



# UNIVERSITY OF TORONTO

## FACULTY OF APPLIED SCIENCE & ENGINEERING

### Success Stories from PhD Engineers and Scientists: Conversations about Careers and Lessons from the Workplace

Monday, October 1, 2018

6:10 – 8:00 pm

10 Kings College Rd, M5S 3G4, Sanford Fleming Building, SF1101

#### PANELISTS:

**Tereza Dan** | Senior Principal and Managing Leader, Stantec

**Poorya Ferdowsi** | Data Scientist, Bristol Gate Partners

**Inmar Givoni** | Senior Autonomy Engineering Manager, Uber

**Emily Moore** | Managing Director Innovation, Hatch

**Anthony Soung Yee** | Product Design, Interaptix

Moderator: **Doug Reeve** | Professor and Senior Advisor, Troost Institute for Leadership Education in Engineering

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#### Tereza Dan, Senior Principal and Managing Leader, Stantec



Tereza Dan is a Senior Principal and the Managing Leader for Environmental Services in SW Ontario, GTA and Ontario NE at Stantec. Tereza is also a senior ecological risk assessor and has extensive expertise in the field of environmental toxicology with an emphasis on ecological risk assessment, phytoremediation and biomonitoring. She has been an invited speaker at several conferences, undergraduate and graduate courses, and is currently an Adjunct Professor at the School of Environmental Sciences, University of Guelph. In her spare time, she enjoys travelling with her kids (two teenagers) and husband (4 continents, 18 countries) and skiing/après skiing with friends. She has an undergraduate in Horticultural Engineering from Timisoara, Romania and a PhD from the University of Guelph.

#### Poorya Ferdowsi, Data Scientist, Bristol Gate Partners



Poorya is a Data Scientist at Bristol Gate Capital Partners, where he works to develop stock selection and portfolio management tools using Machine Learning and Artificial Intelligence. After spending more than a decade working with data across various industries, he knows how to derive actionable insight from data by using mathematical modelling and optimization tools. Prior to joining Bristol Gate, Poorya worked at multiple engineering consulting firms on mining, energy and oil and gas projects across the globe. In 2016, he switched from Engineering to Finance where he believes data and AI will reshape the industry. Poorya holds a PhD in Mechanical and Industrial Engineering from University of Toronto and Master of Management of Analytics from Queen's University.

#### Emily Moore, Managing Director Innovation, Hatch



Emily Moore is working at Hatch as the Managing Director, Innovation until September 30, 2018, overseeing the product development portfolio for the company, leading a team to identify and develop new engineering solutions that solve pressing client needs. Before taking on this role, Emily was the Managing Director, Water, leading the Hatch water business serving the public and industrial markets. Previously, Emily was Hatch's Director of Technology Development, responsible for technology portfolio management including project development, technology transfer, industry-university partnerships and intellectual property management. Previous to Hatch, Emily worked at the Xerox Research Centre of Canada for 11 years as Principal Engineer and Process Engineer. Emily has an education a Bachelor Degree in Engineering Chemistry from Queen's University and a Doctorate in Physical Chemistry from Oxford University. In 2016 Emily was recognized as one of 100 Global Inspirational Women in Mining and received the SCI Canada Kalev Pugi Award. On October 1 Emily becomes an Associate Professor and Director of ILead.



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#### **Inmar Givoni, Senior Autonomy Engineering Manager, Uber**



Inmar Givoni is a Senior Autonomy Engineering Manager at Uber Advanced Technology Group, Toronto, where she leads a team whose mission is to bring from research and into production cutting-edge deep-learning models for self-driving vehicles. She received her PhD (Computer Science) in 2011 from the University of Toronto, specializing in machine learning, and was a visiting scholar at the University of Cambridge. She worked at Microsoft Research, Altera (now Intel), Kobo, and Kindred at roles ranging from research scientist to VP, Big Data, applying machine learning techniques to various problem domains and taking concepts from research to production systems. She is an inventor of several patents and has authored numerous top-tier academic publications in the areas of machine learning, computer vision, and computational biology. She is a regular speaker at AI events, and is particularly interested in outreach activities for young women, encouraging them to choose technical career paths. For her volunteering efforts she has received the 2017 Arbor Award from UofT. In 2018 she was recognized as one of Canada's 50 inspiring women in STEM.

#### **Anthony Soung Yee, Product Design, Interaptix**



Anthony received his MASc and PhD at University of Toronto in Industrial Engineering with a specialization in human factors. He has extensive experience in the design of Human-Machine Interfaces for Healthcare, Aerospace and Industrial applications. He currently works at Interaptix, a venture backed Augmented Reality company in Toronto. He is also a sessional lecturer at University of Toronto in human factors and engineering psychology.