



September 23rd 2024, Location CNL				
Time	Presentation Topic		Location/ Distance	Session Chair
<b>Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at <u>2:45pm</u> - Drop off at CNL Site</b>				
15:30	Chemistry Course Guests Arrival			
15:50	16:00	Welcome & Safety Introduction	CRL Science Collaboration Centre Auditorium	Nicolas Huin
16:00	18:00	Chemistry Course		Dr. Pam yakabuskie & Dr. Olga Palazhchenko
<b>Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at <u>5:15pm</u> - Drop off at CNL Site</b>				
<b>Shuttle Bus pick up Chemistry Course Members at Science Collaboration Centre at <u>6:15pm</u> - Drop off at Minwamon Building</b>				
18:00	Registration Reception Guests Arrival			
<b>Second Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at <u>6:30pm</u> - Drop off at CNL Site</b>				
18:00	20:00	Reception	Minwamon Building (Outside the CNL Gates)	
<b>Shuttle Bus pick up from CNL Site at <u>8:00pm (ish)</u> - Drop off at TownePlace Suites Petawawa Hotel</b>				

September 24th 2024, Location CNL							
Time	Speakers Time	Presentation		Speakers	Speakers Presentation Topics	Location/ Distance	
<b>Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at 7:00am - Drop off at CNL Site</b>							
<b>7:30</b>		<b>Arrival at CNL Front Gate</b>					
<b>8:00</b>		<b>9:00</b>		<b>Breakfast</b>			
8:40	10:10	8:40	9:00	Plenary 1	Welcome: Mohammadreza Baghbanan		CRL Science Collaboration Centre Auditorium
		9:00	9:15		<b>Darren Radford</b>		
		9:15	9:30		<b>Mark Knutson</b>		
		9:30	9:45		<b>Ian Thompson</b>		
		9:45	10:10		Panel Discussion		
<b>10:10</b>		<b>10:40</b>		<b>Break</b>			
10:40	12:00	10:40	11:00	Reactor Components Part 1	Jared Smith	EPRI Materials Degradation Matrix and Issue Management Tables for CANDU Reactors	CRL Science Collaboration Centre Auditorium
		11:00	11:20		Mitchell A. Mattucci	Characterization of the NRU G-16 Fast Neutron Cup (Type 304 SS) Exposed to CANDU Relevant Irradiation Conditions	
		11:20	11:40		Ming Li	An Evaluation of CANDU Feeder Grayloc Lithium Deposit Inspection, Cleaning History and Effect	
		11:40	12:00		Adil Shaik	Nanoscale characterization of the oxide layer formed on Zr-2.5Nb alloy: Interplay between Nanoporosity, Nb speciation and deuterium pick up	
<b>12:00</b>		<b>13:15</b>		<b>Lunch Break</b>			
13:15	14:35	13:15	13:35	Reactor Components Part 2	Ryan Mathews	The effects of irradiation on the Calandria Vessel Stainless Steel – considerations for long term operation	CRL Science Collaboration Centre Auditorium
		13:35	13:55		Jared Smith	The Mitigation of Stress Corrosion Cracking in CANDU Reator Calandria Relief Ducts	
		13:55	14:15		Anantheshwara Kommunje	Microstructural Evolution of Ex-Service Inconel X-750 CANDU Spacers	
		14:15	14:35		Jonathan Bartley	Modal Vibration Analysis of CANDU Fuel Channel Assemblies for Informing Interpretations of Noise Analysis on In-Core Flux Detector Signals	
<b>14:35</b>		<b>15:00</b>		<b>Break</b>			
15:00	16:00	15:00	15:20	Reactor Components Part 3	Emilija Ilijevska	Bruce Power MCR Positioning Assembly Threaded Insert Testing	CRL Science Collaboration Centre Auditorium
		15:20	15:40		Qiang Wang	Microstructural Characterization of 403SS End Fitting Material in CANDU	
		15:40	16:00		Youqing Shi	Determination of Transmuted Helium in Nuclear Reactor Materials	
<b>Shuttle Bus pick up from CNL Site at 4:00pm (ish) - Drop off at TownePlace Suites Petawawa Hotel</b>							

September 25th 2024, Location CNL							
Time	Speakers Time	Presentation Topic		Speakers	Speakers Presentation Topic	Location/ Distance	
<b>Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at 7:15am - Drop off at CNL Site</b>							
<b>7:45</b>		<b>Arrival at CNL Front Gate</b>					
8:00		9:00		<b>Breakfast</b>			
8:40	10:00	8:40	9:00	Steam Generator Part 1	Victor Udochukwu Okoro	A mechanistic study on sulfur-induced stress corrosion cracking (SCC) of Ni and Fe-based alloys in acid sulfate environments	CRL Science Collaboration Centre Auditorium
		9:00	9:20		Jagan Ulaganathan	Evaluation of the role of type of expansion on hideout susceptibility of top-of-tubesheet transition	
		9:20	9:40		Anne McLellan	Effect of Flow-Induced Excitation Characteristics on the Fretting Wear Behaviour of Steam Generator Tubes	
		9:40	10:00		Rosita Mousavi	Degradation of Carbon Steel Primary Moisture Separators by Flow Accelerated Corrosion	
10:00		10:30		<b>Coffee Break</b>			
10:30	11:50	10:30	10:50	Steam Generator Part 2	Razieh Mohammadrezaei Larki	Pb-induced Stress Corrosion Cracking Susceptibility of Ni-and Fe-based Alloys in Mildly Caustic Environment at High Temperature	CRL Science Collaboration Centre Auditorium
		10:50	11:10		Nicolas Huin	Evaluation of crack initiation and propagation mechanism of alloy 690 in realistic mildly acidic secondary side environment	
		11:00	11:30		Desmond Williams	Dealloying and Intergranular Attack of Monel 400 in Nuclear Steam Generators	
		11:30	11:50		Marc Kreider	Steam Generator Water Level Instability at Pickering 8: Detection, Mitigation, and Industry Context	



