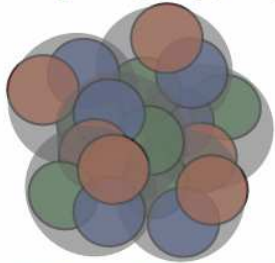


C I N P



I C P N

**Canadian Institute of
Nuclear Physics**

**Institut canadien de
physique nucléaire**

2018 Individual Members AGM

June 14, 2018

Halifax, NS

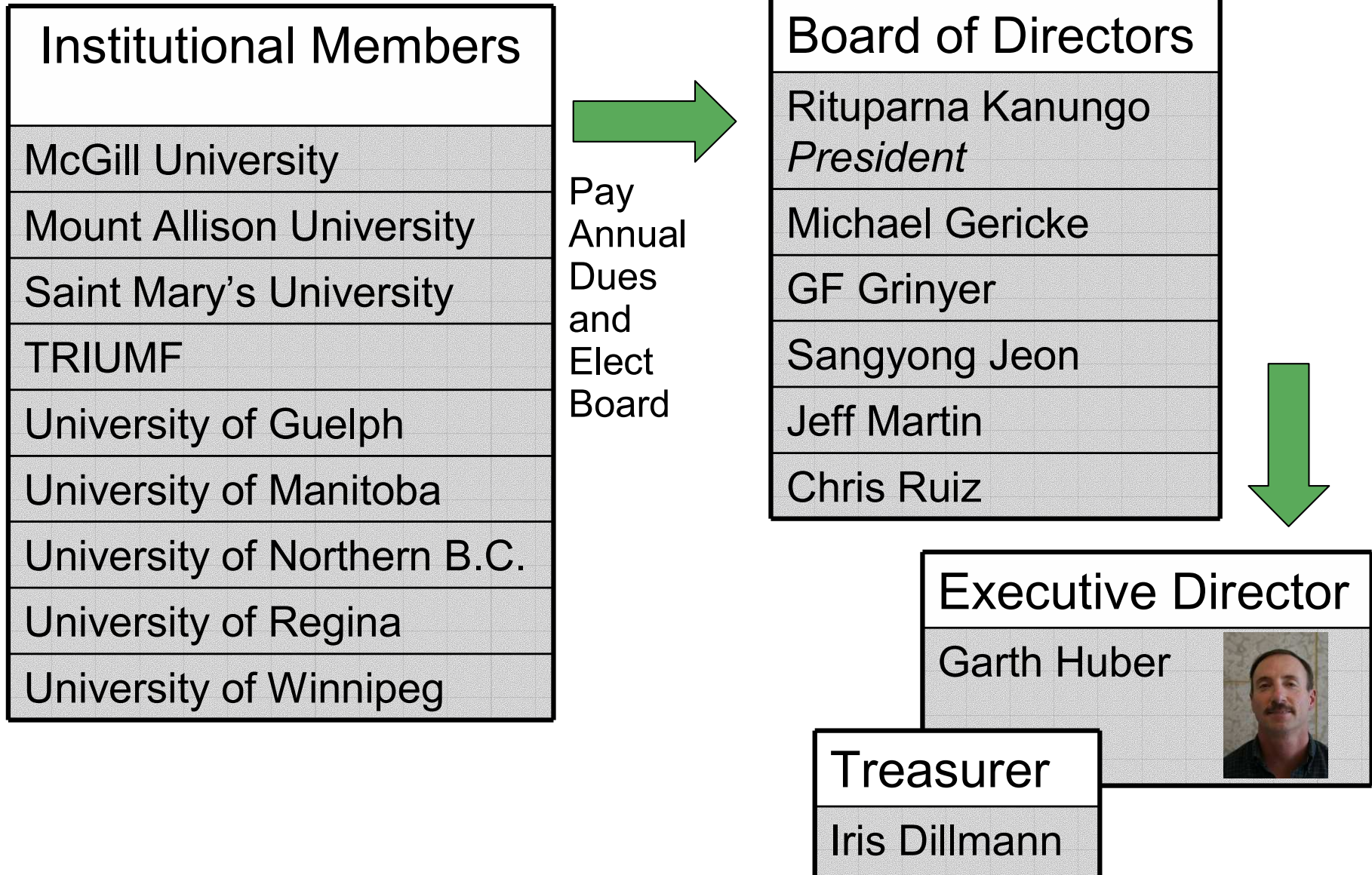
Agenda

- 1. Approval of Agenda**
- 2. Executive Director's report**
- 3. Financial Report**
 - Prepared by Iris Dillmann
- 4. Discussion item**
 - Feedback on new Junior Scientist Travel Support Program
- 5. Member Input**
- 6. Adjourn**

