



# Advanced Transportation Manufacturing Summit Toronto



## Industry 4.0: A Roadmap to Adoption

4 February 2020

08 :00-09 :00 *Registration & Morning Coffee*

### Conference Commencement & Introduction

09 :00-09 :05 **Chair's Welcome and Summit Commencement**  
*Rahul Gangal, Partner, Roland Berger*

09 :05-09 :25 **Changing Perspectives: Key Industry Developments in Ontario's Manufacturing Sector**  
*MPP Donna Skelly, Parliamentary Assistant to the Minister of Economic Development, Job Creation and Trade*

09 :25-09 :40 **Why Toronto? Investment and Support for Industry Sector Development**  
*Toby Lennox, CEO, Toronto Global*

09 :40-09 :55 **City of Mississauga: Business Opportunities Driving Industry Development**  
*Mayor Bonnie Crombie, City of Mississauga*

### Advanced Technology Adoption: Defining Requirements

09 :55-10 :10 **Critical Components of an OEM-Supplier Relationship**  
*Paul Thompson, Director of Digital Operations, Turbine Airfoils Products, GE Aviation*

10 :10-10 :30 **Operationalizing Industry 4.0**  
*Ashek Mahmood, Head of IoT & Edge AI and Industry 4.0 IBM Garage, IBM*

10 :30-11 :00 *Morning Break*

11 :00-11 :40 **Panel Discussion: How is the Rate of Technological Change in Transportation Manufacturing Impacting Demands on Suppliers?**  
- Understanding the impact of technological transformation across the entire supply chain  
- Which key technologies are impacting the supply chain most profoundly?  
- How is technology affecting procurement?  
Panel Moderator:  
*Rahul Gangal, Partner, Roland Berger*  
Panelists:  
*Roger Thomas, Senior Director – Manufacturing Growth and Strategy Leader, Oracle Consulting*  
*Matt Lowe, CEO and Co-Founder, ZeroKey*



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*Michael Gardiner, Manufacturing Industry Solution Executive, Microsoft*  
*Alex Tsoulis, Senior Manager - Product Definition, MHI Canada*

**11 :40-12 :00**

## **The StartAéro 360° Program of Aéro Montréal**

*Keith Meredith, Aerospace and Aviation Consultant, Aeroinsight*

**12 :00-12 :20**

## **Workforce Development as a Strategic Growth Factor**

*Walter Garrison, Advanced Manufacturing Business Integrator, City of Mississauga*

**12 :20-12 :40**

## **Succeeding and Growing Together - Design / Build / Supply Chain / Academia**

*Alex Tsoulis, Senior Manager - Product Definition, MHI Canada*

**12 :40-14 :00**

## ***Lunch Break***

### **Industry 4.0: Strategies, Methods and Guidelines for the Supply Chain**

**14 :00-14 :20**

## **Navigating the Shift to Advanced Manufacturing**

*John Laughlin, CTO, NGen*

**14 :20-15 :00**

## **Panel Discussion: Beyond the Hype: How are Enterprises Successfully Transitioning to Digitization of their Processes?**

- Best practice sharing from companies at various stages of digitalization/ Industry 4.0 adoption
- Which technologies will be the real game-changer in the automotive supply chain?
- Utilizing Big Data and analytics to competitive advantage
- How can companies leverage IoT technologies to increase efficiencies and reduce costs?

Panel moderator:

*Tae Oh, Senior Manager, Industry X.0, Accenture Digital*

Panelists:

*Karima-Catherine Goundiam, CEO, Red Dot Digital*

*Michael Gardiner, Manufacturing Industry Solution Executive, Microsoft*

*Peter Adams, President & CEO, Burloak Technologies*

*Shalabh Bakshi, Director, Digital Enterprise - Digital Industries, Siemens Canada*

*Ashek Mahmood, Head of IoT & Edge AI and Industry 4.0 IBM Garage, IBM*

**15 :00-15 :20**

## **The Crucial Role of LiDAR Technology in Present and Future Advanced Transportation**

*Alex Ouellet-Belanger, Director System Architecture, LeddarTech*

**15 :20-15 :40**

## ***Afternoon Break***



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**15 :40-16 :20**

## **Panel Discussion: Understanding and Mitigating the Risks of Cybersecurity in the Manufacturing Supply Chain**

- Understanding the risks and threats that arise in a converged virtual and physical environment
- Identifying and implementing the building blocks of IIoT security
- Involving personnel to ensure security is maintained

Panel Moderator:

*AJ Khan, Founder & CEO, CloudGRC*

Panelists:

*Garrett Austin, Business Development Lead: Connected Services, Security and solutions, Rockwell Automation*

*Wendy Young, Director Operations for Technology, Data and Cyber Security, NGen*

*Catherine Bertheau, Cyber Solutions Business Development Lead Eastern Canada, AON*

**16 :20-16 :40**

## **Cybersecurity for Increasingly Complex Manufacturing Environments**

*AJ Khan, Founder & CEO, CloudGRC*

**16 :40-17 :20**

## **Panel Discussion: How Can Industry Prepare and Recruit the Talent of the Future?**

- Why is industry-academic partnership the key to success ?
- Adjusting mindsets to attract skilled labour
- How to improve diversity in the manufacturing sector
- Contemporary training models to keep pace with evolving industry requirements
- Best practice sharing for ongoing talent development

Panel moderator:

*Walter Garrison, Advanced Manufacturing Business Integrator, City of Mississauga*

Panelists:

*David Ali, Manager, Engineering Quality and ACE, Pratt & Whitney Canada*

*Harold Godwin, Managing Director, Advanced Manufacturing Consortium, University of Waterloo*

*Andrew Petrou, Executive Director, Downsview Aerospace Innovation & Research (DAIR)*

*Michael Jobity, Former Process Improvement & Digital Lead, Airbus, and Engineering Physics & Management V, McMaster University*

**17 :20-17 :30**

## **Chairman's Closing Remarks and Conference Close**

*Rahul Gangal, Partner, Roland Berger*

**17 :30-17 :35**

## **Cocktail Opening**

*Paul Boucher, Partner – Government Incentives, and Dan Hlavacek, Partner – Audit & Assurance, BDO Canada*