September 25th 2024, Location CNL							
Time		Speakers Time		Presentation Topic	Speakers	Speakers Presentation Topic	Location/ Distance
11:50		13:05		<b>Lunch</b>			
13:05	13:45	13:05	13:25	Steam Generator Part 3	Jagan Ulaganathan	Studying Film-Forming Amine Behavior under Water-Steam Cycle Conditions using a Recirculating Loop	CRL Science Collaboration Centre Auditorium
		13:25	13:45		Samuel Ng	Bruce Power Steam Generator OPEX Unit 1 and Unit 8	
13:45	14:25	13:45	14:05	Fitness For Service/ Inspection Part 1	Reza Ghafouri	Practical Engineering Approaches to address Nuclear Power Plant Operational Challenges and Fitness-For-Service	CRL Science Collaboration Centre Auditorium
		14:05	14:25		Eli Simova	Methods for localising leaks from Primary Heat Transport System at the CANDU reactor face	
14:25		14:50		<b>Coffee Break</b>			
14:50	16:10	14:50	15:10	Fitness For Service/ Inspection Part 2	Holger Damies	Mini-SUSI – Small Size Submarine Inspection System	CRL Science Collaboration Centre Auditorium
		15:10	15:30		Holger Damies	In-Pipe Crawler for a Wide Range of Pipe ID	
		15:30	15:50		Rosita Mousavi	Impact of the primary side magnetite morphology post mechanical cleaning on inspectability of steam generator tubes by nondestructive techniques	
		15:50	16:10		Joseph Turnbull	OPEX from the Historical Analysis of Graphitic Corrosion of Cast Iron Materials at Canadian Nuclear Laboratories	
<b>Shuttle Bus pick up from CNL Site at <u>4:15pm (ish)</u> - Drop off at TownePlace Suites Petawawa Hotel</b>							

Time		The Farmstead Banquet 7pm-11pm	Location	Distance
<b>Bus pick up from TownePlace Suites Petawawa Hotel at <u>6:30pm</u> - Drop off at the Farmstead Venue</b>				
19:00	23:00	The Farmstead Banquet 7pm-11pm	The Farmstead: 530 Drive-in Rd, Pembroke, ON K8A 6W4	
First Bus Pick up at the Farmstead at <u>8:00pm</u> - Drop off at TownPlace Suites Petawawa Hotel				
Second Bus Pick up at the Farmstead at <u>9:00pm</u> - Drop off at TownPlace Suites Petawawa Hotel				
Third Bus Pick up at the Farmstead at <u>10:00pm</u> - Drop off at TownPlace Suites Petawawa Hotel				
<b>Last Bus pick up from the Farmstead at <u>11:00pm</u> - Drop off at TownePlace Suites Petawawa Hotel</b>				

September 26th 2024, Location CNL						
Time	Speakers Time	Presentation Topic	Speakers	Speakers Presentation Topics	Location/ Distance	
<b>Shuttle Bus pick up from TownePlace Suites Petawawa Hotel at 7:15am - Drop off at CNL Site</b>						
<b>7:45</b>		<b>Arrival at CNL Front Gate</b>				
8:00		9:00		<b>Breakfest</b>		
8:40	10:00	8:40	9:00	John G. Roberts	<a href="#">Cleanliness next to Godliness?</a>	CRL Science Collaboration Centre Auditorium
		9:00	9:20	Priya Sharma	<a href="#">Development of micro-extraction strategies for plutonium quantification in nuclear, environmental, and biological samples</a>	
		9:20	9:40	Michelle Ireland	<a href="#">Additive Manufacturing of a 17-4 PH Manifold</a>	
		9:40	10:00	Olga Palazhchenko	<a href="#">Deep Geological Repository Groundwater Leak Tests with Additively Manufactured SMR Fuel Cladding</a>	
10:00		10:30		<b>Coffee Break</b>		
10:30	11:30	10:30	10:50	Cassidy Perry	<a href="#">Modernization of a Radioactivity Transport Code to Support the CANDU Industry</a>	CRL Science Collaboration Centre Auditorium
		10:50	11:10	Sara Filice	<a href="#">Forensic Examination of Type 304 Welded T Junctions</a>	
		11:10	11:30	Sebastien Teysseyre	<a href="#">Additive manufacturing of reactor toolings</a>	
11:30		12:00		Closing & Student Prizes		CRL Science Collaboration Centre Auditorium
12:00		12:30		<b>Lunch Boxes</b>		
<b>Shuttle Bus pick up from CNL Site at 12:45pm (ish) - Drop off at TownePlace Suites Petawawa Hotel</b>						
12:45	15:00	CNL TOUR- 49 Attendees			2 HOURS	
<b>LAST Shuttle Bus pick up from CNL Site at 3:00pm (ish) - Drop off at TownePlace Suites Petawawa Hotel</b>						