

6th Annual Symposium – July 28th, University of Western Ontario
(Physics & Astronomy Building: Room 148)

Thursday July 28, 2016		Chair
9:20 – 9:40	Introduction and Welcoming Remarks	Darren Feenstra
9:40 – 10:00	Tracking the Galvanic Corrosion of Copper-Coated Carbon Steel Using In Situ X-ray Microtomography T.E. Standish Department of Chemistry, Western University, London, ON, Canada	
10:00 – 10:20	Identifying Problematic Microstructural Features Causing Initiation of Hydrogen Induced Cracking in Linepipe Steel S. Filice Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada	
10:20 – 10:40	Coffee Break	
10:40 – 11:00	Optimizing Electrochemical Micromachining Parameters for Zr-based Bulk Metallic Glass K. Cole Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	Ali Ashrafriahi
11:00 – 12:00	Invited Speaker: Presentation by Surface Science Western (SSW) Dr. Sridhar Ramamurthy Surface Science Western, Western University, London, ON, Canada	
12:00 – 13:00	Lunch - Provided	
13:00 – 14:00	Tour to Surface Science Western	
14:00 – 14:20	Corrosion of Copper Coated Nuclear Waste Containers in Aerated Nitric Acid J. Turnbull Department of Chemistry, Western University, London, ON, Canada	Shooka Mahboubi
14:20 – 14:40	Effects of pH, Temperature and Radiation on Corrosion and Oxide Formation on Pure Nickel R. Karimihaghighi Department of Chemistry, Western University, London, ON, Canada	
14:40 – 15:00	Corrosion Behaviour and Stress Corrosion Cracking Mechanism of Steel in Ethanol A. Ashrafriahi Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	
15:00 – 15:20	Coffee Break	
15:20 – 15:40	Combined Effects of Cr Content and Radiation on Corrosion of Stainless Steels J. Shin Department of Chemistry, Western University, London, ON, Canada	Wilfred Binns
15:40 – 16:00	Corrosion and Stress Corrosion Cracking Mechanisms, Impurities, and Underlying Thermodynamics in Nuclear Steam Generators A. Foroozan Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	
16:00 – 16:30	Closing Remarks	
16:30	Social Gathering in Western Grad Club	

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