

Dear IPP members-

The following six colleagues have been nominated for the two forthcoming vacancies on the IPP Council. Short biographies are included at the end of this message. To vote, please type an X next to a maximum of two names and return this email to the sender. Your ballot will go directly to the UVic Physics Department Chair's Secretary who, with a second scrutineer, will tally the votes in confidence. THE DEADLINE IS MAY 31.

Doug Gingrich (University of Alberta)  
Aksel Hallin (Queen's University)  
Mike Hasinoff (University of British Columbia)  
Rob McPherson (University of Victoria)  
Wendy Taylor (York University)  
Andreas Warburton (McGill University)

The four members that remain on Council are Drs. Burgess from Perimeter/McMaster, Krieger from Toronto, Konaka from TRIUMF, and O'Neil from SFU. No more than two can be from a single institution. Additional information about the Council can be found at [www.ipp.ca](http://www.ipp.ca).

As required by our by-laws, the final tally will determine the outcome at the annual meeting at TRIUMF in June. But please note that this is the only ballot you will receive - THERE WILL BE NO OPPORTUNITY TO VOTE AT THE ANNUAL MEETING, so please cast your vote now.

Thanks.  
Charles Picciotto  
Secretary/Treasurer

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BIOGRAPHIES

Doug Gingrich

I obtained a Ph.D. in Physics from the University of Toronto in 1988. From 1988 to 1993, I was a Postdoctoral Research Associate at the University of Oxford and a College Lecturer at Hertford College Oxford. Since 1993, I have held a joint professorship with the University of Alberta and TRIUMF. I was promoted to full professor in 2001.

My research area is experimental high-energy physics. I have worked on the E516, ARGUS, ZEUS, RD3, OPAL, ATLAS and STACEE experiments. My current research activities focus on delivering radiation hard microelectronics for ATLAS and studying gamma-ray emission from Active Galactic Nuclei with STACEE.

I have served on almost all committees in the Department of Physics at Alberta. I have been the Subatomic Research Focus Area Coordinator and am now the Director of the Centre for Subatomic Research at the University of Alberta. In addition, I was on the NSERC BaBar review committee in 1995-6 and two steering committees within the liquid argon calorimeter group of ATLAS. I am currently the Alberta Institutional Proxy on IPP and have served on IPP Council during 1998-2001.

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Aksel Hallin

My research activities, since I moved to Queen's in 1991, have been focussed on the Sudbury Neutrino (SNO) experiment. I lead the local Queen's group, interact extensively with graduate and undergraduate students and postdocs, and enjoy analyzing the data. My collaboration responsibilities include being the calibration group leader, PMT/cabling co-group leader and member of the SNO scientific board.

Prior to joining SNO I was an assistant professor at Princeton, where I participated in several experiments motivated by measurements that reported electron positron resonances in heavy ion scattering. I also participated in the MEGA and Crystal Box  $\mu \rightarrow e \gamma$  searches at Los Alamos. My PhD thesis, at Princeton in 1982, set a limit on the time-reversal-violating "D" coefficient in the beta decay of polarized Neon-19.

I am a proponent of the SNOLab underground laboratory, and am excited by the possibility that Canada can play a major role in several areas of cutting edge particle astrophysics. During the life of the laboratory, we could reasonably expect to determine whether or not neutrinos are Majorana particles, measure their masses, observe cosmological dark matter, and continue to expand our understanding of standard and non-standard neutrino interactions.

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Mike Hasinoff

I received my PhD from Stanford University, then worked as a post-doc at the University of Washington before joining the faculty at UBC. My research work has been focused on radiative capture reactions ( pion, muon, anti-proton and kaon ) as well as pizero photon detection. This work has been carried out at TRIUMF as well as Brookhaven, CERN and KEK. From 1986--1998 I was the leader of the RMC group at TRIUMF where we constructed a large drift chamber to study the pseudoscalar current in the weak interaction using mu- radiative capture on hydrogen. From 1993-2004 I was the Canadian spokesman for a T-Violation experiment at KEK searching for new physics beyond the Standard Model which was able to provide tighter constraints on the Two Higgs Doublet model. In 2002 I spent my sabbatical year at CERN constructing and commissioning a small TPC x-ray detector for use in the CERN Axion Solar Telescope (CAST) experiment. I am currently working on the TWIST experiment at TRIUMF and the KOPIO experiment at BNL.

I have served on the TRIUMF Operating Committee, the IPP Board of Directors and the CAP-NSERC Liaison committee.

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Rob McPherson

I obtained my B.A.Sc. from UBC in honours engineering physics in 1989 and my Ph.D. from Princeton University in 1995 working primarily on Experiment E787 (rare Kaon decays) at the Brookhaven National Laboratory. In January 1996 I became a Fellow at the CERN laboratory working on the OPAL experiment. Since October, 1997, I have been an IPP Research Scientist with the University of Victoria based at CERN. I held both CERN Scientific (2004) and Project (2001) Associate positions while at CERN. I will be based in Canada from July 2005. My current research focus is essentially completely on the ATLAS experiment at the CERN Large Hadron Collider, the LHC. I am currently the principal investigator of the ATLAS group at Victoria, and deputy spokesperson of ATLAS Canada.

