2020 CAP Medal Recipients / *Lauréats des médailles de l'ACP de 2020*

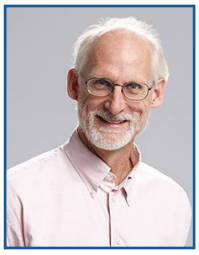
The CAP is very pleased to recognize its 2020 medal recipients. Please visit the website below for the list of medal recipients with a link to the detailed citations and any remarks submitted by the recipient following the receipt of the award.

https://www.cap.ca/programs/medals-and-awards/

L'ACP est très heureuse de reconnaître ses récipiendaires de médailles 2020. Veuillez consulter le site web ci-dessous pour obtenir la liste des récipiendaires de médailles, ainsi qu'un lien vers les citations détaillées et les remarques à la suite de la réception de la récompense.

https://www.cap.ca/fr/activites/medailles-bourses/

Medal for Excellence in Teaching Undergraduate Physics / *Médaille de l'ACP pour l'excellence en enseignement de la physique au premier cycle*



Kenneth Ragan
McGill University

For his overall accomplishments in teaching, and the promotion of quality teaching at his institution and within the CAP. He has taught many different courses spanning the range from large introductory courses for non-specialists to upper-level courses for final-year honours students and graduate students. His deep physics knowledge, along with his passion for physics and for his students, makes him a perfect candidate for the CAP Medal in Undergraduate Physics Teaching.

Pour ses réalisations globales en enseignement et pour la promotion d'un enseignement de qualité dans son établissement et au sein de l'ACP. Le professeur Ken Ragan a donné de nombreux cours différents allant de longs cours d'introduction pour non-spécialistes à d'autres de niveau supérieur destinés aux étudiants de dernière année et aux étudiants diplômés. Ses connaissances poussées en physique ainsi que sa passion pour cette discipline et pour ses étudiants font de lui un candidat idéal pour la médaille de l'ACP en enseignement de la physique au premier cycle.

CAP Medal for Lifetime Achievement in Physics / *Médaille de l'ACP pour contributions exceptionnelles à la physique*

Eric Hessels
York University

For his world leadership in advancing the state of the art for high precision atomic physics measurements, and their significance as tests of fundamental physics.

Pour son leadership mondial dans l'avancement des mesures de haute précision ultramodernes en physique atomique, et leur importance en tant que tests de la physique fondamentale.

CAP-TRIUMF Vogt Medal for Contributions to Subatomic Physics / *Médaille Vogt de l'ACP-TRIUMF pour contributions à la physique des particules subatomiques*

Gordon C. Ball
TRIUMF

For seminal contributions to low-energy tests of the Standard Model through ultra-high precision measurements of superallowed Fermi beta decays and for his leadership in the development of the ISAC science program at TRIUMF.

Pour ses apports fondamentaux aux tests à faible consommation d'énergie du modèle standard, grâce à des mesures de précision ultra-élevées de désintégrations béta Fermi suralignées, et pour son leadership dans l'élaboration du programme scientifique de l'ISAC à TRIUMF.

2020 CAP Medal

CAP Herzberg Medal / *Médaille Herzberg*

Ebrahim Karimi
University of Ottawa / Université d'Ottawa

For his innovative leadership in developing structured quantum waves for applications to quantum communication and computation, microscopy and materials science.

Pour son leadership novateur dans le développement d'ondes quantiques structurées pour des applications à la communication quantique, au calcul quantique, à la microscopie et à la science des matériaux.

Brockhouse Medal / *Médaille Brockhouse*

Alexandre Blais
Université de Sherbrooke

For his pioneering contributions to, and continued leadership in, the field of quantum information science. His theoretical research has greatly influenced the forefront experiments in this field.

Pour son travail précurseur et son leadership dans le domaine de la science de l'information quantique. Ses recherches théoriques ont grandement influencé les expériences de pointe dans ce domaine.

2020 HS Awards

High School / CEGEP Physics Teaching Awards / *Prix ACP en enseignement de la physique au secondaire et au collégial*

2020 Winners / *Récipiendaires 2020*

British Columbia and Yukon / *Colombie-Britannique et Yukon*

Joseph Muise
St. Thomas More Collegiate

Joe Muise has been teaching physics at St. Thomas More Collegiate since 2004 and in that time enrolment in Physics 12 has nearly doubled, with a significant increase in the number of female students. Joe strives to make physics interesting and accessible to his students through varied instruction and real-world examples. He manages to push his students to strive for excellence, while keep the classroom tone light and relaxed.

Joe seeks out professional development opportunities to improve his teaching and works to share these opportunities with others. He has attended LIGO's International Physics and Astronomy Workshop, CERN's International Teacher Weeks and The European Space Agency's Robotics & Automation workshop and presented those experiences to fellow teachers at conferences run by the BC Association of Physics Teachers, the NSTA, and the BC Science Teachers Association.

Joe also goes to great lengths to provide opportunities for his students to participate in applied physics activities outside of the classroom. He and a group of his students travelled to Bologna, Italy and became the first Canadians to compete in the European Space Agency's CanSat competition. He has led two student groups (with a third in currently in preparation) through the Students on the Beamlines program at the Canadian Light Source, where they conducted original research at Canada's national synchrotron. He has brought many groups to the UBC Physics Olympics, and the Kwantlen Science Challenge. His love of astronomy lead to the formation of a school astronomy club that regularly sees many students out on the school track looking at the night sky.

Earlier this year, Joe was recognized by the National Science Teaching Association as the recipient of the