What is the CINP?

- The CINP is a formal organization of the Canadian nuclear physics research community to promote excellence in nuclear research and education, and to advocate the interests and goals of the community both domestically and abroad.
 - Federally incorporated under the Canada Not-for-profit Corporations Act.
- Represents researchers covering all aspects of experimental and theoretical nuclear physics. Co-ordinates planning on a national scale and exchanges information within and between the various sub-fields of nuclear physics.
- Leads initiatives to strengthen the level and quality of nuclear physics research in Canada, including fellowships, undergraduate research scholarships, student travel awards, and targeted conference support.

CINP Governance



Our thanks to:

- **Thank you to David Hornidge (Mt Allison) who is stepping down from the CINP Board.**
 - Two terms as Board member (2011-14 and 2015-18).
- **Thank you also to Jens Dilling (TRIUMF) who resigned from the CINP Board in November due to his other responsibilities.**
 - Two consecutive terms as Board member, including two years as CINP President (2013-15).
- **Please welcome incoming Board members GF Grinyer (Regina) and Chris Ruiz (TRIUMF), who were elected at the CINP Institutional Members meeting on May 4.**

CINP Individual Membership

- Net gain of 1 member since last year.
 - Increase in number of Faculty-level members offset by decline in Associate-level, as some retired members decided to not renew and some PDFs left the field.
- Please encourage your grad students and PDFs to join and contribute to the activities of the CINP!

New Faculty Members:
 Mohammad Ahmady (Mt Allison)
 GF Grinyer (Regina)
 Robert Laxdahl (TRIUMF)
 Ania Kwiatkowski (TRIUMF)
 Manu Paranjape (Montreal)
 Ruben Sandapen (Acadia)

New Associate Members:
 Ryan Ambrose (Regina)
 Samip Basnet (Regina)
 Mike Pearson (Montreal)
 Li Yan (McGill)

	Now	1 Year Ago	Change
As of June 14, 2018			
Faculty Level	73	67	+6
Associate	43	48	-5
Experiment Major Interest	86	87	-1
Theory Major Interest	29	27	+2

Scientific Working Groups



Working Group	Members	Chair
Nuclear Astrophysics	40	Iris Dillmann (TRIUMF)
Nuclear Structure	48	Adam Garnsworthy (TRIUMF)
Fundamental Symmetries	45	Gerald Gwinner (Manitoba)
Hadrons/QCD	39	Charles Gale (McGill)
Nuclear Physics Education & Training	40	Juliette Mammei (Manitoba)

SWG Chair Duties:

- be the main point-of-contact for the SWG membership.
- help facilitate the CINP scientific program, e.g. contribute material to or suggest authors for the CINP website and newsletter, and help organize workshops.
- help write the CINP Brief for input to the NSERC Subatomic Physics Long Range Plan, and to provide input on other CINP activities, such as the annual presentation at NSERC Large Projects Day and the AGM.
- act as an advisor to the CINP Executive Director on related scientific issues.
- work together with the CINP Executive Director and other SWG Chairs on issues related to funding, long-range planning, and outreach.
- encourage people to join CINP, and to participate in the SWG.

