

**\*\*\*\* SPECIAL AWARDS**

**BILL AND OLGA ROMAN AWARD                      SPECIAL**

**Sponsor:** The Roman Family

**Criteria:**

- "Best in fair" as judged by the exhibitors.
- Ce prix est attribué au "meilleur projet de l'Expo-sciences" d'après les participants et participantes.

**Presenter:** Nicki Perpik

**Winning Project:**

1401

ATLAST

Edward Xiong

Jordan Fergani

Lo-Ellen Park Secondary School

**BIOTECHNOLOGY AWARD                      SPECIAL**

**Sponsor:** Sudbury Regional Science Fair Committee

**Criteria:**

- The project which best demonstrates the application of knowledge of biological systems to solve a problem, create a product, or provide a service.
- Le projet qui démontre le mieux l'application des connaissances en matière de systèmes biologiques pour résoudre un problème, créer un produit ou offrir un service.

**Presenter:** Nicole Chiasson, Sudbury Regional Science Fair Committee

**Winning Project:**

2301

Neuropsychiatric Interconnected Wearable System using CBT

Nethra Wickramasinghe

Lockerby Composite School

**CHILD HEALTH RESEARCH AWARD                      SPECIAL**

**Sponsor:** ECHO Research Group - Laurentian University

**Criteria:**

- The best project that deals with children's health.
- Le meilleur projet traitant d'un sujet relié à la santé de l'enfant.

**Presenter:** Dr. Ken Westaway, Sudbury Regional Science Fair Committee

**Winning Project:**

1109

Just how clean is your school?

Jacob Sentic

Emilie Lefebvre

Carl A. Nesbitt Public School



**Winning Project:**

1110  
Mission Plastique  
Sarah Hogue  
Mackenzie Campeau  
Ecole Jean-Paul II

**DENNIS ROBERTS MEMORIAL AWARD                      SPECIAL**

**Sponsor:** Laurentian University Psychology Department

**Criteria:**

- The best project which studies human behaviour, animal behaviour, or thinking/feeling processes with emphasis on adherence to ethical principles.
- Ce projet devrait étudier le comportement humain, le comportement animal, le processus de réflexion/sentiments en mettant l'accent sur l'application des principes de l'éthique.

**Presenter:** Pauline Therrien , Sudbury Regional Science Fair Committee

**Winning Project:**

2104  
Mastiquer pour mémoriser  
Jordan Richard  
Gabrielle Vaillancourt  
College Notre Dame

**FOUNDING MEMBERS' AWARD                      SPECIAL**

**Sponsor:** Sudbury Regional Science Fair Committee

**Criteria:**

- The best project that exemplifies effort and perseverance. This award honours the contributions of such founding members as Don Davidson, Ed Higgins, and others.
- Le projet qui fait preuve de persévérance.

**Presenter:** Loretta Cuda, Sudbury Regional Science Fair Committee

**Winning Project:**

3401  
Improving Particle Classification in Dark Matter Experiments  
Brendon Matusch  
Lo-Ellen Park Secondary School

**JACK CEMING CHEMISTRY AWARD                      SPECIAL**

**Sponsor:** Jack and Maija Ceming, City View Gardens

**Criteria:**

- The project must demonstrate outstanding chemistry.
- Un projet exceptionnel en chimie.

**Presenter:** Dr Eric Gauthier, Chair of Chemistry and Biochemistry

**Winning Project:**

2101  
Weeding out the Secret to Antibiotic Resistance  
Kerry Yang  
Lo-Ellen Park Secondary School

**TED ROGERS INNOVATION AWARD      SPECIAL**

**Sponsor:** Rogers Communications Inc.

**Criteria:**

- An outstanding exhibitor or exhibitors with entrepreneurial spirit and a project that demonstrates commercial potential.
- Une exposante ou un exposant exceptionnel ou des exposants ayant la fibre entrepreneuriale et un projet présentant un potentiel commercial.

**Presenter:** Mr. Norm Blaseg, Director of Education, Rainbow Schools

**Winning Project:**

2301

Neuropsychiatric Interconnected Wearable System using CBT

Nethra Wickramasinghe

Lockerby Composite School

**LAURENTIAN UNIVERSITY BIOLOGY AWARD      SPECIAL**

**Sponsor:** Laurentian University Biology Department

**Criteria:**

- The TWO best projects that contribute to the field of biology.
- Les deux meilleurs projets qui contribuent au domaine de la biologie.