On E787, I worked on the construction of a set of "straw chambers", particularly the design, layout and manufacture of readout electronics achieving 30 psec pulse time difference resolution across 2500 channels for position measurement along the straw. I also designed, constructed, and analyzed data from a full radial sized prototype of the E787 "Ultra Thin Chamber", a cylindrical foil-type wire chamber. My Ph.D. thesis contained the analysis and final results of the E787 run-I  $K^+ \rightarrow \pi^+ \nu$  Nubar search (Phys. Rev. Lett. 76, 1421 (1996)).

I started on OPAL with LEP2 physics analysis, primarily on different new particle searches (heavy and excited lepton, SUSY, and Higgs searches), resulting in the publication of 8 OPAL papers as a primary author. I was also the OPAL searches working group convener from 1998-2001, and the overall OPAL physics coordinator in 2001. From 1998 to 2000, I was the primary readout

electronics DAQ expert at CERN for the OPAL "Zed chambers", and was an OPAL deputy run coordinator.

Since summer, 2002, my primary research interest has been the ATLAS experiment. Initially I worked primarily on ATLAS Liquid Argon (LAr) testbeam software and data analysis, both for the Hadronic Endcap, and then as overall LAr testbeam software coordinator. The focus of this activity was to migrate tools for the calibration and reconstruction of real detector data into the full ATLAS offline software framework, which we are now extending for detector commissioning and first physics analysis. I also coordinated the LAr detector control system project from 2002-2005, which included LAr high voltage, electronics low voltage, and temperature and purity monitoring. I am currently the overall ATLAS experiment offline commissioning coordinator, which involves both developing offline tools for detector commissioning and first data analysis, and also using first ATLAS calibration and commissioning data (cosmic ray, and beam halo muons plus beam gas events from single beam running) for computing system commissioning. I am a member of the ATLAS computing management board, commissioning steering group, and the ATLAS computing model steering group.

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Wendy Taylor

Wendy Taylor completed her undergraduate degree in Honours Physics Co-op at the University of British Columbia in 1991. She spent several summers and co-op terms working at TRIUMF, particularly on E787. She completed her Ph.D. at the University of Toronto on the CDF experiment in January 1999, having performed the first single measurement of all four b-quark fragmentation fractions. Wendy was also the chair of the CAP Committee to Encourage Women in Physics for two years during her graduate studies.

Wendy then pursued her post-doctoral research on the DZero experiment, affiliated with Stony Brook University. She was the leader of the track fitting algorithm development for the DZero Silicon Track Trigger (STT) upgrade project. Simultaneously, Wendy was the co-convenor of the B Mixing and Lifetimes physics group for two years and held the post of the Monte Carlo representative of the B physics group for 2 years. In addition to performing several studies for B hadron lifetime and proper time resolution measurements, she co-supervised two graduate students working on preliminary B<sub>s</sub> mixing analyses. Wendy was also elected to and served on the Fermilab User's Executive Committee for 2 years. As such, she was on the FNAL User's Meeting organizing committee and travelled to Washington, DC twice to request support for the US HEP program.

Wendy joined the Department of Physics and Astronomy at York University in September, 2004. She is an assistant professor and Canada Research Chair in Experimental Particle Physics (Tier II). Building on her post-doctoral experience, Wendy is continuing her involvement in the DZero collaboration. Currently, she is the leader of the simulation development for the Level 1 calorimeter trigger upgrade project. She is also working on the search for B<sub>s</sub> mixing. Wendy recently joined the ATLAS experiment and will ramp up on ATLAS over the next three years. She is looking forward to working on the new ATLAS event filter project.

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Andreas Warburton

I did my co-op undergraduate degree at the University of Victoria, with two terms at TRIUMF working on cyclotron diagnostics and tracking analysis, and a stint at CERN doing warm-liquid and liquid-krypton calorimeter R&D. My graduate studies were with Pekka Sinervo at the University of Toronto, where I obtained my PhD in 1998 on the CDF Run-I experiment for studies of tracking performance and measurements of B-meson decays to 1S and 2S charmonium states.

I took up an NSERC PDF at Cornell University to help construct the CLEO-III/c detector, for which I lead a project to design, build, and operate a farm-based detector cooling system. I worked on several CLEO physics analyses, including measurements of semileptonic B-meson decays and  $|V_{ub}|$ .

In 2003, I returned to Canada to start a McGill University group on the CDF-II experiment, where I'm working on studies of b-quark hadroproduction and I'm a leader of the simulation group with responsibility for the experiment's large-scale Monte Carlo production. I have recently joined ATLAS, and our new McGill group is gearing up to contribute to the High-Level Trigger effort.