

5<sup>th</sup> Annual Symposium – July 6<sup>th</sup>, University of Toronto  
(Wallberg Memorial Building, 200 College Street, Room WB215)

<b>Monday July 6, 2015</b>		<b>Chair</b>
<b>9:30 – 9:50</b>	<b>Welcoming Remarks</b>	<b>Nafiseh Ebrahimi</b>
<b>9:50 – 10:10</b>	<b>The Effect of Friction Stir Welding on Corrosion Fatigue Performance of Mg Alloy AZ31B</b> <b>Dan Tapp</b> Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada	
<b>10:10 – 10:30</b>	<b>The Influence of Cooling Rate on the Corrosion Properties of Mg ZEK100 Alloy Via Wedge Casting</b> <b>Wilfred Binns</b> Department of Chemistry, Western University, London, ON, Canada	
<b>10:30 – 10:50</b>	<b>Coffee Break</b>	
<b>10:50 – 11:10</b>	<b>Electrochemical Investigation of the Effect of Chloride and Various Anions on the Mechanism of Copper Sulphide Film Growth</b> <b>Taylor Martino</b> Department of Chemistry, Western University, London, ON, Canada	<b>Suraj Persaud</b>
<b>11:10 – 11:30</b>	<b>The Anoxic Corrosion of Copper in Pure Water and Chloride Rich Brines</b> <b>Emilija Ilic</b> Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	
<b>11:30 – 12:10</b>	<b>Invited Lecture: Presentation from Nuclear Waste Management Organization (NWMO)</b> <b>Dr. Peter Keech</b> Nuclear Waste Management Organization, Toronto, ON, Canada	
<b>12:10 – 13:10</b>	<b>Lunch - Provided</b>	
<b>13:10 – 13:30</b>	<b>Effect of pH and Temperature on Oxide Formation on Alloy 800 Under Gamma Radiation</b> <b>Mojtaba Momeni</b> Department of Chemistry, Western University, London, ON, Canada	<b>Dan Tapp</b>
<b>13:30 – 13:50</b>	<b>Dealloying Behaviour of Alloy 800 and Fe-Ni/Fe-Cr-Ni odel Alloys Investigated with Respect to Stress-Corrosion Cracking in High Temperature Caustic Solutions</b> <b>Mariusz Bryk</b> Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	
<b>13:50 – 14:10</b>	<b>Crevice Corrosion on Carbon Steel at Neutral pH</b> <b>Dan Guo</b> Department of Chemistry, Western University, London, ON, Canada	
<b>14:10 – 14:30</b>	<b>Coffee Break</b>	
<b>14:30 – 14:50</b>	<b>The Effect of Processing Parameters in the Corrosion Resistance of Plasma Electrolytic Oxidation (PEO) Coatings on Magnesium Alloys</b> <b>Yuri Savguira</b> Department of Chemical Engineering & Applied Chemistry, University of Toronto, Toronto, ON, Canada	<b>Michael Wu</b>
<b>14:50 – 15:10</b>	<b>Effect of Microstructure and Grain Boundary Chemistry on the Corrosion Performance of AA 7050</b> <b>Darren Feenstra</b> Department of Materials Science and Engineering, McMaster University, Hamilton, ON, Canada	
<b>15:10 – 15:30</b>	<b>Closing Remarks</b>	
<b>15:30</b>	<b>Tour of The Ontario Centre for Characterization of Advanced Materials (OCCAM)</b>	