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AwardNews



Canadian Association
of Physicists

SUPPORTING PHYSICS RESEARCH AND EDUCATION IN CANADA



October 18, 2023

2023 CAP Fellows Announced

The Canadian Association of Physicists is pleased to announce the recipients of the 2023 CAP Fellowships. We join members of our community in congratulating these distinguished scientists.

The CAP Fellows Program recognizes CAP members who have made significant contributions in physics research, in physics teaching, in the advancement of technology, or in service to the CAP. More information on the Fellows Program can be found on the [CAP website](#).



J. Richard Bond
CITA, University of Toronto

In recognition of his broad, stellar research contributions in the field of cosmology and astrophysics. Dr. Bond also has contributed extensively to the Canadian physics community through the role he has played in major Canadian and



Gordon W. F. Drake
University of Windsor

In recognition of his research contributions for his development of new measurement tools through the combined application of both high-precision theory and experiment to atoms. He was awarded the 1979 CAP Herzberg Medal

role he has played in major Canadian and international experimental and theoretical consortia, for example, the Planck satellite, the Atacama Cosmology Telescope, Director of CITA, Director of CIFAR cosmology and gravity program, etc. He has been awarded the 1998 CAP-CRM Prize in Theoretical and Mathematical Physics, the 2010 CAP Medal of Lifetime Achievement, the Killam Prize, and the NSERC Herzberg Gold Medal, among other prizes.

awarded the 1979 CAP Herzberg Medal, the 1994 CAP Medal for Lifetime Achievement in Physics, and the 2015 CAP Peter Kirby Medal. He is also recognized for his dedicated and legendary contributions in service to the Canadian physics community which are simply too numerous to mention. He was the President of the CAP in 2000-2001.



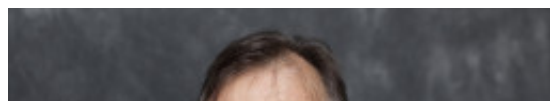
Giovanni Fanchini
Western University

In recognition of his internationally recognized research work in organic and carbon-based nanomaterials and scanning probe microscopy. His contributions to the Canadian physics community are also invaluable: he has been Chair of DCMMP, regional councillor for the CAP, and Chair of the NSERC RTI Selection Committee, among others. He has also contributed extensively to the professional practice of physics through the development of graphene-based materials and their applications in conjunction with the private sector. The committee also underscores his commitment and contribution to physics outreach, educational activities and the promotion of EDI-based principles in the discipline of physics.



Charles Gale
McGill University

In recognition of his research contributions to the field of high-density nuclear physics, specifically the behaviour of quark matter at high density and pressure as is obtained in heavy ion collisions. Dr. Gale was awarded the 2022 CAP Medal for Lifetime Achievement in Physics and he has also received both the 2015 CAP-CRM Prize for Theoretical and Mathematical Physics and the 2017 CAP-TRIUMF Vogt Medal. His contributions to the Canadian physics community are manifest and include being a founding member of the Canadian Institute of Nuclear Physics and serving on many board positions concerning nuclear theory in Canada and internationally.





Graeme Luke
McMaster University

In recognition of his for his outstanding research accomplishments in experimental condensed matter physics; being a world-renowned expert in muon spin rotation techniques. He was awarded several recognitions for his research work, including, significantly, the 2019 CAP Brockhouse Medal. Dr. Luke has also made important contributions to the Canadian physics community as Chair of DCMMP, as Chair of the Department of Physics and Astronomy at McMaster, and as Chair of the TRIUMF Users Committee, among several other positions.



Richard MacKenzie
Université de Montréal

In recognition of his his dedication and commitment to the Canadian physics community through his tireless contributions to the CAP: he was President of the CAP in 2016-2017; he was a regional councillor; he was on the Editorial Board of Physics in Canada and the Canadian Journal of Physics; he was Chair of the Division of Theoretical Physics; and he was a co-chair of the 2013 CAP Congress Local Organizing Committee, among other contributions. His contributions to research in theoretical physics are largely in soliton physics, important and applicable across many fields: particle physics, condensed matter physics, cosmology and quantum information theory.



Kenneth Ragan
McGill University

In recognition of his outstanding service to the Canadian physics community and for the invaluable contributions and commitment to physics education that he has portrayed. He was the President of the CAP in 2013-2014. He has served as a



Mark Sutton
McGill University

In recognition of his the research that he has undertaken in experimental condensed matter physics which merited his award of the 2001 CAP Brockhouse Medal and the 2017 CAP Medal for Lifetime Achievement in Physics. His

member of the NSERC grant selection committee for subatomic physics and he was the Chair of the Long-range planning committee for subatomic physics, among several other similar posts. He is an invaluable educator winning several recognitions including the 2020 CAP Medal for Excellence in Undergraduate Teaching.

research has been focused on using synchrotron radiation to analyze non-equilibrium materials. He has contributed to the Canadian physics community through his leadership from being Chair or member of various Canadian and International Committees concerning Synchrotron Light sources.



Michael Thewalt
Simon Fraser University

**Congratulations to
our 2023 Fellows!**

In recognition of his research contributions leading to his being awarded the 2004 CAP Medal for Lifetime Achievement in Physics and the 2004 Brockhouse Medal. The committee also notes his contributions to the Canadian physics community, being President of the CAP in 2001-2002, a member of the NSERC Women's Faculty Awards Selection Committee, and a member of the Editorial Board of the Canadian Journal of Physics, among others.

Nominations for 2024 Fellows

The CAP recognitions need to represent the diversity of the populations we serve. We acknowledge the continuing need to better address not only pathways into Physics but also the nomination and adjudication processes to achieve a diverse slate of nominees and recipients. The whole CAP community including members and leadership are responsible for helping us achieve these goals.

The official call for nominations will be issued before the end of 2023. Check the updated [Recognitions Program webpages](#) for more details, including the full list of recognitions being awarded in 2024.

Always Wanted: Communication Feedback

The CAP Communications Committee is committed to ongoing improvement. Please share your feedback on the CAP website and communications with us at any time. We value your opinion and look forward to hearing from you!



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The Canadian Association of Physicists (CAP) represents the Canadian physics community pursuing initiatives that enhance the vitality of physics and the contribution of physicists in Canada. The funding for many of our education/outreach activities comes from contributions to the CAP Foundation.
Please support the CAP Foundation through Canada Helps.

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