Joseph Wong
Ralph and Roz Halbert Professor of Innovation, Munk School of Global Affairs
Founder, Global Ideas Institute

Joshua Folkema
Business Development Manager, World Vision Canada

Josie Fung
Director of the I-Think Initiative, Rotman School of Management

Tammara Soma
Doctoral Candidate, Urban Planning, University of Toronto

Valerie Tarasuk
Professor of Nutritional Sciences, University of Toronto
Principal Investigator, PROOF

Sasha McNicoll
Coalition for Healthy School Food Coordinator, Food Secure Canada

Rachel Gray
Executive Director, The STOP Community Food Centre

Benjamin Walters
Co-Founder and CEO, Feedback App

Wayne Roberts
Independent food policy consultant and analyst

Melanie Kim
Research Associate, Behavioural Economics in Action at Rotman

Adam Sheikh
Founder, aegis
In our global economy, it is becoming increasingly important for students to learn about the world and to think in a global context. This cutting edge program provides students with the tools, knowledge, and guidance to develop innovative solutions to complex world issues. Over the course of the year, students gain exposure to leading global experts, develop complex problem-solving skills, and deliver pitches to a panel of distinguished experts. Students receive guidance from University of Toronto experts, community and graduate-level mentors during this year long learning process.

Now entering its eighth year, the Global Ideas Institute (GII) is an initiative of the Munk School of Global Affairs. The GII was conceived by Professor Joseph Wong and Professor Janice Stein to provide intensive research and learning opportunities for secondary students. Starting this year, the Global Ideas Institute is an ongoing collaborative program between the Munk School of Global Affairs, University of Toronto Schools, Rotman School of Management’s Integrative Thinking, Ontario Institute for Studies in Education, and World Vision Canada.

This year, the GII challenge focuses on the issue of food security. Approximately one third of the world suffers from malnutrition, while 11 percent suffer from undernourishment. Constrained agricultural and food production resources, rapid population growth, and overconsumption all stand as major issues underlying these statistics. As acknowledged by the United Nations (UN), food security is one of the greatest threats facing the world today. Not only is food security an immense challenge in scope, as it reaches every corner of our world, but it is also highly complex. Food must be available, accessible, and nutritious in order for the world’s population to be food secure. Indeed, the challenges associated with ensuring food security are multi-faceted and wide-ranging. It is an issue which intersects with almost every other aspect of a society, economy and environment.

This symposium brings together and showcases the work the remarkable Global Ideas Institute students have produced in just a few short months. The work students did is fully integrated across the many fields and disciplines involved in such a complex problem. They read and grappled with everything from academic research papers to news clippings, from sophisticated demographic materials to personal stories of those working in the field. They struggled with real-world problems through a multidisciplinary lens. They, along with their U of T mentors, receive no credit for their work, other than the gratification of studying a pressing problem yet to be resolved, and generating solutions that can potentially better the lives of hundreds of millions.
Stanley Zlotkin received his medical training at McMaster University in Hamilton, Ontario, paediatric training at McGill University in Montreal, and he obtained a PhD in nutritional sciences at the University of Toronto. He has worked as a clinician-nutritionist and research scientist at The Hospital for Sick Children since 1980. He is Professor in the Department of Paediatrics, the Dalla Lana School of Public Health and the Department of Nutritional Sciences at the University of Toronto, and past Head of the Division of Gastroenterology, Hepatology & Nutrition and Medical Director of Nutrition Support for SickKids.

In his program, the Sprinkles Global Health Initiative, Dr. Zlotkin has focused on research and advocacy to control micronutrient malnutrition in children. It is estimated that as many as 750 million children in developing countries suffer from micronutrient malnutrition. Challenged by UNICEF to come up with a viable and reproducible solution to the problem of micronutrient malnutrition, Dr. Zlotkin and his research team developed the concept of micronutrient powders for “home-fortification” of complementary foods. With support from USAID, Canadian Institutes of Health Research (CIHR) and private foundations, he has completed multi-country research in to prove the benefits of home-fortification to control micronutrient deficiencies. His current research focuses on delivery science to enhance the implementation of public health programs and products.

