



Canadian Association  
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## The IDEAS Initiative

*Monday 6 June 2022 11:30 (15 minutes)*

The Innovation, Diversity, Exploration, and Advancement in STEM (IDEAS) Initiative has recently been launched at Queen's University. The IDEAS Initiative utilizes a multi-generational approach to diversity and outreach, aiming to coordinate historically under-represented individuals within STEM to foster an interest towards the natural sciences in Canadian youths. The IDEAS Initiative is a major EDII and outreach arm of both the Arthur B. McDonald Canadian Astroparticle Physics Research Institute and the Queen's University Department of Physics, Engineering Physics & Astronomy.

The IDEAS Initiative has run an extensive suite of outreach programmes following this methodology since 2019. Volunteer scientists lead experiments, projects, and confidence building activities both in-person and online to encourage development of self-identity and a sense of belonging to STEM in the participants. In parallel, the IDEAS Initiative provide opportunities for volunteers to participate in teaching and outreach training workshops as a cornerstone of a network-building objective, which is then utilized to maximize impact. Pedagogy, performance, and future prospects of the IDEAS Initiative will be discussed.

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**Session Classification:** M1-5 DPE I - Joint with DGEP (DPE/DGEP) | DEP I - conjointement avec DEGP (DEP/DEGP)

**Track Classification:** Technical Sessions / Sessions techniques: Physics Education / Enseignement de la physique (DPE-DEP)