**Presenter:** Dr. Mazen Saleh, Chair Biology Department, Laurentian University

**Winning Project:**

2102

A New Approach to Reduce Bacterial Growth

Sofya Mishchenko

Marymount Academy

**Winning Project:**

2101

Weeding out the Secret to Antibiotic Resistance

Kerry Yang

Lo-Ellen Park Secondary School

**HARQUAIL SCHOOL OF EARTH SCIENCES AWARD      SPECIAL**

**Sponsor:** Laurentian University Harquail School of Earth Sciences

**Criteria:**

- The best project that contributes to the field of earth sciences.
- Le meilleur projet qui contribue au domaine des sciences de la terre.

**Presenter:** Dr. Douglas Tinkham, Director, Harquail School of Earth Sciences, Laurentian University

**Winning Project:**

2201

Peut-on recréer un dinosaure?

Vyanna Messier

Chloé Rodrigue

College Notre Dame

**LAURENTIAN UNIVERSITY CHEMISTRY/BIOCHEMISTRY AWARD      SPECIAL****Sponsor:** Laurentian University Chemistry Department**Criteria:**

- The best project that contributes to the field of chemistry or biochemistry.
- Le meilleur projet qui contribue au domaine de la chimie ou biochimie.

**Presenter:** Dr. Eric Gauthier, Chair Chemistry and Biochemistry, Laurentian University**Winning Project:**

3201

An analysis of Hydrogen; production and uses.

Aivan Apan

Ethan Hodge

St. Benedict Catholic Secondary School

**LAURENTIAN UNIVERSITY COMPUTER SCIENCE OR MATHEMATICS AWARD      SPECIAL****Sponsor:** Laurentian University Mathematics & Computer Science Department**Criteria:**

- The best project that contributes to the field of mathematics and computer science.
- Le meilleur projet qui contribue au domaine des mathématiques ou informatique.

**Presenter:** Dr. Patrice Sawyer, Department of Mathematics and Computer Science**Winning Project:**

3401

Improving Particle Classification in Dark Matter Experiments

Brendon Matusch

Lo-Ellen Park Secondary School

**BHARTI SCHOOL OF ENGINEERING AWARD      SPECIAL****Sponsor:** Bharti School of Engineering, Laurentian University**Criteria:**

- The two best projects that contribute to the field of engineering.
- Les deux meilleurs projets qui contribue au domaine de l'ingénierie.

**Presenter:** Dr Osman Abou-Rabia, Dean of Science, Engineering and Architecture**Winning Project:**

3401

Improving Particle Classification in Dark Matter Experiments

Brendon Matusch

Lo-Ellen Park Secondary School

**Winning Project:**

1401

ATLAST

Edward Xiong

Jordan Fergani

Lo-Ellen Park Secondary School

**LAURENTIAN UNIVERSITY PHYSICS AWARD                      SPECIAL**

**Sponsor:** Laurentian University Physics Department

**Criteria:**

- The best project that contributes to the field of physics and biomedical physics.
- Le meilleur projet qui contribue au domaine de la physique.

**Presenter:** Dr. Jacques Farine, Dept. of Physics

**Winning Project:**

3401

Improving Particle Classification in Dark Matter Experiments

Brendon Matusch

Lo-Ellen Park Secondary School

**LAURENTIAN UNIVERSITY FORENSIC SCIENCES AWARD                      SPECIAL**

**Sponsor:** Laurentian University Forensic Science Department

**Criteria:**

- The best project that contributes to the field of forensic science.
- Le meilleur projet qui contribue au domaine des sciences médico-légales.

**Presenter:** Michèle Bobyn, Master Lecturer, Dept. of Forensic Science

**Winning Project:**

1113

Funky Fingerprints

Myra Mead

Maria Iotzov

St. James Elementary School

**MCEWEN SCHOOL OF ARCHITECTURE AWARD                      SPECIAL**

**Sponsor:** McEwen School of Architecture, Laurentian University

**Criteria:**

- The TWO projects that best demonstrate creativity and originality.
- Les deux meilleurs projets qui démontrent la créativité et l'originalité.

