

CONGRATULATIONS / FÉLICITATIONS!

2024 STUDENT PRIZE WINNERS / GAGNANTS DES PRIX POUR LES ÉTUDIANT(E)S 2024

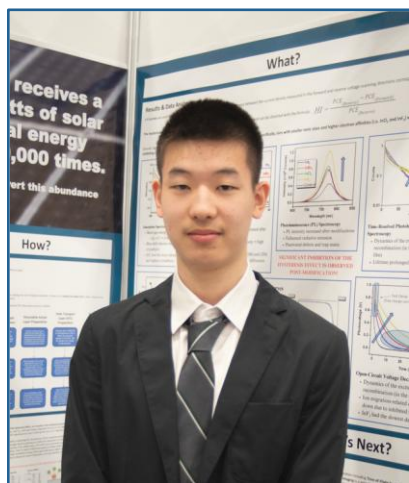
2024 CAP HIGH SCHOOL-CÉGEP PRIZE EXAM NATIONAL WINNERS / L'EXAMEN DU SECONDAIRE OU COLLÉGIAL DE L'ACP – GAGNANTS À L'ÉCHELLE NATIONALE 2024

First prize/Premier prix	Zander Li	Laurel Heights Secondary School, ON
Second prize/Deuxième prix	Tristan Yan-Klassen	Eric Hamber Secondary School, BC
Third prize/Troisième prix	Frank Zehao Liu	University Hill Secondary, BC

2024 CANADA-WIDE SCIENCE FAIR PRIZES / 2024 PRIX EXPO-SCIENCES PAN CANADIENNE

The 2024 Canada-Wide Science Fair was in Ottawa ON from May 26-31. This year the CAP sponsored one prize in the Senior category.

SENIOR CAP PHYSICS PRIZE – VICTOR XU, TORONTO, ON



Project: Hysteresis Inhibition for Performance Improvement via Halide Engineering in Perovskite Solar Cells

Abstract: Perovskite solar cells are novel semiconductors with impressive efficiency and potential. However, they face challenges of unstable power output and rapid degradation, leading to long-term stability issues that hinder their commercial viability. To solve this issue, I created a strategy that incorporates various chemical additives during the fabrication process of this device. My results not only indicate a significant improvement in stability post-modification, but also enhanced fundamental properties of the solar cell. This highlights my project's importance in advancing renewable energy for a sustainable future.