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BEHIND EVERY GREAT ENGINEER.

How to Change the World



How to Change the World: Experiential Education for Sustainable Development

Develop your skills. Advance your knowledge.

How to Change the World equips early-career engineering, business and policy professionals with knowledge and skills to create positive, sustainable change in their communities and organizations.

Designed for Government, Industry and Academia, this program is ideal for high-calibre students who demonstrate leadership qualities and have a passion for strengthening Canada's society and economy.

Spring 2019 Toronto, Ontario

www.ospe.on.ca/HtCtW

What is *How to Change the World* (HtCtW)?



HtCtW is an experiential education program that prepares participants to bring their expertise to bear on complex societal challenges (aka. real-world, 'wicked' problems).

The HtCtW program builds upon the UN Sustainable Development Goals to enable participants to understand the local through global applicability of their learning experience.

Developed as a capstone course of accredited engineering and management degrees at University College London, HtCtW is grounded in world-leading problem-based learning pedagogies. Working in diverse, interdisciplinary teams, participants are guided through carefully designed processes that enable them to effectively, creatively and collaboratively tackle complex, real-world challenges. This type of experiential learning enables participants to internalize the skills and knowledge at the heart of HtCtW.

For HtCtW @ OSPE, students will be in teams with early-career engineering, business and policy professionals, creating significant networking and career development benefit for the students (in addition to the educational experience).

Who should participate?

The program is ideally suited for upper year undergraduate and graduate students in engineering, business or public policy degree programs, as well as early-career postdoctoral researchers in similar disciplines. It is particularly valuable for developing the creative teamwork and leadership abilities of highly talented and motivated individuals. (Students from any degree program are welcome.)

What should participants expect?

An intense and enriching educational experience, through which participants will meet and collaborate with a highly diverse network of colleagues similarly motivated to bring their skills to bear on complex societal challenges. In addition to a Certificate of Completion recognizing the skills and knowledge they have acquired, participants will also develop an action plan (supported by an enabling network) for immediately applying their learning to their careers and communities.

Program at a Glance

Three full days of learning and engagement.



Day 1 | 15:00-20:00 | Kick Off & Welcome Reception

Participants will dive into the program with introductions to both their teams and the program process. This will be followed by a Welcome Reception that will provide participants an opportunity to network with dignitaries and guests from key partner organizations.

Day 2 | 08:00-18:00 | Intensive Design Studio

Working in their diverse teams, participants will be guided by internationally experienced teaching staff through an intensive Design Studio focus on a 'wicked' societal Challenge that is grounded in one of the UN Sustainable Development Goals.

Beginning from the unique collection of expertise and interests assembled in each diverse team, participants will scope a specific aspect of the broad Challenge their team will uniquely tackle. Throughout the day, teams will hone and refine their thinking through interactions with both external Challenge Experts and other teams.

The day culminates with teams to brainstorm ideas for addressing the specific problem they have chosen to focus on within the Challenge.

(Evening: Participants have an unstructured evening for networking and working in their teams, as they choose.)

Day 3 | 08:00-15:00 | Intensive Design Studio

Picking up where they left off on Day 2, participant teams spend the morning honing and refining their idea(s) for addressing their chosen problem through interactions with both external Innovation Experts and other teams.

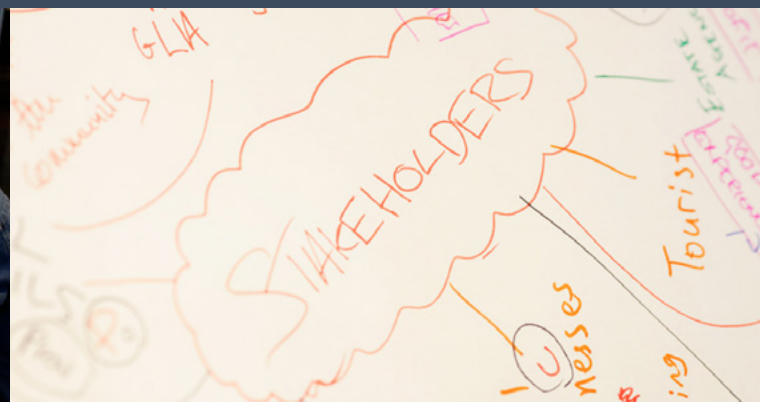
By the end of the morning, teams solidify the idea(s) they intend to present, and shift focus to preparing for the Showcase. Time is also set aside for reflection on how participants' can integrate their learning from the program into their careers and communities.

Day 3 cont'd | 15:30-20:00 | Showcase, Awards Ceremony & Closing Reception

Starting late afternoon, participant teams will present the ideas they have devised to Judges and invited guests circulating throughout the Showcase.

Upon conclusion of the Judging, a short Awards Ceremony hosted by dignitaries and key partners will acknowledge the best ideas and presentations of the program.

Following the Awards Ceremony a closing reception will continue, enabling participants to network with guests from partner organizations and with each other.



About OSPE

The Ontario Society of Professional Engineers (OSPE) is the voice of the engineering profession in Ontario. We represent the entire engineering community, including professional engineers, engineering graduates and students who work or will work in several of the most strategic sectors of Ontario's economy.

www.ospe.on.ca

About HtCtW

How to Change the World is a unique hands-on training program that equips rising engineering and business talent with the skills to develop creative and technically robust solutions to 21st-century challenges to bring about positive social change.

www.htctw.org/about

2019 How to Change the World Corporate Partnership Levels

These figures indicate the value of the program to our Corporate and Government participants. Our aim is to offer the HtCtW program to university students at a significantly subsidized rate. Further details are available upon request.

\$25,000 - \$5,000	2 available	5 available	15 available
	Adjudicator Level	Leader Level	Connector Level
Investment	\$25,000	\$15,000	\$5,000
# of early-career participants	10	6	2
Promotion in media	✓	✓	✓
Recognition in the Voice magazine (ospe.on.ca/the-voice)	✓	✓	✓
Opportunity to add promotional material in delegate	✓	✓	✗
Table top display in foyer	✓	✓	✗
Recognition of social and digital media	✓	✓	✓
Logo on event website	Large logo placement	Medium logo placement	Small logo placement
Logo in event program			
Logo on event signage			

Note: The two-day event includes Continental Breakfasts, Plated Lunches, Networking Breaks and Reception. Individual ticket pricing available upon request.

Register for the conference:
www.ospe.on.ca/HtCtW

Questions?
 Contact Jason Di Tommaso
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Come discover how your expertise can contribute to achieving the **UN Sustainable Development Goals!**