# 2023 CAP MEDAL RECIPIENTS / LAURÉATS DES MÉDAILLES DE L'ACP DE 2023

The CAP is very pleased to recognize its 2023 medal recipients. Please visit the <u>CAP website</u> 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.

L'ACP est très heureuse de reconnaître ses récipiendaires de médailles 2023. Veuillez consulter <u>le site</u> <u>web de l'ACP</u> 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.



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

**Robert Myers, Perimeter Institute for Theoretical Physics**, in recognition of his groundbreaking research in quantum field theory and quantum gravity, and his central role in the founding of the Perimeter Institute.



#### CAP Herzberg Medal / Médaille Herzberg de l'ACP

**Joseph Maciejko, University of Alberta**, in recognition of his leadership role and groundbreaking research on topological phases of matter.



#### CAP-COMP Peter Kirkby Memorial Medal for Outstanding Service to Canadian Physics / La Médaille commémorative Peter Kirkby de l'ACP-OCPM pour services significatifs à la physique au Canada

**Laura Pankratz, Government of Alberta**, in recognition of her service to both the CAP and to Canadian society through her exemplary work in education and outreach.



## CAP-CRM Prize in Theoretical and Mathematical Physics / Le Prix ACP-CRM de physique théorique et mathématique

**Yanqin Wu, University of Toronto,** in recognition of her outstanding and impactful contributions to our understanding of the evolution of planets and planetary systems.



#### CAP-DCMMP Brockhouse Medal / Médaille Brockhouse de l'ACP-DPMCM

Hae-Young Kee, University of Toronto, in recognition of her theoretical work in a variety of strongly correlated electron systems, particularly those in which spin-orbit coupling is important. Her work has emphasized identifying appropriate model Hamiltonians that have led to new insights and predictions. Her work on  $\alpha$ -RuCl3 and novel phases arising from spin-orbit coupling in iridates has been particularly impactful.



### CAP-TRIUMF Vogt Medal for Contributions to Subatomic Physics /Médaille Vogt de l'ACP-TRIUMF pour contributions en physique subatomique

**Paul Garrett, University of Guelph**, in recognition of his recent demonstration that the collective excitations of nuclei in the cadmium region, previously understood to be text book examples of vibrations about a spherical shape, are better described as rotations of coexisting deformed shapes, and hence that spherical vibrational nuclei are either very rare or do not exist.



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

Jason Harlow, University of Toronto, in recognition of his influence on undergraduate education in his department and involvement in Physics Education Research. Prof. Harlow is known as an inspiring instructor who encourages students to think independently, critically, and analytically.



### CAP Medal for Outstanding Achievement in Industrial and Applied Physics / La Médaille de l'ACP pour des réalisations exceptionnelles en physique industrielle et appliquée

**Michel L. Trudeau, Hydro-Quebec**, in recognition of his innovative work in new materials development and detailed materials characterization which has resulted in advances in materials synthesis and analytical techniques. His creative and important contributions to industrial and applied physics will benefit the entire community, through the application of this knowledge to the development and understanding of industrial materials.