



2016 Innovation Nation Conference & Robotics Competition

Sunday, May 29, 2016 | LIUNA Station, Hamilton ON

7:30 am **Registration – Main Lobby**

Keynote Speakers – Grand Central Ballroom

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

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 **Refreshment Break – Grand Central Ballroom**

11:00 am **Ruslan Salakhutdinov**, Canadian Research Chair in Statistical Machine Learning, Google
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 **Lunch – Grand Central Ballroom**



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Innovation Nation Robotics Competition – Continental Ballroom

- 2:00 pm** **McMaster University - Hamilton ON**
Team Name: X-Drive
Robot Function: **Manual to Power Wheel Chair Conversion Kit**
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- 2:30pm** **John Polanyi Collegiate, Toronto, ON**
Team Name: KaST Robotics
Robot Function: **Cost efficient, open source 3D printing with dual extrusion**
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- 2:45 pm** **Bayview Secondary School - Richmond Hill, ON**
Team Name: Bayview Robotics
Robot Function: **Leaf Collector**
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- 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**
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- 3:15 pm** **Hillfield Strathallan College, Hamilton, ON**
Team Name: Hillfield Strathallan College
Robot Function: **Vex Robotics Competition - Shoots balls**
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- 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**
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- 3:45 pm** **Awards Presentation**