CINP 2017–18 Accomplishments



- **Nuclear Physics Representation.**
 - **The CINP has been vital in giving the nuclear physics community a coherent and strong voice.**
 - Meetings with NSERC, CFI, Innovation Science and Economic Development Canada (ISED) on issues of importance to the nuclear physics community.
 - **Input to *Federal Fundamental Science Review*.**
 - **Written submissions to Finance Pre–Budget Consultations and various cabinet members.**
 - **Invited presentation to House Committee on Finance in Saskatoon, SK.**
 - Joint CINP+IPP “Context Document” for SAPES Fall Policy Meeting.
 - NP Community Representative at Advisory Committee on TRIUMF (ACOT), spring and fall annually.
 - Formal observer to NuPECC (Nuclear Physics European Collaboration Committee).

Fundamental Science Review

- The 2018 federal government budget contained a lot of good news for science.
- It appears that the recommendations of the Fundamental Science Review have been overwhelmingly accepted.
- **On behalf of CINP, I would like to thank those of you who contacted their federal MP or other government representative to ask for the implementation of the report.**



CINP 2017–18 Accomplishments



- **Successful programs to assist students in presenting their Nuclear Physics research at domestic conferences.**
 - 4 undergraduates supported to Canadian Undergraduate Physics Conference (CUPC) at Carleton Univ, Ottawa, ON in October, 2017.
 - 6 graduate students supported to Winter Nuclear and Particle Physics Conference (WNPPC) at Mont Tremblant, QC in February, 2018.
- **Conference Support Program is in very high demand.**
 - Advances in Radioactive Isotope Science, ARiS 2017, Vail, CO
 - 11th International Workshop on Neutrino–Nucleus Scattering in the Few GeV Region, NuInt 2017, Toronto, ON
 - TRIUMF Summer Institute 2017 “Modern Tools for Nuclear Astrophysics”, Vancouver, BC
 - “Challenges of the world–wide experimental search for the electric dipole moment of the neutron” nEDM 2017, Harrison Hot Springs, BC
 - 2018 Asia Pacific Center for Theoretical Physics (APCTP)–TRIUMF Joint Workshop on “Understanding Nuclei from Different Theoretical Approaches”, Pohang, South Korea
 - Fundamental Neutron Physics Summer School 2018 – Raleigh, NC

CINP 2017–18 Accomplishments



- **CINP Undergraduate Research Scholarships (URS)**

- A supervisor can nominate only their best student for the award. The selection is competitive, with only the top ~1/2 nominees selected.
- \$4000 student stipend which must be matched by supervisor to at least \$8k (typically \$8.5k).
- \$1300 travel supplement available if the supervisor intends to send the student to a laboratory or to work with a second collaborator for an extended period.

- **CINP URS is complementary to the NSERC USRA in several key aspects:**

- 1) Gifted international students studying in Canada are eligible to apply for the CINP URS, but not the NSERC USRA.
- 2) An important element of the URS is the optional Travel Award, which allows the supervisor to send student to a lab or work with second collaborator for an extended period. This can have a significant impact on the quality of the research experience for some undergrads. The NSERC USRA has no such component.

CINP 2017–18 Accomplishments



2018 CINP Undergraduate Research Scholarships

Student	Supervisor	Project Title	Travel
Dixin Chen (McGill)	Thomas Brunner (McGill)	Design of a laser-induced single Ba-ion source for nEXO	No
Chan Gwak (UBC)	Jason Holt (TRIUMF)	First principle nuclear theory for dark-matter detection experiments	Yes
Alejandra Nunez (Acadia)	Ruben Sandapen (Acadia)	Mesons in holographic light-front QCD	Yes
Sebastien Roy-Garand (St Mary's)	Rituparna Kanungo (St Mary's)	Transfer reaction studies with rare isotopes at TRIUMF	Yes
Mallory Snow (Memorial)	Aleksandrs Aleksejevs (Memorial)	Study of few nucleon systems in a computational hadronic model	No

A record 14 applications were received. Selection Committee: Adam Garnsworthy (TRIUMF), Sangyong Jeon (McGill), Elie Korkmaz (UNBC).

CINP 2017–18 Accomplishments



• Community Outreach.

- CINP facilitates new connections and allows the disparate Canadian nuclear physics community to develop a common identity.
- CINP website <http://www.cinp.ca/> updated regularly.
- 2 Newsletters annually.