Dr. Zlotkin is past Chair of the Canadian Paediatric Society Nutrition Committee and is a frequent consultant to governments and UN agencies on issues related to global child health nutrition. His advocacy work was recognized by CIHR in 2006 with award of the prestigious CIHR National Knowledge Translation Award for “outstanding contributions to the health of children worldwide.” He was awarded the HJ Heinz Humanitarian Award in 2001 for his international contribution to the health of children globally. In 2007, he was awarded the Order of Canada, the highest civilian honour in Canada, for his contributions to improving the lives of children globally. He is known internationally as a successful social entrepreneur for his work on home fortification and was awarded an International Ashoka Fellowship in 2007. Today, Dr. Zlotkin continues to head the Sprinkles Global Health Initiative at The Hospital for Sick Children and is an active researcher with well over 100 peer-reviewed publications. Dr. Zlotkin was appointed as Vice-President Medical and Academic Affairs at SickKids in 2010 and in September 2012 he was named as the inaugural Chief of the SickKids Centre for Global Child Health.
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00AM</td>
<td>Breakfast &amp; Registration</td>
<td>OISE Library</td>
</tr>
<tr>
<td>9:00AM</td>
<td>Opening Keynotes</td>
<td>OISE Auditorium (G162)</td>
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<tr>
<td></td>
<td>Joe Wong &amp; Stanley Zlotkin</td>
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<tr>
<td>9:30AM</td>
<td>Transition to Breakouts</td>
<td>Breakout Rooms</td>
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<tr>
<td>10:00AM</td>
<td>Session I: Student Pitches</td>
<td>Breakout Rooms</td>
</tr>
<tr>
<td>12:00PM</td>
<td>Lunch &amp; Poster Session</td>
<td>1 Devonshire Place</td>
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<tr>
<td>1:10PM</td>
<td>Session II: Student Pitches</td>
<td>Breakout Rooms</td>
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<tr>
<td>2:10PM</td>
<td>Coffee Break</td>
<td>Breakout Rooms</td>
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<tr>
<td>2:30PM</td>
<td>Expert Debrief</td>
<td>Breakout Rooms</td>
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<tr>
<td>3:00PM</td>
<td>Transition to Plenary</td>
<td>OISE Auditorium (G162)</td>
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<tr>
<td>3:15PM</td>
<td>Closing Panel</td>
<td>OISE Auditorium (G162)</td>
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<td></td>
<td>Where You Can Go After GII</td>
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<tr>
<td>4:00PM</td>
<td>End &amp; Mentor Social</td>
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**Breakout Room Locations**

<table>
<thead>
<tr>
<th>CAMPBELL CONFERENCE FACILITY</th>
<th>UNIVERSITY OF TORONTO SCHOOLS</th>
<th>OISE NEXUS LOUNGE</th>
</tr>
</thead>
<tbody>
<tr>
<td>1 Devonshire Place, Toronto, ON</td>
<td>Room 135, 371 Bloor St W, Toronto, ON</td>
<td>Nexus Lounge (Floor 12), 252 Bloor St W, Toronto, ON</td>
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## LOCATIONS

<table>
<thead>
<tr>
<th>CCF</th>
<th>OISE NEXUS</th>
<th>UTS 135</th>
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<tbody>
<tr>
<td>Bayview Glen</td>
<td>Branksome Hall</td>
<td>Malvern CI</td>
</tr>
<tr>
<td>Woodbridge College</td>
<td>Etobicoke School of the Arts</td>
<td>Pickering Highschool</td>
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<tr>
<td>UTS</td>
<td>Sandalwood Heights</td>
<td>Havergal College</td>
</tr>
<tr>
<td>Bloor Collegiate Institute</td>
<td>Victoria Park</td>
<td>St Clements</td>
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<td>Harbord CI</td>
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### Lunch

