

## **UBC Physics Teacher Workshop – for Science 9/10 and Physics 11/12 teachers “Hovercraft and LED flashlight”**

**Date:** October 24, 2008 (Pro-D Day)

**Time:** 9:00am – 3:00pm

**Location:**

UBC Hennings Building Room 208  
6224 Agricultural Road  
Vancouver, BC

**Cost:** \$60.00 dollars (Cheque payable to UBC Department of Physics & Astronomy)

Please note: Only teachers who register and pay the fee before workshop date will be guaranteed supplies to take with them. Registration will be confirmed once the cheque payment has been received.

**Presenter:**

Andrzej Kotlicki (Lecturer & Research Associate, Department of Physics & Astronomy)  
Chris Waltham (Professor, Department of Physics & Astronomy)

**Workshop Description:**

The UBC department of Physics and Astronomy will be offering its first professional development workshop this year on October 24<sup>th</sup>, 2008. The UBC physics workshops are designed for both physics teachers and for teachers of all sciences. This workshop will provide you with interesting, hands-on activities to take back and use immediately with your classes.

Workshop activities will include:

- **Building a 6-person hovercraft** – You will take this 4'x4', 18kg hovercraft home (We will supply all materials needed to build the hovercraft except for the air source: an electric leaf-blower or a shop vacuum cleaner with a blow outlet. Please bring your own #2 Robertson screwdriver).
- **Making a tri-colour LED flashlight** which can be used to demonstrate colour mixing.
- Workshop will include discussions on the physics of fluids and colour vision and how to bring these topics into the classroom

**Audience:** Grade 11 and 12 physics teachers, or Grade 9 and 10 science teachers.

**Registration information:**

To register, please send your name, school, subject, grade, and contact information (email and phone number) to Theresa Liao, UBC Physics Outreach Program Coordinator

Email: [outreach@phas.ubc.ca](mailto:outreach@phas.ubc.ca)

Phone: 604-822-3675

Registration Deadline: October 17<sup>th</sup>, 2008

**Cheques (payable to UBC Department of Physics & Astronomy) can be mailed to:**

Outreach Coordinator  
Department of Physics and Astronomy  
6224 Agricultural Road  
Vancouver, BC, V6T 1Z1