



# DIET 2024

Fifth Annual Conference on  
Disruptive, Innovative, and Emerging Technologies  
In the Nuclear Industry

November 27th-29th. Toronto, Ontario



Program Sponsor: **BrucePower™**  
Innovation at work

Start Time	End Time	November 27th Program	
8:00 AM	9:00 AM	<b>Speakers Breakfast</b> Located in Courtyard Hall	<b>Delegates Breakfast</b> Located in Courtyard Hall
9:00 AM	9:15 AM	<b>Conference Welcome and Kickoff</b> Located in Courtyard Hall	<b>Jennifer Wong, and Daniel Foster-Roman</b>
			<b>Derek Mullin, NB Power</b>
9:15 AM	9:45 AM	<b>Opening Keynote Speaker</b> Located in Courtyard Hall	<b>Laurent Boinot, Microsoft</b>
9:45 AM	10:45 AM	<b>Plenary Session One: Talk Nuclear to Me</b>  Chatbots are changing the way we work. See them in action along with considerations to ensure they are safe and accurate!  Located in Courtyard Hall	Moderator: <b>Kelly Curtis, COG</b>
			<b>Somayaji Ayalasomayajula, NPX</b>
			<b>Gabe Aversano, Kinectrics</b>
			<b>Tejas Vyas, Durham College</b>
			<b>Mishca De Costa, OPG</b>
10:45 AM	11:00 AM	Coffee Break	
11:00 AM	12:00 PM	<b>Plenary Session Two: Workforce of the Future</b>  This fireside chat will allow experts to discuss how to prepare and inspire future generations, promote continuous skill development in response to rapid digital change, and retain crucial knowledge as seasoned professionals retire.  Located in Courtyard Hall	Moderator: <b>Rachel Sumner, Talent</b>
			<b>Adam Renkosinki, Vector Institute</b>
			<b>Peter Ozemoyah, UNENE</b>
			<b>Matthew Maringer, NAYGN</b>
			<b>Margaret McBeath, NPX</b>
			<b>Roberta Reyns, OPG</b>
12:00 PM	1:30 PM	<b>Lunch and Keynote Speaker</b> Located in Courtyard Hall	<b>Rachna Clavero, CANDU</b>
1:30 PM	3:00 PM	<b>Plenary Session Three: Digital Twins</b>  Digital Twin Applications in Operations and Engineering - Potential Use Cases and Considerations for Deployment  Located in Courtyard Hall	Moderator: <b>Jennifer Wong, Accenture</b>
			<b>Logan Browning, INL</b>
			<b>Mo Movassat, OPG</b>
			<b>Patrick Desbiens, Bruce Power</b>
			<b>Fernando Muniz Simas, EXO Insights</b>
			<b>Ian Davis, X-Energy</b>
3:00 PM	3:15 PM	Coffee Break	
3:15 PM	5:00 PM	<b>Technical Tracks</b>  Located in Alexander B, C and Courtyard Hall	
5:00 PM	6:00 PM	<b>Exhibitor Hour</b> Spadina Foyer	
6:00 PM	7:30 PM	<b>Reception</b>  Located in Courtyard Hall and Courtyard Foyer	



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Start Time	End Time	November 28th Program	
7:30 AM	8:30 AM	<b>Speakers Breakfast</b> Located in Courtyard Hall	<b>Delegates Breakfast</b> Located in Courtyard Hall
8:30 AM	9:00 AM	<b>Opening Keynote Speaker</b> Located in Courtyard Hall	<b>Ron Boring, INL</b>
9:00 AM	10:15 AM	<b>Plenary Session Four: Digital Transformation Strategy</b>  This fireside chat will explore the migration from traditional methods to efficient digital solutions. The focus will be on how this shift enhances efficiency, safety, and decision-making.  Located in Courtyard Hall	Moderator: <b>Michael Thibodeau</b> , Microsoft
			<b>Mohammad Mansoor</b> , Ennoble AI
			<b>Suo Chatterjee</b> , PwC
			<b>Domenic Maggi</b> , Travel Brands
			<b>Randy Fehr</b> , Bruce Power
			<b>Ryan Tessier</b> , Sask Energy
10:15 AM	10:45 AM	Coffee Break	
10:45 AM	12:00 PM	<b>Plenary Session Five: AI and Advanced Analytics</b>  From unlocking the power of nuclear fusion to optimizing business operations, experts will explore how AI and Advanced Analytics are transforming the industry landscape.  Located in Courtyard Hall	Moderator: <b>Jenell Hogg</b> , OPG
			<b>Daniel Foster-Roman</b> , Seeq
			<b>Ross Allen</b> , DigiLab
			<b>Sase Narayan</b> , Bruce Power
			<b>Aza Jalalvand</b> , Princeton
12:00 PM	1:30 PM	<b>Lunch with Keynote Speaker</b> Located in Courtyard Hall	<b>Natalie Arthurs</b> , Durham College
1:30 PM	5:00 PM	<b>Technical Tracks</b> Located in Alexander B and Courtyard Hall	<b>Large Language Models with Ollama Workshop</b> Located in Alexander C
5:00 PM	6:00 PM	<b>Student Poster Competition</b> Located in Courtyard Hall	
6:00 PM	8:00 PM	<b>Networking Event with Students and Attendees</b> Located in Courtyard Hall	

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7:30 AM	8:30 AM	<b>Speakers Breakfast</b> Located in Courtyard Hall	<b>Delegates Breakfast</b> Located in Courtyard Hall
8:30 AM	9:00 AM	<b>Opening Keynote Speakers</b> Located in Courtyard Hall	<b>Peter Elder, CNL</b>
9:00 AM	11:00 AM	<b>Technical Tracks</b> Located in Alexander B and Courtyard Hall	<b>AI Safety and Critical Process Workshop</b> Located in Alexander C
11:00 AM	12:45 PM	<b>Lunch with Keynote Speaker</b> Located in Courtyard Hall	<b>Stephanie Smith, AtkinsRealis</b>
12:00 AM	2:00 PM	<b>Plenary Session Six: NextGen Nuclear: Space</b>  Shooting for the stars - a discussion on the promises of the next Space Age and the innovative technologies that will get us there.  Located in Courtyard Hall	Moderator: <b>Nazgol Shahbandi, OPG</b>
			<b>Daniel Sax, Canadian Space Mining Agency</b>
			<b>Rinat Rashapov, Canadian Space Agency</b>
			<b>Justin Spencer, CNL</b>
			<b>Devan Wagner, MDA Space</b>
2:00 PM	2:15 PM	Coffee Break	
2:15 PM	4:15 PM	<b>Plenary Session Seven: International Trends, Perspectives, and Thought Leadership</b>  Find out how regulators and others are cooperating on DIET internationally, plans they have for future collaboration and how you can be a part of it.  Located in Courtyard Hall	<b>David Smeatham, Office for Nuclear Regulation</b>
			<b>Vivek Agarwal, INL</b>
			Moderator: <b>Robin Manley, Paradymshyft Nuclear Advisory Ltd</b>
			<b>Ed Bradley, IAEA</b>
			<b>Tom Eagleton, Office for Nuclear Regulation (UK)</b>
			<b>Kevin Lee, CNSC</b>
			<b>Luis Bettancourt, NRC</b>
<b>Emma Wong, EPRI</b>			
4:15 PM	5:00 PM	<b>Conference Closing</b> Located in Courtyard Hall	