

2016 Innovation Nation Conference & Robotics Competition

Date: Sunday, May 29, 2016

Location: Grand Central Ballroom – LIUNA Station, Hamilton ON

7:00 am **Set up - Robotic Teams** – Continental Ballroom & Main Lobby
Sponsors/exhibitors - Grand Central Ballroom

7:30 am **Registration Open – Main Lobby**

8:30 am **Dr. Mehran Anvari, Scientific Director, CSii - Opening Remarks**

Keynote Speakers

8:35 am **Tony Thoma**, Dean of Engineering, Mohawk College

Title: *"Additive Manufacturing (3D printing) advances in Health Care."*

9:00 am **Daniel McInnis**, Mechanical Engineering Student, University of Toronto
Schulich Leaders Scholar & Youth Entrepreneur

Title: *"Knowing Less Means Knowing More: A Story of Youth Entrepreneurship & Innovation"*

9:25 am **Carolyn McGregor**, Canadian Research Chair in Health Informatics
University of Ontario Institute of Technology (UOIT)

Title: *"Disruptive innovation for new approaches to personalized medicine using Big Data from Babies to First Responders and Astronauts"*

9:50 am **Chris Robson**, Mechanical Lead, Experimental Albertain1, Cube Satellite

Title: *"Reaching for Space: AlbertaSat and the Ex-Alta 1 Satellite"*

10:15 am **Richard McDonald**, Distinguished Engineer IBM

Title: *"Dr. Watson will see you now!"*

10:45 am – 11:00 am Refreshment Break – Grand Central Ballroom

11:00 am **Ruslan Salakhutdinov**, Canadian Research Chair in Statistical Machine Learning, Goggle Scholar, Assistant Professor, University of Toronto

Title: *"Recent Advances in Deep Learning"*

11:30 am **Cameron Piron**, President & Co-Founder, Synaptive Medical

Title: *"Innovations in point of care imaging and intervention"*

11:55 pm **Sylvain Laporte**, President, Canadian Space Agency

Title: *"Bringing Space Down to Earth"*

12:20 pm **Kirt Costello**, NASA International Space Station, Deputy Chief Scientist

Title: *"Engines for Innovation on the Exploration Frontier: Bringing the Promises of Science in Space Down to Earth"*

12:45 pm **Catherine Coleman**, American Astronaut

Title: *"A World Apart: Working and Thriving on the ISS and the Lessons We Bring Back to Earth"*

1:10 pm - 2:00 pm Lunch – Grand Central Ballroom

Innovation Nation Robotics Competition

University Level:

2:00 pm **McMaster University - Hamilton ON**
Team Name: X-Drive
Robot Function: Manual to Power Wheel Chair Conversion Kit

2:15 pm **École Polytechnique de Montréal - Mont-Saint-Hilaire, Quebec**
Team Name: PolyProject
Robot Function: Robotic hand

High Schools:

2:30pm **John Polanyi Collegiate, Toronto, ON**
Team Name: KaST Robotics
Robot Function: Cost efficient, open source 3D printing with dual extrusion

2:45 pm **Bayview Secondary School - Richmond Hill, ON**
Team Name: Bayview Robotics
Robot Function: Leaf Collector

3:00 pm **John Polanyi Collegiate Institute, Toronto, Ontario**
Team Name: Solis Auxilium
Robot Function: A device that automatically flips the car visor to block the sun, so you do not get distracted

3:15 pm **Hillfield Strathallan College, Hamilton, ON**
Team Name: Hillfield Strathallan College
Robot Function: Vex Robotics Competition - Shoots balls

3:30 pm **Glendale Secondary School – Hamilton, ON**
Team Name: Brain Computer Interface Evolutionary New Prosthetics
Robot Function: Reads neurons patterns and determines the thought of the user

3:45 pm **Awards Presented by Judges**