**Presenter:** Dr. Abou-Rabia, Dean of the Faculty of Science, Engineering and Architecture, Laurentian University

**Winning Project:**

1201

It's Hip To Be Square: Shaping A Solution To Waste Reduction

Adam Selalmatzidis

Northeastern Public School

**Winning Project:**

1306

Twisted Peanut Butter

Tyson Violette-Cecile

Owen Moggy

St. Anne Elementary School

**LAURENTIAN UNIVERSITY SCHOOL OF THE ENVIRONMENT AWARD** **SPECIAL****Sponsor:** Laurentian University School of the Environment**Criteria:**

- The TWO best projects that contribute to the fields of environmental science, environmental studies, and/or archeology.
- Les deux meilleurs projets qui contribuent au domaine de la science de l'environnement, aux études environnementales, et/ou à l'archéologie.

**Presenter:** Dr. Charles Ramcharan, School of the Environment**Winning Project:**

1112

Cress Clickbait

Brianna Smith

Mia Reich

Sudbury Christian Academy

**Winning Project:**

1201

It's Hip To Be Square: Shaping A Solution To Waste Reduction

Adam Selalmatzidis

Northeastern Public School

**MILMAN INDUSTRIES EQUIPMENT INNOVATION AWARD** **SPECIAL****Sponsor:** Milman Industries Inc.**Criteria:**

- The project that best demonstrates the importance or need for environmental consciousness as it relates to mining or other fields.
- Le meilleur projet qui prend en considération l'importance et les besoins de l'environnement relié à l'exploitation des ressources minières ou autre domaine.

**Presenter:** Pauline Therrien, Sudbury Regional Science Fair Committee**Winning Project:**

1303

A Timed On-Demand Wireless Heated Washer Fluid System

Trevor Meek

Carl A. Nesbitt Public School

**MINING INNOVATION, REHABILITATION AND APPLIED RESEARCH CORPORATION (MIRARCO)**  
**MINING AWARD** **SPECIAL****Sponsor:** Mining Innovation, Rehabilitation and Applied Research Corporation (MIRARCO)**Criteria:**

- Best project related to risk assessment or mitigation in mining.
- Le meilleur projet traitant de l'analyse ou l'atténuation de risque dans le domaine minier.

**Presenter:** Vic Pakalnis, President and CEO, MIRARCO Mining Innovation**Winning Project:**

1212

Lube G vs Lube R

Callum Baron

Alexander Public School

**\*\*\*Note:** The next 5 awards are sponsored by Ontario Power Generation. Winning participants are asked to remain on stage until all 5 OPG awards have been presented. Note: Les 5 prix suivants sont commandités par Ontario Power Generation. Les gagnants sont invités à demeuré sur l'estrade jusqu'à ce que les 5 prix OPG aient été présentés.

**ONTARIO POWER GENERATION ENVIRONMENTAL AWARD** **SPECIAL**

**Criteria:**

- The project that best address issues of environmental responsibility, and/or sustainable development.
- Le meilleur projet qui répond le mieux aux questions de responsabilité environnementale, et/ou au développement durable.

**Presenter:** Kate Cantin, Stakeholder Relations Advisor, OPG

**Winning Project:**

1201

It's Hip To Be Square: Shaping A Solution To Waste Reduction

Adam Selalmatzidis

Northeastern Public School

**ONTARIO POWER GENERATION ENGINEERING AWARD** **SPECIAL**

**Criteria:**

- The project that best contributes to the fields of chemical, electrical, mechanical, nuclear, or civil engineering.
- Le projet qui contribuent le mieux au domaine chimique, électrique, mécanique, nucléaire, ou au génie civil.

**Presenter:** Kate Cantin

**Winning Project:**

1212

Lube G vs Lube R

Callum Baron

Alexander Public School

**ONTARIO POWER GENERATION INNOVATION AWARD** **SPECIAL**

**Criteria:**

- The project that best demonstrates innovation by contributing to a new idea, method or device.
- Le projet qui démontre le mieux l'innovation en contribuant à une nouvelle idée, méthode, ou appareil.

**Presenter:** Kate Cantin

**Winning Project:**

1110

Mission Plastique

Sarah Hogue

Mackenzie Campeau

Ecole Jean-Paul II



**ONTARIO POWER GENERATION ENERGY AWARD                      SPECIAL**

**Criteria:**

- The two projects that best deals with power production, energy, and/or energy efficiency.
- Les deux meilleurs projets qui traitent de la production d'énergie, et/ou l'efficacité énergétique.

