

# GEDC INDUSTRY FORUM 2020 PROGRAM

## Transformational Engineering: Developing the next generation of engineering innovators, experts and leaders

Brought to you by the Global Engineering Deans Council, Petrus and McMaster University Faculty of Engineering

Monday 28<sup>th</sup> September – Thursday 1<sup>st</sup> October 2020

To ensure time for off screen activity and other potential priorities in participants' schedules, **core online activity is limited to between 2 and 4 hours on Monday, Tuesday and Thursday**. A recording of Monday and Tuesday's sessions will run later on the same day with a live host who will enable participants in other time zones to join the global dialogue.

Recordings of all sessions will remain available on the event platform.

**Design group work** will start immediately after the formal sessions end on Tuesday and finish at close of day on Wednesday (EDT). You and your fellow group members will organize your working time together as best suits you all. This means that you will not be expected to be available and/or online throughout the whole period.

Links to all sessions are in the schedule on the event platform available to all registered participants, in your own time zone.

All times are listed in the program in Eastern Daylight Time (EDT), Hamilton, Canada.

Times marked ● are part of the formal program. Times marked ● are optional sessions, recorded reruns for global audience or social activities.

### MONDAY 28 SEPTEMBER

While the formal program starts at **09:00 (EDT)**, we invite all to join 20 minutes before this at 08:40 (EDT) ● to meet your fellow delegates in an informal welcome session.

- 09:00 – 09:20 (EDT) ● Introduction & Welcome**  
Sirin Tekinay, Dean, College of Engineering, American University of Sharjah, UAE & Chair of the GEDC and John Preston, Associate Dean, Research and External Relations, Faculty of Engineering, McMaster University, Canada
- 09:20 – 10:10 (EDT) ● Inspirational Session: Transformational Engineering: Developing the Next Generation of Engineering Innovators, Experts and Leaders for Changed World**  
**Host:** Sirin Tekinay, Dean, College of Engineering, American University of Sharjah, UAE & Chair of the GEDC  
**Speakers:**
- Dr Susan Tighe, Provost and Vice-President Academic, McMaster University, Canada
  - Katherine Bennett CBE FRAeS, Senior Vice President, Airbus

### **BREAK**

- 10:15 – 11:00 (EDT) ● Global Student Panel Part 1: Experiences, perspectives and expectations from the next generation**  
**Host:** Una Beagon, Assistant Head of School, School of Civil & Structural Engineering, Technological University, Dublin and currently leading the [A-STEP 2030](#) "Attracting Diverse Talent to the Engineering Professions of 2030" Research Project.
- 11:00 – 11:30 (EDT) ● Continue the Conversation**  
*Participants are welcome to stay online to continue the conversation, share their views and interact with other participants.*
- 19:00 – 20:10 (EDT) ● Day 1 Recording: Introduction & Welcome, Inspirational Session**  
*Recording from earlier session with live host*

### **BREAK**

- 20:15 – 21:00 (EDT) ● Global Student Panel Part 2: Experiences, perspectives and expectations from the next generation**  
*A second group of students from different regions share their experiences, perspectives and expectations*

Your live host for both of the above sessions is Kirsten Williamson, Founder & CEO, Petrus

## TUESDAY 29 SEPTEMBER

- 08:00 – 08:30 (EDT) ●** **Thriving Online Student Presentations**  
*Hear from the 3 best teams from the global learning expedition 'Thriving Online' which concludes on Monday 28<sup>th</sup> September.*
- 09:00 – 09:10 (EDT) ●** **Introduction and conclusions from day one**
- Prof. Sirin Tekinay, Dean, College of Engineering, American University of Sharjah, UAE and Chair of the GEDC
- 09:10 – 10:10 (EDT) ●** **Inspirational Panel**  
*Pursuing the Positives - Setting the Agenda for the Future of Engineering Education*  
**Moderator:** John Preston, Associate Dean, Research and External Relations, Faculty of Engineering, McMaster University, Canada  
**Panellists:**
- Beth Callen, Downstream Organisational Development Manager, Shell
  - Joris Melkert, Director of Education, Faculty of Aerospace Engineering, TU Delft, The Netherlands
  - Charlette N'Guessan, Co-founder & CEO, BACE GROUP and & 2020 Recipient of the Royal Academy of Engineering's Africa Prize for Engineering Innovation
  - Colin Tan, Director of Operations, TusPark
- BREAK**
- 10:15 – 11:15 (EDT) ●** **Dynamic Design Groups**  
*Introduction and brainstorm in moderated groups followed by 20-minute break.*  
Kirsten Williamson, Founder & CEO, Petrus and Chantal Barry, Head of International Publications for Research, CEVIPOF - Sciences Po, France
- BREAK**
- 11:35 – 12:45 (EDT) ●** **Dynamic Design Groups: Output and brief followed by self-organized group work**  
*Following the output and brief, up to 40 minutes of this final session is time for you to get organized within your group. After this, groups will continue to self-organize until close of business Wednesday using tools and platform provided as for the sessions.*
- 13:00 – 14:00 (EDT) ●** **Social Activity - Teaching the World to Sing**
- 14:00 – 15:00 (EDT) ●** **Social Activity - Leaders are Readers**
- 19:00 – 20:10 (EDT) ●** **Day 2 recording of plenary sessions hosted live by Kirsten Williamson, Founder & CEO, Petrus**

## WEDNESDAY 30 SEPTEMBER

- All day ●** **Dynamic Design Groups on 10 key themes**  
*Each group works on their selected challenge, with support from an expert moderator. The output of this work will be a presentation, to be recorded with you by the organizing team ahead of Thursday's main session. How your group works together and the time you can commit will be up to you to decide. You will be invited to share your preferences on which group you join, ahead of the event.*
- 06:00 – 07:00 (EDT) ●** **Social Activity - Initiation to Sketching**
- 07:00 – 08:00 (EDT) ●** **Social Activity - Leaders are Readers**
- 08:00 – 09:00 (EDT) ●** **Social Activity - Teaching the World to Sing**
- 12:00 – 13:00 (EDT) ●** **Social Activity - Initiation to Sketching**

## THURSDAY 1 OCTOBER

- 09:00 – 10:30 (EDT) ●** **Dynamic Design Groups Output and Wrap-up**  
Dr Ishwar K. Puri, Dean of the Faculty of Engineering, McMaster University, Canada
- 10:30 – 11:00 (EDT) ●** **Break / Online Dialogue & Networking**
- 11:00 – 11:30 (EDT) ●** **Conclusions & Closing Remarks**