



## 2019 Innovation Nation Conference & Student Showcase Sunday, January 20, 2019 | LIUNA Station, Hamilton ON

**7:30 am Registration – Main Lobby**

**Speakers – Grand Central Ballroom**

**8:25 am Dr. Mehran Anvari**, Scientific Director, CSii  
*"Opening Remarks"*

**8:30 am Mini Thomas**, Professor of Electrical and Computer Engineering Department, Mohawk College  
Title: *"Automated Real Time Seizure Detection using Wearable Body Sensor Network"*

**9:00 am Sri Krishnan**, Associate Dean, Research and External Partnerships  
Ryerson University  
Title: *"Connecting Healthcare"*

**9:30 am 3D Printer**, Swaleh Owais, McMaster Engineering  
**YuMi Assembly Station**, Justin Grimm, Amy Hasselman, Simran Nijjar,  
Samony Riyaz, McMaster Engineering  
**Smart Wheelchair for the Physically Challenged**, Hamza Mahdi, Abdalrahman Alfakir,  
Nadim Hafez, Ryerson University

**9:40 am Emma Mogus**, Inventor, Philanthropist, Student  
Title *"No Bounds"*

**10:10 am Allan F. Miranda**, Head of JLABS, Canada  
Title: *"The Digital Age: Getting Digital Health Start-ups to Commercialization"*

**10:40 am Refreshment Break – Grand Central Ballroom**

**11:05 am Portable Electric Wheel Chair Drive**, Milan Izzo, Vito Naso, Jon Breton, McMaster  
University  
**Inverted Pendulum**, Matt Stewart, Ben Harvey, McMaster University  
**AI for Facial Recognition**, Anoop Gadhri, McMaster Engineering

**11:20 am Isabelle Tremblay**, Director, Astronauts, Life Science and Medicine, Canadian Space  
Agency  
Title: *"Conquering the challenges of human space exploration".*

**11:50 am Liz Warren**, NASA International Space Station, National Lab  
Title: *"Exploring New Frontiers: Science on the International Space Station"*



## Innovation Nation Conference & Student Innovation Showcase

**12:20 am** **Ryerson Rams Robotics Mars Rover**, Hamza Mahdi, Ryerson University

**Eco-Pen**, Rucha Kolte, Ali Awais Amin, McMaster University

**Smart Cast**, Christopher Lamont, St Margaret Mary School

**Home Lighting Automation**, Nile Ellis, McMaster University

**12:30 pm** Lunch – Grand Central Ballroom & Main Lobby -

*Student Showcase Main Lobby – Participants Tour Showcase – Cast Votes*

**1:00 pm** **Kate Todd**, Actress, Singer, Songwriter

Title: ***"Footprints on the Moon"***

**1:30 pm** **Christopher S. Langley, Ph.D., P.Eng.**, Senior Engineer, Guidance, Navigation, and Control Robotics and Automation, MDA

Title: ***"The Most Interesting Arm in Space"***

**2:00pm** **Dr. Michael Plaza, Director, The Frost Study**

Title: ***"Cryoablation: Innovation in the Treatment of Breast Cancer"***

**2:30** **Dr. Natalia K. Nikolova**, Professor, Canada Research Chair in High-frequency Electromagnetics, McMaster University

Title: ***"Smart" Radar for Stand-off Security Screening in the Making at Mac***

**3:00 pm** **Ross Lockwood, Scientist**, Ph.D., Condensed Matter Physics, University of Alberta

Title: ***"Mind Over Mars"***

**3:30 pm** **Artash Nath & Arushi Nath**, Co-Founders, HotPopRobot

Title: ***"How NextGen can hack their way to Space Exploration, Science and Innovation"***

**4:00 pm** **Dr. Mehran Anvari, Scientific Director (CSii)**

***Showcase Presentation***

***Closing Remarks***