



# 2023 Innovation Nation Conference & Student Innovation Showcase

**Sunday, November 5<sup>th</sup> – LiUNA Station, Hamilton, ON  
Grand Central Ballroom**

<b>7:30 am</b>	<b>Registration Opens – Main Lobby</b>
<b>8:30 am</b>	<b>Dr. Mehran Anvari</b> , Scientific Director, CSii <i>Opening Remarks, Introduction of the Student Innovation Showcase Exhibits and Overview of Entries on Display in the Lobby</i>
<b>9:00 am</b>	<b>Dr. John Preston</b> , Associate Dean, Research, Innovation & External Relations; Professor, Department of Engineering, McMaster University <i>"What Does Society Expect from a Research-Intensive University?"</i>
<b>9:30 am</b>	<b>Dr. Matthew Miller</b> , Scientific Director, Michael G. DeGroot Institute for Infectious Disease Research (IIDR); Canada Research Chair in Viral Pandemics; Associate Professor, Biochemistry and Biomedical Sciences, McMaster University <i>"Next-Generation Approaches to More Effective Pandemic Preparedness"</i>
<b>10:00 am</b>	<b>Dr. Mehran Anvari</b> <b>Student Showcase</b> - Reminder to tour the Innovation Showcase in the lobby outside of the ballroom – <b>Voting will close after luncheon break</b>
<b>10:15 am</b>	<b>Refreshment Break</b>
<b>10:30 am</b>	<b>James Brodie</b> , General Manager, Johnson & Johnson MedTech Canada <i>"Surgery 4.0 - A Digitally Connected Future"</i>
<b>11:00 am</b>	<b>Dr. Eileen Stansbery</b> , Chief Scientist, Johnson Space Centre, Division Chief of Astromaterials Research and Exploration Science (ARES), Division at the Johnson Space Centre (JSC), NASA <i>"The Artemis Mission"</i>
<b>11:30 am</b>	<b>Dr. Liz Warren</b> , Director of Research Development, Orbital Reef, BLUE ORIGIN <i>"Orbital Reef: Next Generation Space Station Designed to Enable Science in Space to Benefit Health on Earth"</i>
<b>12:00 noon</b>	<b>Frank Teti</b> , General Manager, Canadensys Aerospace Corporation <i>"The Commercial Lunar Ecosystem"</i>
<b>12:30 pm</b>	<b>Luncheon Break</b> <b>Visit Student Showcase – Final Vote</b>
<b>1:15 pm</b>	<b>Paul Grouchy</b> , Director of Artificial Intelligence, MDA <i>"AI in Deep Space: Challenges and Opportunities"</i>
<b>1:45 pm</b>	<b>Dr. Graham Taylor</b> , Professor and Canada Research Chair in Machine Learning, School of Engineering, University of Guelph, Research Director and Canada CIFAR AI Chair Vector Institute for Artificial Intelligence, Academic Director, NextAI <i>"Decoding the Living Library: AI's Role in Cataloging Biodiversity"</i>
<b>2:15 pm</b>	<b>Jacob Moon</b> , Singer, Musician, Songwriter <i>Performance</i>
<b>2:45 pm</b>	<b>Dr. April Khademi</b> , Associate Professor, Biomedical Engineering PI Image Analysis in Medicine Lab (IAMLAB) Toronto Metropolitan University <i>"Leveraging AI for Medical Imaging"</i>
<b>3:15 pm</b>	<b>Dr. Andrew Macdonald</b> , AI Specialist, Mission Control <i>"Small Steps, Giant Leaps: Canadian Innovation in AI Space Technology"</i>
<b>3:45 pm</b>	<b>Joseph Mancinelli</b> , International Vice President, Canadian Director and Central and Eastern Canada Regional Manager of the Labourers' International Union of North America (LiUNA) <i>"Labour and the Economy"</i>
<b>4:15 pm</b>	<b>Andrew Newton</b> , Research Engineer, Dept. Mechanical Engineering, McMaster University <b>Alexandre (Alex) McCafferty-Leroux</b> , PhD Student, Dept. Mechanical Engineering, McMaster University <i>"A High-Altitude Aircraft Mounted Robotic Telescope for Lunar Observations"</i>
<b>4:45 pm</b>	<b>Dr. Mehran Anvari</b> <i>Showcase presentation trophies and Closing remarks</i>