



Ontario Association of Physics Teachers
 University of Ontario Institute of Technology
 Conference 2013



Physics Education Research in Action!
 May 2 – 4, 2013

Blue sessions focus on Physics Education Research (PER)

Thursday May 2, 2013

Registration and Dinner

Science Building: UA West Atrium
 5:30 pm – 7:30 pm

Welcome

Science Building: UA 1350
 7:30 pm – 7:40 pm

Activities and Tours

You may sign up for one of these.

- How Do Scientists Think? The Process of Science – Dave Fish in UA1350 7:45 – 8:45
- Build Your Own Canadarm Model – Stan Taylor in UA 2120 7:45 – 8:45
- Tour of UOIT Labs – Departure from Atrium at 7:45 pm and 8:15 pm– Val Kapoustine (UOIT)

Social

8:45 pm – 10:00 pm

Friday May 3, 2013

Welcome

Science Building: UA 1350
 8:45 am – 8:55 am

Physics Education Research in Action

PER Team
 8:55 am – 10:15 am

Break

10:15 am – 10:45 am

Friday May 3, 2013 Workshop Session A
 10:45 am - Noon

Number	Title	Presenter(s)	Location
01	Advanced Problems in Elementary Physics	Sergio Boyko	UA 1350
02	PER: "Getting The HOTS* with Brain Research" *Higher order thinking skills	Dave Doucette	UA 2120
03	Common Sense Special Relativity	Dave Fish	UA 1220
04	The Physics of Climate Change	Ashley Kilgour and Kim Strong	Moved to Saturday
05	Interactive Lecture Demonstrations	Diana Hall	UA 1240
06	Solar Energy: An Engaging Approach for Teaching Voltage, Current and Power	Micah Stickel	UA 1140

Lunch

Noon – 1:30 pm
 Bagged lunches are provided in the Atrium

Friday May 3, 2013 Workshop Session B
1:30 pm – 2:45 pm

Number	Title	Presenter(s)	Location
07	Current Research in Peer Instruction in Physics Education	Joseph MacMillan	UA 1350
08	PER: Retrieval Practices that Make Learning “Sticky”	Glenn Wagner	UA 2120
09	Guelph Mars Mission	Iain Campbell and Glynis Perett	UA 1140
11	Modelling the Scientific Method with a Stacked Deck	Dave Harrison	UA 1240
12	The Frilly Bits	John Caranci	UA 1220

Break
 2:45 pm – 3:15 pm

Friday May 3, 2013 Workshop Session C
3:15 pm – 4:30 pm

Number	Title	Presenter(s)	Location
13	Effective Uses of Technology and Demonstrations	Rupinder Brar	UA 1350
14	PER: Teaching Forces – PER Style!	Chris Meyer	UA 2120
17	Biophysics in the Classroom	Sara Cormier	UA 1240
18	12C Physics	Richard Taylor	UA 1140

Closing Remarks for the Day

Science Building UA 1350
 4:30 pm – 5:00 pm

Do Science Tanzania
 Diana Hall

The Great Giveaway

Dinner

You may sign up to one of five restaurants.

Games Room at the South Village Residence is open after dinner for those of you who wish to chat.
Light snacks provided.

Saturday May 4, 2013

Saturday May 4, 2013 Workshop Session D
9:00 am – 10:15 am

Number	Title	Presenter(s)	Location
19	Building Dye-Sensitized Solar Cells	Valeri Kapoustine	UA 1350
20	PER: Using Diagnostic Tests to Evaluate Student Understanding	Glenn Wagner	UA 2120
21	Medical Physics	Tetyana Antimirova and Ana Pejovic-Milic	UA 1140
22	The Physics of Climate Change	Ashley Kilgour, Kim Strong (Camille Viatte) Shawn Brooks and Lisa Lim-Cole	UA 1220

Break
 10:15 am – 10:45 am

Saturday May 4, 2013 Workshop Session E
10:45 am – 12:30 pm

Number	Title	Presenter(s)	Location
24	PER: Physics – The Greatest Story That Can’t Be Told	Dave Doucette, Chris Meyer	UA 2120
25	What the Higgs!?	James Ball	UA 1140
26	Light Demos for Grade 10 Optics and Grade 12 Physics	Roberta Tevlin	UA 1220

Closing Remarks

Science Building UA 1350
 12:30 pm – 12:45 pm

Volunteer Team Lunch

Are you interested in becoming more involved in the OAPT?
 Please join us for lunch.
 Location TBA

Thanks for Joining Us This Year! Keep in Touch!