



Report from the CAP President, Robert Fedosejevs



With this report I am happy to say that the CAP has successfully transitioned into a new organizational structure under the new government legislation *Canada Not-for-Profit Corporations Act*. While there are changes to the governance of the organization, such as the Executive Committee becoming the Board of Directors and the legal decision-making body, in general you will not notice much difference in the day-to-day activities.

We look forward to an exciting year as we focus activities on the upcoming 2015 International Year of Light and start implementing changes to improve the way the CAP delivers programs and benefits to the membership as we begin acting on the 5-year Strategic plan which was approved by members this past summer.

We will also continue our lobbying efforts with the government to improve the support for science. In this regard, the CAP submitted a brief to the House of Commons Finance Committee in response to a call for input to the 2015 federal budget planning process. We also plan a new drive to connect the CAP with politicians and parliamentary MPs.

Enjoy the start of Fall and please feel free to send me any comments and suggestions that you might have on our programs or activities.

Bob Fedosejevs (rfed@ualberta.ca)

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IMPORTANT UPDATES

CAP Foundation (CAPF)

The CAPF supports a wide range of activities to encourage excellent young physics students and HS/CÉGEP physics

CAP News



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Upcoming Dates/Deadlines

- **2014 November 15** – Deadline for submission of nominations for CAP's

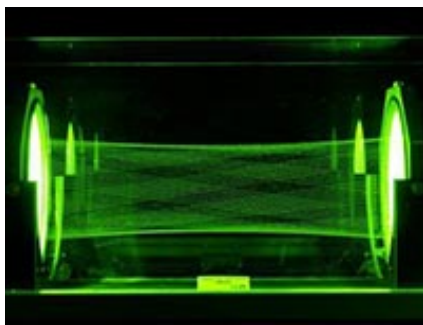
teachers across the country, including the annual CAP Lecture Tour, the High School Prize Examination, the Lloyd G. Elliott University Prize Examination, the Canadian Undergraduate Physics Conference, the biannual Canada-America-Mexico Graduate Student Conference, the Canada-Wide Science Fair, and the HS/CÉGEP Teaching Awards, for which the CAPF provides cash prizes and award certificates.

The CAP Foundation needs your (charitable) donations in order to continue and expand the sponsorship of these and related important activities in support of physics education and outreach in Canada. Contributions may be made by anyone, at any time, using the [online contribution form](#). CAP members are specifically invited to contribute at the time of their annual membership renewal but may also contribute at any time.

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The International Year of Light and Light-based Technologies (IYL 2015)

In proclaiming an International Year focusing on the topic of light science and its applications, the United Nations has recognized the importance of raising global awareness about how



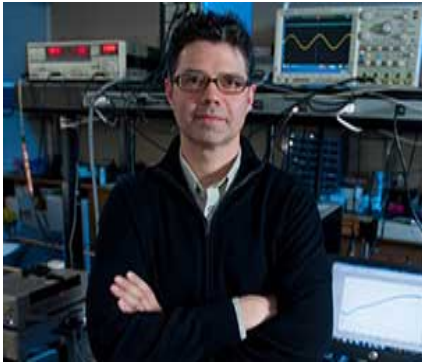
light-based technologies promote sustainable development and provide solutions to global challenges in energy, education, agriculture and health. Light plays a vital role in our daily lives and is an imperative cross-cutting discipline of science in the 21st century. It has revolutionized medicine, opened up international communication via the Internet, and continues to be central to linking cultural, economic and political aspects of the global society. A selection of activities celebrating IYL 2015 will be organized by the CAP in collaboration with the Division of Atomic, Molecular and Optical Physics, Canada (DAMOPOC). To date these activities include a themed lecture tour in 2015, two special themed issues of *Physics in Canada* in 2015, and a special themed category as part of the CAP's annual Art of Physics competition (entry fee is waived for submissions related to IYL, and the winning entry will be used as the cover for the IYL issue of *Physics in Canada*).

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medals and awards. Look for the upcoming Call for Nominations or see <http://www.cap.ca/en/activities/medals-and-awards> for the list of medals to be awarded in 2015

- **2015 January 20** – CAP's Professional Practice Exam Date
- **2015 February 3** – CAP's University Prize Examination Date
- **2015 June 15-19** – CAP Annual Congress in Edmonton, Alberta

The CAP-NSERC Liaison Committee



We are very pleased to announce that, effective immediately, Prof. William (Bill) Whelan from the University of Prince Edward Island has been appointed by the CAP and NSERC as the new Chair of the CAP-

NSERC Liaison Committee until June 2017. Bill replaces John Dutcher from the University of Guelph who served as Chair for the past five years. We thank John for his dedicated service and contributions to this important portfolio. See [here](#) for a list of current Committee members.

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Pre-budget submission to the House of Commons Standing Committee on Finance

CAP has prepared the Pre-budget submission to the House of Commons Standing Committee on Finance that acknowledged the federal government's contributions to the funding/research landscape to date and made three recommendations: to increase base funding for granting agencies, including indirect costs of research; to increase scholarships and internships for students; and to increase funding for research infrastructure and fundamental science.

