

# WORKSHOP: ECONOMIC SECURITY, RESILIENCE AND DE-CARBONIZATION OF **HEAVY INDUSTRIES**

Fairmont Chateau Laurier Hotel, Quebec Suite, 1 Rideau Street Ottawa, ON

Wednesday, November 28 – Thursday 29, 2018

# THEME: A Multi-stakeholder, Multidisciplinary Approach to Addressing Challenges and Leveraging Opportunities for the De-carbonization of Heavy Industries

This workshop is meant for public servants, industry, engineers, academics, non-governmental organizations, students, economists, business leaders, and Indigenous peoples interested in seeking solutions for the de-carbonisation of heavy industry in Canada.

#### **AGENDA**

#### **Keynote Speakers**

Prof. Rafik Goubran, Vice President Research and International, former Dean of the Faculty of Engineering and Design, **Carleton University** 

Sophie Brocher, CEO Energir

Ken Olgivie, Advisor of Policy at Zerofootprint Software Inc.

Francis Perras, ArcelorMittal Long

John Creighton, Greenfield

#### **PRINCIPAL SPONSOR**

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# Infrastructure Resilience Research **Group** (IRRG) Office of the Dean, Faculty of Engineering and Design

## DAY 1 – Wednesday, November 28, 2018

7:30 – 8:30	Registration
8:30 – 8:45	Co-Hosts' Opening Remarks
	<b>Felix Kwamena</b> , Ph.D. Adjunct Professor and Director, Infrastructure and Resilience Research Group (IRRG), Faculty of Engineering and Design, Carleton University
	<b>Shahrzad Rahbar</b> , Ph.D., ICD.D., President, Industrial Gas Users Association (IGUA)
8:45 – 9:30	Keynote Remarks: The Role of Research and Innovation in the De- Carbonization of Heavy Industry
	<b>Prof. Rafik Goubran</b> , Vice President Research and International, former Dean of the Faculty of Engineering and Design, Carleton University
9:30 – 10:30	Session I: Framing the Need for De-carbonization
	Plenary Panel:
	TBC
10:30 - 11:00	NETWORKING BREAK
11:00 – 12:30	Breakouts: Defining the Challenges of De-carbonization
12:30 – 1:30	Luncheon Keynote: -
	Sophie Brocher, CEO Energir
1:30 – 2:45	Cases Studies and Lessons Learned
	Presenters:
	TBC
2:45 – 3:00	BREAK



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3:00 - 4:00**Session II: Panel Discussion** 

Panel:

**TBC** 

4:00 - 4:15 Wrap Up

DAY 2 – Thursday, November 29, 2018		
8:00 – 8:15	Co-Hosts' Recap of Day 1	
	<b>Felix Kwamena</b> , Ph.D. Adjunct Professor and Director, Infrastructure and Resilience Research Group (IRRG), Faculty of Engineering and Design, Carleton University	
	<b>Shahrzad Rahbar</b> , Ph.D., ICD.D, President, Industrial Gas Users Association (IGUA)	
8:15 – 9:00	Keynote Remarks – Who are the Players and what do they need to do differently?	
	Ken Olgivie, Advisor of Policy at Zerofootprint Software Inc.	
9:00 – 10:00	Breakout Session – Who needs to act and how?	
10:00 – 10:30	NETWORKING BREAK	
10:30 – 12:00	Breakout Session – Who needs to act and how?	
12:00 – 1:00	<u>Luncheon Keynote</u> - Reinventing Industry	
	Francis Perras, ArcelorMittal Long	
	John Creighton, Greenfeild	
1:00 – 2:30	Reporting Breakout Session Results	
2:45 – 3:00	BREAK	

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3:00 – 4:00	Session III – Plenary Panel Discussion – Next Steps and Actions
	Panel:
	TBC
4:00 - 4:15	Wrap Up

#### **DAY 2 EVENING**

## **DEAN'S LECTURE**

#### Host:

**Felix Kwamena**, Ph.D. Adjunct Professor and Director, Infrastructure and Resilience Research Group (IRRG), Faculty of Engineering and Design, Carleton University

6:30 – 9:30	Refreshments
6:30 – 6:45	Welcome Remarks and Introductions
	<b>Fred F. Afagh, Ph.D., P.Eng.,</b> Interim Dean, Faculty of Engineering and Design
6:45 – 8:15	Panel Presentation
8:15 – 8:45	Facilitated Discussion
	Andre Plourde, Ph. D., Dean, Faculty of Public Affairs
8:45 – 8:50	Closing Remarks
	<b>Felix Kwamena</b> , Ph.D. Adjunct Professor and Director, Infrastructure and Resilience Research Group (IRRG), Faculty of Engineering and Design, Carleton University
8:50 – 9:30	Networking Reception