

The Canadian Association of Physicists



A proud supporter of Canadian physics students and their initiatives, including:

www.cap.ca

- the Canadian Undergraduate Physics Conference
- the Canadian Undergraduate Physics Journal
- the CAP university lecture tour
- CAP University Prize Exam
- physics career information
- free undergraduate student memberships!

L'Association canadienne des physiciens et physiciennes

*Congrès 2009 Congress
June 7-10 juin -- Moncton*

Soutient fièrement les étudiants de physique
canadiens et leurs initiatives, incluant:

- la Conférence canadienne des étudiants de physique
- le Journal canadien des étudiants en physique
- la tournée de conférences de l'ACP
- le concours universitaire
- l'information sur les carrières en physique
- l'adhésion gratuite pour les étudiants de premier cycle

news

AUPAC 2008

UPEI hosts Atlantic undergraduates

BY KATY HALLY

Since 1982, physics undergraduates from around the Atlantic provinces have looked forward to a particular weekend in February. On that weekend, we gleefully forget about our homework, gather our fellow physics majors, and jump into vans, buses and planes on our way to the Atlantic Undergraduate Physics and Astronomy Conference (AUPAC).

AUPAC 2008 was hosted on the beautiful campus of the University of Prince Edward Island from 8th to 10th of February. Over 140 delegates from nine Atlantic universities attended the event, the main focus of which is always the undergraduate research presentations and poster fair. 40 students presented their work in a series of 15-minute talks, covering a variety of topics from hydrodynamics to solid state to particle and subatomic physics.

As usual, the conference also fea-

tured a Graduate Studies Fair, various social events, and lectures by four keynote speakers. The speakers this year were Heather Auld, James Drummond, Cécil Fradin, and Bill Whelan. The first two of these work in the field of atmospheric physics; Heather Auld is a meteorologist working for Environment Canada in both domestic and international capacities, while James Drummond holds the Canada Research Chair for Remote Sounding of Atmospheres at Dalhousie and is currently doing research at the PEARL research facility in Nunavut. The others are biophysicists; Cécil Fradin is pursuing several projects related to fluorescence at McMaster University, and Bill Whelan researches light and sound propagation in human tissue as the Canada Research Chair for Biomedical Physics at the University of Prince Edward Island.

AUPAC 2009 will be held at the University of New Brunswick, Fredericton campus.

UNIVERSITÉ DU QUÉBEC À TROIS-RIVIÈRES

UQTR

Département de physique

www.uqtr.ca/dphy/

Programmes de cycles supérieurs:

- ▶ Maîtrise en physique
- ▶ Maîtrise et doctorat en sciences de l'énergie et des matériaux (en collaboration avec l'INRS)

L'Institut de recherche sur l'hydrogène offre une riche infrastructure de recherche orientée vers les énergies renouvelables et l'utilisation de l'hydrogène comme vecteur énergétique.

Pour plus d'information sur les programmes et le soutien financier:

jean.hamelin@uqtr.ca

AUPAC 2008 PRIZE WINNERS

APICS UNDERGRADUATE SCIENCE COMMUNICATION AWARD

Student's choice award for skill in explaining research to the general public

RYAN GESSNER
Acadia University

An investigation into the effectiveness of a low-cost radon gas mitigation system

BEST MATERIALS PRESENTATION

MARC COLLETT
Moncton University

Attempt at a new procedure to prepare electrochromic devices

BEST POSTER

MOSTHARUL HASSAN
Memorial University

Mixing and unmixing immiscible materials

BEST PRESENTATIONS

ANDREW REDDIN
Dalhousie University

Stretching a muscle protein using statistical mechanics

ERIC OUELLETTE
Mount Allison University

Peering into a crystal ball: Compton scattering on deuterium in Mainz, Germany

JUSTINE MACMILLAN
Acadia University

Extracting tidal power from the world's largest bathtub