



Canadian Institute of Nuclear Physics Institut canadien de physique nucléaire

March 2011 Newsletter

Prepared by: Garth Huber

In order to improve communications with its faculty and associate members, the CINP Board of Directors has decided to institute a periodic newsletter. We hope this will help keep our membership abreast of CINP activities and opportunities for support.

CINP Board Members:

| | | | |
|-----------------|---------------|-------------------------|------------------------------|
| President: | Kumar Sharma, | University of Manitoba | sharma@physics.umanitoba.ca |
| Vice-President: | Roby Austin | Saint Mary's University | austin@ap.smu.ca |
| Membership: | Jean Barrette | McGill University | jean.barrette@mcgill.ca |
| Treasurer: | Paul Garrett | University of Guelph | pgarrett@physics.uoguelph.ca |
| Secretary: | Garth Huber | University of Regina | huberg@uregina.ca |
| | Jens Dilling | TRIUMF | jdilling@triumf.ca |

Webmaster: Zisis Papandreou University of Regina zisis@uregina.ca

CINP Scientific Working Group Chairs:

| | | | |
|----------------------------|--------------------|-------------------------|------------------------------|
| Hadron Structure/QCD: | Charles Gale | McGill University | gale@physics.mcgill.ca |
| Nuclear Astrophysics: | Barry Davids | TRIUMF | davids@triumf.ca |
| Nuclear Physics | | | |
| Education & Training: | Corina Andreoiu | Simon Fraser University | caa12@sfu.ca |
| Nuclear Structure: | Krzysztof Starosta | Simon Fraser University | starosta@sfu.ca |
| Beyond the Standard Model: | Gerald Gwinner | University of Manitoba | gwinner@physics.umanitoba.ca |

External Conference Support:

We wish to bring to the attention of faculty and associate members that the CINP may extend partial funding to workshops, meetings and conferences of broad relevance to nuclear physics in Canada. Requests are appraised against the mission and goals of the CINP, and funding is contingent upon satisfactorily showing that the event will further the aims of the CINP and benefit its members. Application forms for external conference support are available from the CINP website: www.cinp.ca and should be returned, when completed, to the Chair of the Scientific Working Group most closely related to the conference topic.

Recently supported conferences include:

- International Nuclear Physics Conference 2010 (INPC2010)
- Strong and Electroweak Matter 2010
- CINP Workshop on Fundamental symmetries 2010
- CINP travel grant for a distinguished speaker in nuclear physics at CAP Congress 2010
- Canadian Workshop on Nuclear- and Astro-Physics of Stars 2010
- International Conference on Low Energy Antiproton Physics 2011 (LEAP 2011)
- 14th Capture Gamma Symposium, September 2011

Executive Director Search:

The CINF is looking for an Executive Director to oversee the day-to-day operations of the Institute, to represent it on various external advisory and review committees, to lead the planning and co-ordination of the nuclear physics community's long-term research priorities as reflected by its Scientific Working Groups, and to assist in the recruitment of new institutional, individual and associate members. For more information on the CINF and the anticipated duties of the Executive Director, please visit www.cinp.ca.

The successful candidate must be a current or recently-retired faculty member who is eligible for CINF membership. The successful candidate will be a nationally recognized researcher in nuclear physics, and possesses excellent leadership and communication skills. The position is expected to be part-time, with remuneration provided for partial teaching relief (if applicable) or a stipend. Travel and other expenses will be fully reimbursed.

Interested persons, or those interested in nominating a qualified individual, should contact:

Dr. Roby Austin

CINF Vice-President and Chair of the Executive Director Search Committee

Tel: 902-491-6260

Email: austin@ap.smu.ca

Subatomic Physics Long Range Plan Update:

One of the CINF's major responsibilities has been to coordinate the input of Canadian nuclear physicists towards the formation of the next long range plan, covering the years 2011-2016. A committee consisting of the heads of the five Scientific Working Groups and the CINF President oversaw the writing of the CINF's brief. The draft document was circulated to the community for comment, and subsequently was submitted to the NSERC LRPC. President Sharma acts as an ex-officio resource to the NSERC LRPC, and attends all LRPC meetings and discussions on behalf of CINF members. At present, the NSERC LRPC expects to make its first draft report available for community comment in late May, in advance of the CAP Congress in St. John's, NL.

Other Nuclear Physics Community Representation:

The CINF is an ex-officio member on reviews such as the Advisory Committee on TRIUMF (ACOT), NSERC Subatomic Physics Large Project day, and the HEP Working Group re. Associate Membership of Canada at CERN.

CINF Sessions at the CAP 2011 Congress

An exciting series of activities are planned for the opening day of the CAP 2011 Congress (Monday, June 13th, 2011) in St. John's Newfoundland. A tentative schedule is provided below. Please note in particular that the CINF business meeting will take place from 11:00 AM to 12:00 noon. Please plan to attend.

| SAP Draft-Schedule for Monday June 13th, 2011 | | |
|--|--|----------------|
| Time | Event | Speaker |
| 8:30 | Joint CINF/IPP session: NSERC SAP LRP Report | Malcolm Butler |
| 9:30 | NSERC SAP ES Chair's report | David Hanna |
| 10:00 | TRIUMF Scientific Director's report | Reiner Krueken |
| 11:00 | CINF Annual General Meeting | |
| 12:00 | Lunch and CINF Board Meeting (closed) | |
| 14:00 | News from NSERC - CAP community wide session | Isabelle Blain |
| 15:30 | Broader SAP science panel discussion - details TBA | |
| 17:00 | CAP opening BBQ | |
| 19:00 | Herzberg Lecture - Rolf Dieter Heuer -Director General -CERN | |

Individual Membership:

The CINF currently has 72 individual members (64 faculty and 8 associate), who have membership in the Scientific Working Groups (SWGs) as follows:

| | |
|---------------------------|----|
| Nuclear Structure | 28 |
| Nuclear Astrophysics | 26 |
| Beyond the Standard Model | 36 |
| Hadrons and QCD | 19 |
| Nuclear Physics Education | 24 |

We estimate this represents about $\frac{3}{4}$ of the active faculty-level nuclear physics researchers in Canada, but only a small proportion of the grad students and PDFs who qualify for associate membership. If your students, PDFs and colleagues are not yet members of the CINF, please consider asking them to join and contribute to the activities of the SWGs. The membership forms are posted at www.cinp.ca, or contact Membership Director, Jean Barrette, for further information.

Institutional Membership:

The CINF is currently supported by seven institutional members, representing universities in 6 provinces plus TRIUMF. The institutional members are the owners of the CINF and are solely responsible for the election of the Board of Directors. Faculty and associate membership in the CINF is free. Institutional members annual dues are used to support the operation of the CINF and pay expenses not eligible to the CINF's NSERC grant. This includes the payment for the Executive Director, the search for whom is now underway. If your university is not yet a member, we encourage you to contact the Membership Director, Jean Barrette, for further information.

Next Newsletter:

We anticipate that the next CINF newsletter will be circulated in the fall. We encourage you to contact any board member regarding your suggestions for improvements to CINF operation, or topics for future newsletters.