016	McMaster - Astrophysics Graduate Students Planetarium Show (Grade 9-12) Room BSB* B149	Dr. Richard Epp <i>Alice & Bob in Wonderland</i> Elementary (gr 6 -8) Room 1116
4:00-5:00	Special Address: Dr. Al Bartlett Room 1110 “Arithmetic, Population, and Energy: Forgotten Fundamentals of the Energy Crisis”					

***BSB** = Burke Science Building (building 11 on campus map)

Saturday 14 May 2011

Session E 9:00-10:15 am	Chris Meyer <i>The Physics Challenge - Cooperative Group Problem Solving</i> Room 1016	Graham Whisen / Stephen Lippa <i>Integrating New Literacy in Physics</i> Room 3017	Dr. Damian Pope <i>Large Hadron Collider & Particle Physics</i> Room 1116	Dr. Deda Gillespie / Dr. Dan Goldreich <i>The Physics of the Nervous System</i> Room 1115	John Atherton <i>Building Bridges: Making the connection between Physics and Engineering</i> Room 3016	Glenn Wagner <i>Using Whiteboards to promote self-explanation</i> Room 3015
Session F 10:30- 11:45am	Caroline Burgess / Dr. Karen Hughes <i>Teaching Physics Through Concept Contests</i> Room 3015	Dr. Anjali Ahooja <i>Everything is About Physics</i> Room 1016	Dr. Christine Wilson <i>Beyond the Visible Universe</i> Room 3016	John Caranci <i>Kinesics and Para-Language – The power of Body Language in High School Physics</i> Room 3017	Roberta Tevlin <i>Curved 4-D Spacetime for grade 9 Astronomy (and grade 12 physics)</i> Room 1115	James Ball <i>YouTube Physics</i> Room 1116
11:45–12:00	Closing Remarks: Dave Doucette/ Roberta Tevlin					