

10th Annual Symposium – July 23rd and 24th
(Tentative Schedule)

Thursday July 23, 2020		Chair
9:30 – 9:40	Welcoming Remarks	Sara Filice
9:40 – 10:20	<p style="text-align: center;">Keynote: Corrosion Investigations for Nuclear Waste Management in Canada</p> <p style="text-align: center;">Peter Keech Nuclear Waste Management Organization, Toronto, ON, Canada</p>	
10:20 – 10:40	<p style="text-align: center;">Dealloying of Nickel Based Alloys in Molten Salts and Concentrated Caustic Solution</p> <p style="text-align: center;">Touraj Ghaznavi, R.C. Newman Department of Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, ON, Canada</p>	
10:40 – 11:00	Coffee Break	
11:00 – 11:20	<p style="text-align: center;">Use of Coupled Multielectrode Arrays to Elucidate the Pitting Probability of Copper in Unary and Binary Solutions Containing Chloride, Sulfate, and Bicarbonate</p> <p style="text-align: center;">Sina Matin¹, A. Tahmasebi², A. Morgan¹, D. Zagidulin, M. Behazin³, M. Davidson², J.J. Noël^{1,4} ¹Department of Chemistry, Western University, London, ON, Canada ²Department of Statistical and Actuarial Sciences, Western University, London, ON, Canada ³Nuclear Waste Management Organization, Toronto, ON, Canada ⁴Surface Science Western, Western University, London, ON, Canada</p>	Lindsay Braithwaite
11:20 – 11:40	<p style="text-align: center;">Inhibiting Corrosion of Mg Alloy ZEK100 Sheet Metal with Lithium Carbonate</p> <p style="text-align: center;">Basem Zaghoul, J.R. Kish Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada</p>	
11:40 – 12:00	<p style="text-align: center;">A Novel Facility for Studying Corrosion via <i>in-situ</i> Raman Spectroscopy and Proton Irradiation</p> <p style="text-align: center;">Vindel Ramsundar, K. Daub, S.Y. Persaud, M.R. Daymond Department of Mechanical and Materials Engineering, Queen's University, Kingston, ON, Canada</p>	
12:00 – 13:00	Lunch	
13:00 – 13:20	<p style="text-align: center;">Effect of CGL-Compatible Heat Treatments on the Selective Oxidation of a Medium-Mn Third-Generation Advanced High Strength Steel</p> <p style="text-align: center;">Daniella Pallisco¹, J.R. McDermid¹, F.E. Goodwin² ¹Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada ²International Zinc Association, Durham, NC, United States</p>	Thao Do
13:20 – 13:50	<p style="text-align: center;">Question and Answer Session – Seeking Employment in Professional Engineering in Canada</p> <p style="text-align: center;">Craig Stevenson</p>	
13:50 – 14:10	Coffee Break	
14:10 – 16:30	Student Poster Session	

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9:40 – 10:00	<p style="text-align: center;">Nano-Scale Characterization of Stress Corrosion Cracking in an Alloy C-276 Pull Rod</p> <p style="text-align: center;">Desmond Williams, K. Daub, S.Y. Persaud Department of Mechanical and Materials Engineering, Queen’s University, Kingston, ON, Canada</p>	Martin Badley
10:00 – 10:20	<p style="text-align: center;">De-alloying as a Precursor to Stress Corrosion Cracking on Ni-Fe-Cr Alloys in Hot Caustic Environments</p> <p style="text-align: center;">Hooman Gholamzadeh, K. Daub, S.Y. Persaud Department of Mechanical and Materials Engineering, Queen’s University, Kingston, ON, Canada</p>	
10:20 – 10:40	<p style="text-align: center;">Effect of Hot Press Forming on Electrochemical Properties of a Galvanized Steel</p> <p style="text-align: center;">Jaime Jewer, J.R. Kish, J.R. McDermid Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada</p>	
10:40 – 11:00	Coffee Break	
11:00 – 11:40	<p style="text-align: center;">Keynote: Electrolytic Conversion of Aqueous Bicarbonate to Fuels</p> <p style="text-align: center;">Maxwell Goldman</p>	Claire Tully
11:40 – 12:00	<p style="text-align: center;">Probing the Anodic Growth Mechanism of Thin Film Titanium Oxide</p> <p style="text-align: center;">Hunter Feltham¹, J.J. Noël^{1,3}, L.V. Goncharova² ¹Department of Chemistry, Western University, London, ON, Canada ²Department of Physics and Astronomy, Western University, London, ON, Canada ³Surface Science Western, Western University, London, ON, Canada</p>	
12:00 – 13:00	Lunch	
13:00 – 13:40	<p style="text-align: center;">Panel of NACE SOSS Alumni</p> <p style="text-align: center;">Jordan Kramp, Mehran Behazin, Matthew Asmussen, Maxwell Goldman, Adrián Vega Zúñiga</p>	Elliott Asare
13:40 – 14:00	Closing Remarks and Awards Ceremony	