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<thead>
<tr>
<th>UCC</th>
<th>York School</th>
<th>Marc Garneau</th>
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<tbody>
<tr>
<td>Etobicoke CI</td>
<td>Sacred Heart</td>
<td>North Toronto CI</td>
</tr>
<tr>
<td>Michael Power</td>
<td>Lawrence Park</td>
<td>North Park Secondary</td>
</tr>
<tr>
<td>Bishop Marrocco</td>
<td>Pickering College</td>
<td>Northern Secondary School</td>
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**EXPERT BIOS**

**Paul Cadario** joined the World Bank in 1975 and played a number of diverse roles worldwide, including nearly two decades with the World Bank’s frontline development programs in Western Africa and China and then with public sector management throughout Asia. After his retirement from the World Bank in 2012, Cadario was appointed Distinguished Fellow in Global Innovation at the Faculty of Applied Science & Engineering and the Munk School of Global Affairs. In addition to working with faculty and students in the MGA program and PhD candidates at CGEN, he co-teaches a Civil Engineering capstone design course, Sustainable Global Communities.

**Joshua Folkema** is a Business Development Manager at World Vision Canada. World Vision Canada (WVC) is a Christian development, relief and advocacy charity working with communities, families and children around the world to overcome poverty and injustice.

**Teresa Kramarz** is the Director of Munk One, a program for first year undergraduate students at the Munk School of Global Affairs, and Co-Director of the Environmental Governance Lab alongside Matthew Hoffmann and Steven Bernstein. An expert on international organizations and global governance, with emphasis on global environmental politics, her work has examined the impact of the World Bank’s public-private partnerships on democracy, innovation, and financially sustainable conservation governance, the legitimacy of the World Bank as a global knowledge actor, and the local/global relationship in the provision of global public goods.

**Marin MacLeod** is the Knowledge Management & Translation Coordinator at Grand Challenges Canada and is responsible for developing, implementing and enhancing the organization’s knowledge and data management systems. Marin’s focus is on the systems and processes used to capture results and share knowledge generated by grantees and through the organization’s unique innovation platform.

**Ryan Noble** is the Executive Director of North York Harvest Food Bank (NYHFB). Prior to accepting the executive director role, Ryan Noble served as a member of the NYHFB strategic planning committee before joining the board. While on the board, he served as the vice chair, a member of the finance committee and chair of the relocation committee. After completing his bachelor in commerce from Queens University, Ryan focused his career in the aerospace industry, working to develop new business, growing and transforming Bombardier, both locally and abroad. Noble believes in strong partnerships and has a commitment to growth through continuous systems evaluation and development. While completing his masters of education at the University of Toronto, Ryan was able to combine his business expertise and his passion for food security into the research and application of community-supported agriculture and alternative food systems.
Daniel Sellen is the Director of The Joannah & Brian Lawson Centre for Child Nutrition at the University of Toronto. He is cross-appointed in three faculties at the University of Toronto as distinguished professor of Anthropology and Global Health, professor of Nutritional Sciences, and professor of Social and Behavioural Health Sciences. He is also senior resident scholar at the SickKids Centre for Global Child Health. He has served in many administrative roles at UofT, most recently as the inaugural associate dean of research at the Dalla Lana School of Public Health, and has a wealth of teaching, supervisory and academic mentoring experience. An expert in child nutrition, human ecology and international health with over 25 years of experience leading cross-disciplinary studies of child and family nutrition security, Prof. Sellen has contributed to more than 70 original research articles published in peer reviewed scientific journals and books, and more than 280 invited lectures and presentations at academic institutions, organizations and scientific conferences.

Adam Sheikh is a third year student studying Peace Conflict and Justice at the Munk School of Global Affairs, University of Toronto. He also is the Founder of aegis, a non-profit dedicated to protecting Gulf construction workers from the dangers of heat strain. Adam has conducted research surrounding the supply of electricity in the Gaza Strip and on UNHCR cash transfers to Syrian refugees in Jordan. Adam’s past work experience has largely been concentrated in the banking sector having spent time at Abu Dhabi Commercial Bank, Bank Clearly and TD wealth in private investment.

