

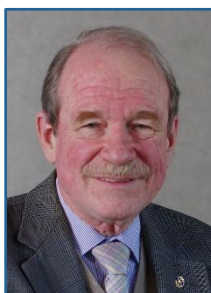
2023 CAP FELLOWS / LES FELLOWS DE L'ACP DE 2023

The CAP is very pleased to announce the 2023 CAP Fellows (FCAP). The CAP Fellowship Program recognizes CAP members who have made important contributions in physics research, in physics teaching, in the advancement of technology, or in service to physics in Canada.

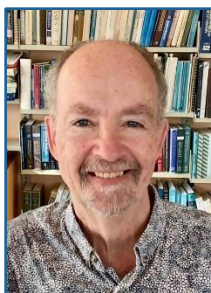
L'ACP est très heureuse d'annoncer les Fellows de l'ACP (FCAP) de 2023. Le programme de fellows de l'ACP reconnaît les membres de l'ACP qui ont apporté une contribution importante à la recherche en physique, à l'enseignement de la physique, à l'avancement de la technologie ou au service de la physique au Canada.



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



Gordon Drake, University of Windsor, in recognition of his development of new measurement tools through the combined application of both high-precision theory and experiment to atoms. He has been awarded the CAP Medal for Lifetime Achievement in Physics and the 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.



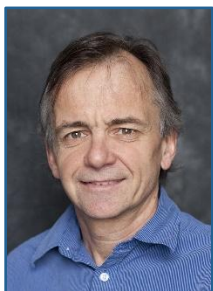
Charles Gale, McGill University, in recognition of his research contributions to the field of high-density nuclear physics, specifically the behaviour of quark matter at high density and pressure as is obtained in heavy ion collisions. Dr. Gale was awarded the 2022 CAP Medal for Lifetime Achievement 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.



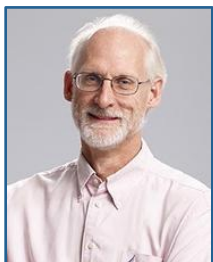
Giovanni Fanchini, Western University, in recognition of his internationally recognized work in organic and carbon-based nanomaterials and scanning probe microscopy. His contributions to the Canadian physics community are also invaluable; he has been the Chair of DCMMP, regional councillor for the CAP, 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.



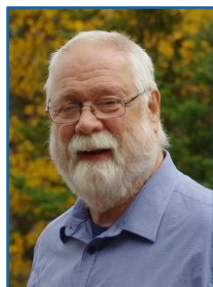
Graeme Luke, McMaster University, in recognition of his outstanding research accomplishments in experimental condensed matter physics; being a world-renowned expert in muon spin rotation techniques. He was awarded several recognitions for his research work including, significantly, the 2019 CAP Brockhouse 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 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 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.



Mark Sutton, McGill University, in recognition of 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 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, in recognition of his research contributions leading to his being awarded the 2004 CAP Medal for Lifetime Achievement in Physics and the 2004 CAP 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.