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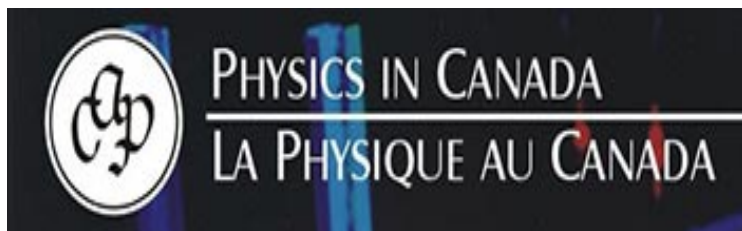
CAP application for Continuance under the new *Canada Not-for-Profit Corporations Act*

CAP has received official approval of our application for continuance and is now in the process of transitioning from its old governance structure to a decision-making Board of Directors with an Advisory Council. The first meetings under this new structure will be held during the weekend of October 3-5 in Ottawa. The Board of Directors (formerly the Executive of the CAP) are looking forward to working with our volunteer Councillors and Division Chairs to ensure the continued effective management of the Association.

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PUBLICATIONS

Upcoming Issues of *Physics in Canada*



The issue of *Physics in Canada* that is devoted to material arising from the 2014 Congress (e.g. award winners, interviews, papers from award winning students) is currently under production. The final issue of *Physics in Canada* for 2014, which will be on Space Science, is being coordinated by Gordon Shepherd (York University). The first issue in 2015 will focus on Photonic Devices and is being coordinated by Simon Thibault from Université Laval.

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COMMUNITY NEWS - DISTINCTIONS

Four Physicists Nominated to RSC College of New Scholars, Artists and Scientists



BLAIS, Alexandre
Département de physique,
Université de Sherbrooke



CLERK, Aashish
Department of Physics,
McGill University



HORNIDGE, David
Physics Department,
Mount Allison University



MARTIN, Randall
Department of
Physics and
Atmospheric Science,
Dalhousie University

On September 16, 2014, the Royal Society of Canada (RSC) named the inaugural 91 members of "The College of New Scholars, Artists and Scientists". Quoting from the announcement, "they represent the emerging generation of scholarly, scientific and artistic leadership in Canada." Among those nominated are four physicists: Alexandre Blais (Université de Sherbrooke), Aashish Clerk (McGill University), David Hornidge (Mount Allison University), and Randall Martin (Dalhousie University). Please consider

nominating your colleagues for future awards!

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RECENT AND FUTURE EVENTS

June 2014 and June 2015 CAP Congresses

The 2014 Congress took place at Laurentian University from June 16 to 20, 2014. The event was attended by over 500 physics researchers from universities, industry, and government labs. The meeting offered its usual outstanding scientific program of plenary sessions, invited sessions, contributed sessions, and poster sessions, in addition to the unique opportunity to have a guided tour of SNOLAB.



[The next CAP Congress](#) will take place in Edmonton from June 15 to June 19, 2015. Mark your calendars and plan on attending this event.

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The 5th IUPAP International Conference on Women in Physics – August 2014

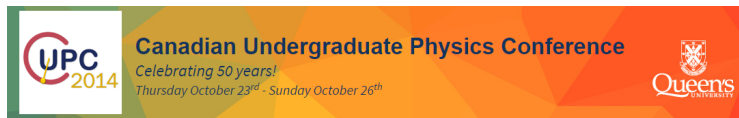


Wilfrid Laurier University, on behalf of the Canadian Association of Physicists and the International Union of Pure and Applied Physics, hosted the 5th International

Union of Pure and Applied Physics (IUPAP) International Conference on Women in Physics (ICWIP) from August 5-9, 2014. The conference was attended by over 200 scientists from 52 countries. The second issue of *Physics in Canada* for 2015, with a "Women in Physics" theme, will feature a selection of articles on topics such as gender studies in physics, improving the working environment, physics education, cultural perceptions and bias in scientific practice, and professional development and leadership for women in physics. Shohini Ghose (Wilfrid Laurier University), Adriana Predoi-Cross University of Lethbridge) and Gillian Butcher (University of Leicester, UK and the IUPAP Working Group on Women in Physics) will be collaborating as co-editors for this issue.

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The Canadian Undergraduate Physics Conference - October 23-26, 2014



[The Canadian Undergraduate Physics Conference](#) is the largest non-profit conference of its kind in North America. Queen's University and their Department of Physics, Engineering Physics & Astronomy are thrilled to be hosting the 50th anniversary of this very important and exciting conference from Oct. 23-26. The conference provides undergraduate students with the opportunity to share their research experiences with their peers and explore the various areas of study in physics. The conference consists of student talks and poster sessions, plenary lectures by world-class physicists, panels (new this year), lab tours, a graduate & career fair, and multiple social events.

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2015 Canada-America-Mexico (CAM) Graduate Student Conference – date tba

The CAM conference is a bi-annual meeting that is organized by and for graduate students. It is co-sponsored by the American Physical Society (APS), the Canadian Association of Physicists (CAP), and the Sociedad Mexicana de Física (SMF). The conference, which comprises student talks, a poster session, and plenary talks/panel sessions, seeks to promote international networking and career development for young scientists. The next CAM

conference (CAM2015) is scheduled to be held in Mexico in 2015 (exact date to be announced later). We hope to see our graduate students attend it!

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The 2015 (5th) Annual Conference on Women in Physics Canada – date tba

This conference is aimed at young women, primarily undergraduate and graduate students, in physics, astrophysics and engineering physics, as well as early career physicists and postdocs. The conference will facilitate the sharing of experiences, ideas and advice, and presents an opportunity for participants to share their research/work experiences via poster and oral presentations. The 2015 Annual Conference on Women in Physics Canada will be hosted by the Department of Physics at the University of Toronto. Stay tuned for updates!

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Canadian Association of Physicists

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