Bibiana Virguez is the Community Food Animation Manager at FoodShare Canada. Bibiana joined FoodShare in 2014 as a part-time Community Food Animator and moved to full-time status as Food Justice Facilitator in 2015 where she advocates for an inclusive, community-led and participatory food system by addressing systemic change and building stronger communities. Bibiana was born and raised in Colombia where she obtained an Honours Bachelor of Applied Science in Environmental Management. As part of her Thesis, Bibiana supported independent farmers in developing Agricultural Best Management Practices. While growing up, Bibiana was inspired by her dad's municipal and provincial contribution in the education and social areas. In Colombia, she actively participated in Community Development projects and led the selection of environmental reading material for several high-school libraries. After moving to Toronto in 2008, Bibiana completed a Post-Graduate Certificate in Urban Land Development.

Joseph Wong is the Ralph and Roz Halbert Professor of Innovation at the Munk School of Global Affairs, Professor of Political Science, and Canada Research Chair in Health, Democracy and Development. He was the Director of the Asian Institute at the Munk School from 2005 to 2014. Professor Wong has been a visiting scholar at institutions in the US (Harvard), Taiwan, Korea, and the UK (Oxford); has worked extensively with the World Bank and the UN; and has advised governments on matters of public policy in Asia, Africa, the Americas, and Europe. Professor Wong teaches courses in the department of Political Science, the Munk One program and the Munk School of Global Affairs. Professor Wong’s current research focuses on poverty and innovation. Professor Wong is also the founder of the Global Ideas Institute.
Bayview Glen  
*Presentation Title: Vertical Green*

Bishop Marrocco/Thomas Merton Catholic Secondary School  
*Presentation Title: Fresh Bench*

Bloor Collegiate Institute  
*Presentation Title: Airship Transportation in James Bay*

Branksome Hall  
*Presentation Title: Addressing Food Security in Dharavi, Mumbai*

Etobicoke Collegiate Institute  
*Presentation Title: Food Security in Iqaluit*

Etobicoke School of the Arts  
*Presentation Title: Hydroponic Farms – A Proposed Solution to Food Security in Arviat*

Harbord Collegiate Institute  
*Presentation Title: Kawartha Indigenous Co-op*

Havergal College  
*Presentation Title: Sustainable Indoor Farming in Nunavut*

Lawrence Park Collegiate Institute  
*Presentation Title: Satuimajuq*

Malvern Collegiate Institute  
*Presentation Title: UDAL*

Marc Garneau Collegiate Institute  
*Presentation Title: Project Snack Bin*

Michael Power/St. Joseph  
*Presentation Title: Hydroponics – Developing a Sustainable Future for Northern Canada*

North Toronto Collegiate Institute  
*Presentation Title: Food Security in Ontario*

North Park Secondary School  
*Presentation Title: (WN)*

Northern Secondary School  
*Presentation Title: Aquaponic Systems – A Solution for Food Security in Arviat, Nunavut*

Pickering College  
*Presentation Title: EA2T*

Pickering High School  
*Presentation Title: Anangiq*

Sacred Heart Secondary School  
*Presentation Title: Effective Storage Solutions*

Sandalwood Heights Secondary School  
*Presentation Title: Food Insecurity in Northern Ontario*

St Clements School  
*Presentation Title: Food Insecurity in Post-Secondary Institutions in the GTA*

Upper Canada College  
*Presentation Title: Food Scarcity in Nunavut*

University of Toronto Schools  
*Presentation Title: Ripple*

Victoria Park Collegiate Institute  
*Presentation Title: Solving Food Insecurity Using Food Waste*

Woodbridge College  
*Presentation Title: Food Security in Canada*

York School  
*Presentation Title: grocerynorth.com*
CONGRATULATIONS
& THANKS FOR A WONDERFUL YEAR

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Instagram: @globalideasto
www.munkschool.utoronto.ca/gii

Stay tuned for 2018-19 GII applications in May!