**Presenter:** Kate Cantin

**Winning Project:**

1307

LED Or Incandescent

Vanessa Prieur

St. Charles College

**Winning Project:**

1308

Magnétisme Magnifique

Rebekah Kruk

Marymount Academy

**MODERN MINING AND TECHNOLOGY SUDBURY AWARD                      SPECIAL**

**Sponsor:** Modern Mining and Technology Sudbury

**Criteria:**

- The best overall project that deals with some aspect of mining.
- Le meilleur projet traitant d'un thème minier.

**Presenter:** Christine Legrand, MMTS Committee Member

**Winning Project:**

1212

Lube G vs Lube R

Callum Baron

Alexander Public School

**UNIVERSITY OF OTTAWA ADMISSION SCHOLARSHIP                      SPECIAL**

**Sponsor:** University of Ottawa

**Criteria:**

- The top self-nominated senior project.
- Le projet du niveau supérieur auto-désigné le plus méritant.

**Presenter:** Michael Bellmore, Chair of the Board of Trustees, Sudbury Catholic Schools

**Prize Type:** Admission Scholarship

**Winning Project:**

3201

An analysis of Hydrogen; production and uses.

Aivan Apan

Ethan Hodge

St. Benedict Catholic Secondary School

## **GRAND PRIZES**

### **CANADA WIDE SCIENCE FAIR PARTICIPANT (PARTICIPANT(E) À L'EXPO-SCIENCES PAN-CANADIENNE)** **GRAND**

#### **Sponsors:**

Canadian Institute of Mining, Metallurgy and Petroleum (Sudbury Chapter)  
CCM Group of Companies  
Laurentian University  
Natural Sciences and Engineering Research Council of Canada  
Rainbow District School Board  
Sudbury Catholic Schools  
Vale Canada Ltd.

#### **Criteria:**

- Best projects in the fair.
- Les meilleurs projets de la foire.

**Prize Type:** Trip to Canada Wide Science Fair in Ottawa, May 12th to 19th.

**NOTE: We ask all of the winners to remain on stage. On demande a tous ces gagnants de demeurer sur l'estrade.**

**Presenter:** Ryan Land, Manager, Corporate and Indigenous Affairs, Manitoba and Ontario Operations, Vale North Atlantic Base Metals

#### **Winning Project:**

1201  
It's Hip To Be Square: Shaping A Solution To Waste Reduction  
Adam Selalmatzidis  
Northeastern Public School

**Presenter:** Norm Blaseg, Director of Education, Rainbow District School Board

#### **Winning Project:**

1303  
A Timed On-Demand Wireless Heated Washer Fluid System  
Trevor Meek  
Carl A. Nesbitt Public School

**Presenter:** Peter Matusch, President of CCM Group of Companies

#### **Winning Project:**

1401  
ATLAST  
Edward Xiong  
Jordan Fergani  
Lo-Ellen Park Secondary School

**Presenter:** Sue Tessier, Donations Co-Chair, CIM

#### **Winning Project:**

2101  
Weeding out the Secret to Antibiotic Resistance  
Kerry Yang  
Lo-Ellen Park Secondary School

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**Presenter:** Nicole Chiasson, Sudbury Regional Science Fair Committee

**Winning Project:**

2301

Neuropsychiatric Interconnected Wearable System using CBT

Nethra Wickramasinghe

Lockerby Composite School

**Presenter:** Dr. Abou-Rabia, Dean Faculty of Science, Engineering and Architecture, Laurentian University

**Winning Project:**

3401

Improving Particle Classification in Dark Matter Experiments

Brendon Matusch

Lo-Ellen Park Secondary School

**LAURENTIAN UNIVERSITY SCHOLARSHIP AWARD**                      **SPECIAL**

**Sponsor:** Laurentian University

**Criteria:**

- The best overall project in the fair.
- Le meilleur projet de la foire.

**Presenter:** Dr. Abou-Rabia, Dean Faculty of Science, Engineering and Architecture, Laurentian University

**Prize Type:** \$1000 scholarship to Laurentian University/Bourse d'étude d'une valeur de \$1000

**Winning Project:**

3401

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Brendon Matusch

Lo-Ellen Park Secondary School