Canadian Institute of Nuclear Physics
Institut canadien de physique nucléaire

November 2016 Newsletter



Canadian Institute of Nuclear Physics
Institut canadien de physique nucléaire

The Canadian Institute of Nuclear Physics (CINP) is a formal organization of the Canadian nuclear physics research community to promote excellence in nuclear research and education, and to advocate the interests and goals of the community both domestically and abroad.

April 2016 Newsletter

1. CINP Sessions at the CAP 2016 Congress

As is now customary, the CINP and IPP are hosting a joint session immediately prior to the official start of the CAP Congress at the University of Ottawa. Our schedule for the meetings is below. **Please be sure to arrive on Sunday and attend the CINP sessions!**



Time	Event
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CINP Financial Statements

- Prepared by Iris Dillmann



NSERC Account FY17 (actual)	
FY16 Carry forward	3,758
FY17 Installment	45,000
Representation Travel	7,040
ACOT (2 trips)	2,217
SAP Large Projects Day	2,081
Other (ICFA, IUPAP, CAP)	2,743
Conference Sponsorship	7,000
nEDM 2017	3,000
CUPC 2017	1,000
APCTP 2018	3,000
Undergrad Res Scholarships	19,300
Student Conf Support	4,855
CUPC 2017	1,904
WNPPC 2018	2,951
Misc	493

NSERC Account FY18 (budgeted)	
FY17 Carry forward	10,821
FY18 Installment	46,000
Representation Travel	7,400
ACOT (2 trips)	2,300
SAP Large Projects Day	1,300
Other (Ottawa, Reviews)	1,800
NuPECC	2,000
Conference Sponsorship	6,000
Undergrad Scholarships	23,900
Student Conf Travel	5,000
CUPC 2018	2,000
WNPPC 2019	3,000
Junior Scientist Travel Support Program	7,500
Misc	850
Projected EoY Balance	6,171

CINP Financial Statements

- Prepared by Iris Dillmann



Private Account FY17 (actual)	
FY16 Carry forward	\$51,701
FY17 Dues assessed	\$20,500
Board Meeting Expenses	\$73
Executive Director	\$22,500
Finance Expenses	
Bank	\$20
Industry Canada	\$0
Total FY17 Expenses	\$22,593
Year End Balance	\$49,609

Private Account FY18 (budgeted)	
FY17 Carry forward	\$49,609
FY18 Dues assessed	\$20,500
Board Meeting Expenses	\$100
Executive Director	\$23,000
Finance Expenses	
Bank	\$100
Industry Canada	\$20
Tax Filing	\$500
Total FY18 Expenses	\$23,720
Projected Year End Balance	\$46,389

Congratulations to Ritu Kanungo

- **Recipient of 2018 TRIUMF-Vogt Medal for Contributions to Subatomic Physics, for contributions to subatomic physics and her leadership and contribution to the field of direct reaction and halo-nuclei studies with rare isotopes.**
- Ritu has also been President of CINP since 2015.
- **Congratulations Ritu on this important recognition of your research accomplishments!**



Discussion Item

Junior Scientist Travel Support Program



- A new program for FY18.
- The goal of the JSci program is to allow grad students and PDFs to broaden their research horizon and become more mature scientists.

Two types of eligible expenditures:

1. Allow grad students and PDFs to attend specialized workshops and schools not directly related to their research project and hence not normally funded from supervisor's NSERC grant.
 2. Enable PDFs to present their work at conferences or workshops, to better position them for successful careers in subatomic physics. Conferences already receiving funds from CINP are not eligible.
- Allocation for FY18 is \$7500. In the 2 months since the program was announced, three applications at \$2850 already approved (all type #2). Funds remaining= \$4650.



Junior Scientist Travel Support Program

- With 3 applications received within the first two months, the Junior Scientist Travel Support Program has clearly filled an unmet need.
 - Applicants are encouraged (but not required) to use the CINP support to leverage additional sources of funding.
- **What are your suggestions for the program in future years?**
 - **Are the types of eligible expenditures appropriate?**
 - **Is the program budget reasonable?**

Agenda Items

5. Comments and Suggestions from the Membership

6. Adjourn