

11th Annual Symposium – July 22nd and 23rd
(Final Schedule)

Eastern Daylight Time	Thursday July 22, 2021	Chair
9:30 – 9:40	Welcoming Remarks	Martin Badley
9:40 – 10:20	Keynote Peter Keech Nuclear Waste Management Organization, Toronto, ON, Canada	
10:20 – 10:40	Metallic Nanoporous Materials Empowering the March towards Sustainable Development Goals AmirHossein Foroozan Ebrahimi, R. C. Newman Department of Chemical Engineering and Applied Chemistry, University of Toronto, Toronto, ON, Canada	
10:40 – 11:00	Coffee Break	
11:00 – 11:20	Aqueous Corrosion of Inconel X-750: Effects of Aeration and Gamma-Radiation Mohsen Bahrami, J.M. Joseph, J.C. Wren Department of Chemistry, Western University, London, ON, Canada	Desmond Williams
11:20 – 11:40	Effect of Neutron Irradiation on the Oxidation of Zr-2.5Nb in High Temperature Water and the Possible Role of Nano-Porosity Shaik Adil¹, M. Topping¹, K. Daub¹, C. Dever², H. Nordin², S.Y. Persaud¹, M.R. Daymond¹ ¹ Department of Mechanical and Materials Engineering, Queen's University, Kingston, ON, Canada ² Canadian Nuclear Laboratories, Chalk River, ON, Canada	
11:40 – 12:00	Corrosion Performance of High Temperature Alloys in Molten Salt Mixtures for Next Generation Energy Systems Solution Isabella McDonald McMaster University, Hamilton, Ontario, Canada	
12:00 – 13:00	Lunch	
13:00 – 15:30	Student Poster Session	
19:00 – 22:00	Social Night	

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Eastern Daylight Time	Friday July 23, 2021	Chair
9:50 – 10:00	Welcoming Remarks	
10:00 – 10:40	Keynote: Corrosion in Nuclear Nicolas Huin Canadian Nuclear Laboratories, Chalk River, ON, Canada	Claire Tully
10:40 – 11:00	Evolution of Used Fuel Container Corrosion from Oxidic to Anoxic Conditions Elham Salehi Alaei ¹ , M. Guo ¹ , J. Chen ¹ , M. Behazin ² , J. J. Noël ^{1,3} ¹ Department of Chemistry, University of Western Ontario, London, ON, Canada ² Nuclear Waste Management Organization, Toronto, ON, Canada ³ Surface Science Western, University of Western Ontario, London, ON, Canada	
11:00 – 11:20	Coffee Break	
11:20 – 11:40	Stress Corrosion Cracking (SCC) of Ni-Cr-Fe Alloys in Boiling Caustic Environments and the Effect of Lead Bander Alsekhan, H. Gholamzadeh, K. Daub, S.Y. Persaud Department of Mechanical and Materials Engineering, Queen's University, Kingston, ON, Canada	Vindel Ransundar
11:40 – 12:00	The Effect of H₂O₂ on Corrosion Dynamics of Carbon Steel in Small Volume, Stagnant Solutions Kwang O'Donnell ¹ , Y.G. Shin ¹ , J.M. Joseph ¹ , M. Behazin ² , P.G. Keech ² , J.C. Wren ¹ ¹ Department of Chemistry, University of Western Ontario, London, ON, Canada ² Nuclear Waste Management Organization, Toronto, ON, Canada	
12:00 – 13:00	Lunch	
13:00 – 14:00	Panel of NACE SOSS Alumni Suraj Persaud, Brent Sherar, Zoë Coull, Yoel Emun, Jared Smith	Thao Do
14:00 – 14:30	Closing Remarks and Awards Ceremony	

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