



**Spring Symposium of  
the Canadian Section of The  
Electrochemical Society**

*Recent Trends and Advances in  
Electrochemistry and  
Electrocatalysis in Canada*

**Saturday, April 22<sup>nd</sup>, 2023  
Donald Gordon Hotel & Conference  
Centre, Queen's University,  
421 Union Street, Kingston, ON. K7L 3N6**

**ECS Canadian Section – Spring Symposium – Program**

**7:30 - 8:30 – Registration, Coffee and Continental Breakfast Ground Level;  
Installation of Posters in Room B of DGH&CC**

Morning Session Chaired by Derek Esau and Niuscha Mouchani – DGH&CC Room A

**8:30 - 8:40 – *Welcome and Introductory Remarks*** – Senior Administrator, Queen's University, Kingston, ON.

**8:40 - 9:00 – *The Electrochemical Society*** – Christopher Jannuzzi, Executive Director & CEO, The Electrochemical Society, Pennington, N.J., USA – **“Words of Welcome and Thanks from ECS Headquarters”**

**9:00 - 9:30 – *Keynote Lecture*** – Prof. Christophe Coutanceau, Université de Poitiers, Poitiers, France – **“Electrocatalytic Conversion of Molecules from Biomass: Challenges and Opportunities”**

**9:30 - 9:50 – *Invited Lecture*** – Prof. Ana Tavares, Institut national de la recherche scientifique, Verannes, QC., Canada – **“Sampled Current Voltammetry Applied to the Study of the Oxygen Reduction Reaction on Oriented Thin Films”**

**9:50 - 10:10 – *Invited Lecture*** – Prof. Elena Baranova, University of Ottawa, Ottawa, ON. – **“Role of Ionomers in Anion Exchange Membrane Water Electrolysis: A Cautionary Tale”**

**10:10 - 10:30 – Coffee Break and Poster Session**

**10:30 - 10:50 – *Invited Lecture*** – Prof. Ali Seifitokaldani, McGill University, Montreal, QC. – **“Extremely Small Nanoclusters: Promising Catalysts for the CO<sub>2</sub> Reduction Reaction”**

**10:50 - 11:10 – *Invited Lecture*** – Bowen Wang, Minghui Hao, Don Kirk, Daniel Guay, Prof. Steven Thorpe, University of Toronto, Toronto, ON. – **“Optimization of the Surface Morphology for Superaerophobic Behaviour using EIS”**

**11:10 - 11:30 – *Invited Lecture*** – Prof. Cao Thang Dinh, Queen's University, Kingston, ON. – **“In-situ Activation of Catalysts for Selective and Stable Electrochemical CO<sub>2</sub> Reduction”**

**11:30 - 12:00 – *Award Presentation (5 min) and Award Lecture (25 min)*** – the ECS Canadian Section Lash Miller Award, Winner to be announced, **“Title to be added”**

## 12:00 - 1:30 – Lunch, Networking, and Poster Session (Room B of DGH&CC)

Afternoon Session Chaired by Sho Fujita and Gaurav Verma – DGH&CC Room A

**13:30 - 14:00 – *Keynote Lecture*** – Andrew Stuart, President and CEO, Hydrogen Optimized, Owen Sound, ON., “**Gigawatt Scale Materials for Water Electrolysis: An Industrial Perspective of Energy Transition Challenges**”

**14:00 - 14:30 – *Award Presentation (5 min) and Award Lecture*** – the ECS Canadian Section Student Award, Winner to be announced, “**Title to be added**”

**14:30 - 14:50 – *Invited Lecture*** – Prof. Gianluigi Botton, Science Director, Canadian Light Source, Saskatoon, SK – “**The Canadian Light Source Synchrotron: Capabilities and Examples of Research**”

**14:50 - 15:10 – *Regular Lecture*** – Liam K. Varvaris, Derek Esau, Prof. Gregory Jerkiewicz, Queen’s University, Kingston, ON. – “**Surface Structure Dependence of the HER on Monocrystalline Ni Materials**”

**15:10 - 17:30 – Reception; Continuation of the Poster Session; Announcement of the Winners of the Student Poster Competition Room B of DGH&CC**

**17:30 – Adjournment – Safe travels!**

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### Registration and Registration Fees

Registration will be open on the website of the Canadian Section of The Electrochemical Society (*below*). The registration includes: (i) access to all sessions; (ii) continental breakfast; (iii) a sit-down buffet lunch; and (iv) reception. The registration fees are in US\$ (the ECS is a society based in the USA).

Regular participant	<b>US\$135</b>	Student/postdoctoral fellow	<b>US\$85</b>
Exhibitor	<b>US\$425</b>	Sponsorship	<b>US\$250</b>

### **Poster Session and Student Poster Competition**

Poster presentations will be held in Room B of the DGH&CC during the coffee and lunch breaks, and during the afternoon reception. The dimensions of the poster must be less than **36” (width) × 48” (height)**. Posters should be installed upon arrival during the registration/breakfast period (7:30 – 8:30 a.m.) and removed immediately following the afternoon poster session (5:30 p.m.). Deadline for poster submission ends on Friday, April 14<sup>th</sup>, at 5 p.m. Students who present posters will automatically participate in the **Student Poster Competition** (*three judged will evaluate the posters*).

Poster presenters are asked to send the following information to Derek Esau at [Odmce@queensu.ca](mailto:Odmce@queensu.ca): (1) poster title; (2) authorship; and (3) affiliation. Students/post-doctoral fellows: please, confirm with your supervisor prior to the submission of the poster information.

## Venue / Hotel

Donald Gordon Hotel & Conference Centre, 421 Union St, Kingston, ON K7L 3N6  
<https://www.queensu.ca/donaldgordoncentre/>



As the venue's name indicates, Donald Gordon Hotel & Conference Centre is also a hotel and offers comfortable accommodation that includes breakfast.

A block of rooms has been reserved for the symposium's attendees for the night before and after the event (April 21<sup>st</sup> and 22<sup>nd</sup>). The special price is **\$160 + tax**. Call the hotel to make your reservation: Local: (613) 533-2221 or Toll Free: +1 (866) 455-2655. When making a reservation, mention the **Group # 54680** to obtain the special rate.

## Parking

Donald Gordon Hotel & Conference Centre has a large parking lot and offers free parking to the symposium attendees.

## Getting Here

The location of Donald Gordon Hotel & Conference Centre using any navigation device or the below link with the Queen's University campus map.

<http://www.queensu.ca/campusmap/main>

## Organizers

The Spring Symposium is organized by Prof. Gregory Jerkiewicz and his Research Group members, Derek Esau, Sho Fujita, Gaurav Verma, and Niusha Mouchani, of the Department of Chemistry, Queen's University.

<https://www.queensu.ca/jerkiewicz-research-group/>