



# Direct Lithium Extraction Conference and Exhibition 2025

October 08-09, 2025 | Montreal, Quebec

## Sponsors and Media Partners :



## About the Conference

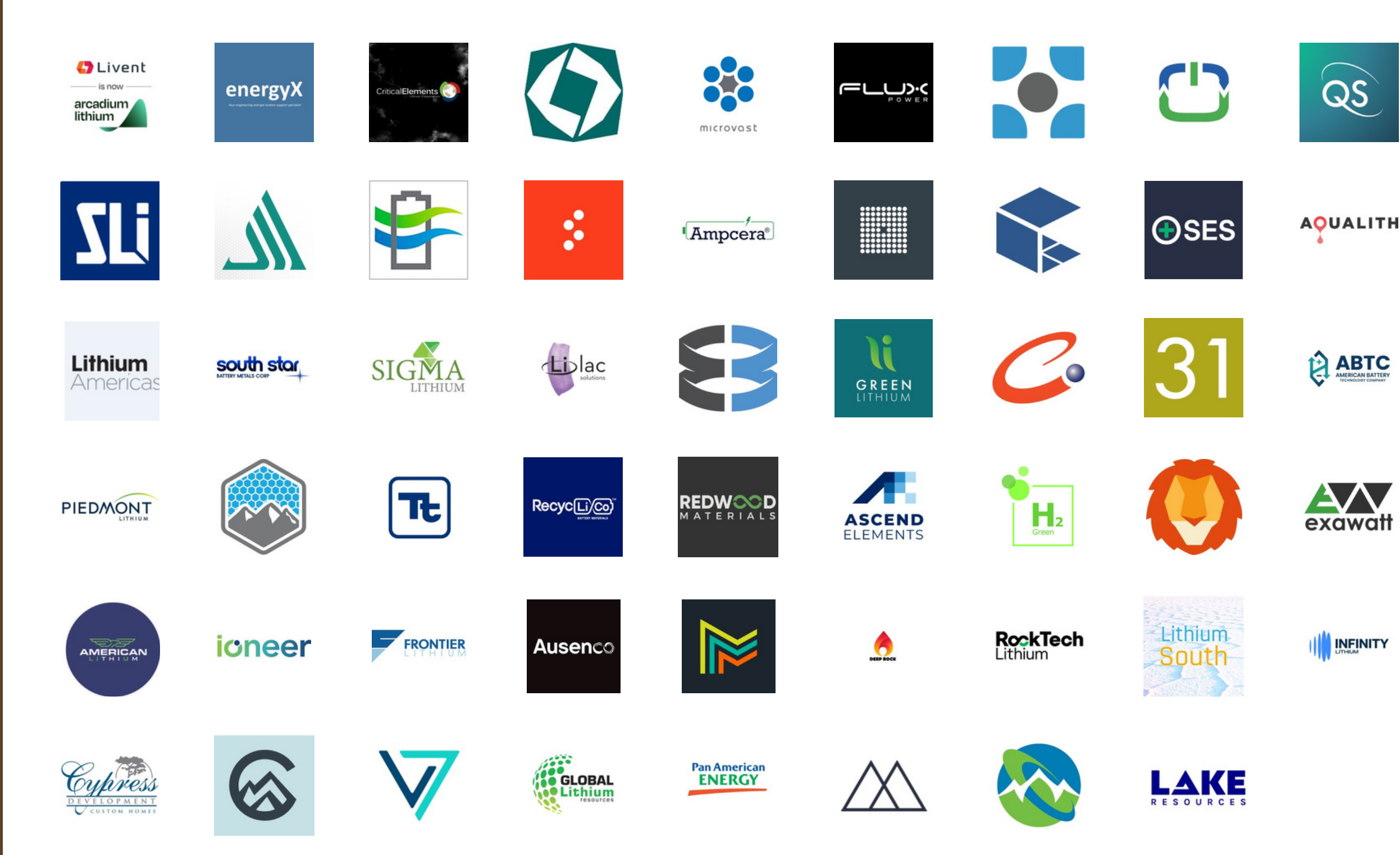
The Direct Lithium Extraction Conference and Exhibition 2025, taking place on August 11-12, in Montreal, Quebec, is a leading event focused on the latest advancements and challenges in lithium extraction. As global demand for lithium-ion batteries rises, the conference will bring together experts and industry leaders to explore cutting-edge direct lithium extraction (DLE) technologies, environmental impacts, and strategies for scaling operations. Attendees will gain insights into the future of lithium production and its critical role in energy storage and electric vehicles.

With a mix of keynote presentations, technical sessions, and exhibitions, the event offers valuable opportunities for networking and learning. Industry professionals and newcomers alike will explore innovations and solutions that support sustainable and efficient lithium extraction, positioning this event as a key gathering for those committed to shaping the future of energy.

## Conference Theme/Key topics

- Next-Generation Direct Lithium Extraction Technologies
  - Scaling Lithium Production to Meet Global Demand
  - Regulatory Frameworks and Compliance for DLE Projects
  - Collaboration and Partnerships for Lithium Supply Chain Resilience
  - Circular Economy and Recycling of Lithium
- Sustainability and Environmental Impact of Lithium Extraction
  - Economic Viability and Market Dynamics of Lithium Production
  - Lithium Extraction for Battery Technology Innovation
  - Data and Digitalization in Lithium Extraction Operations
  - Energy and Water Management in Lithium Extraction

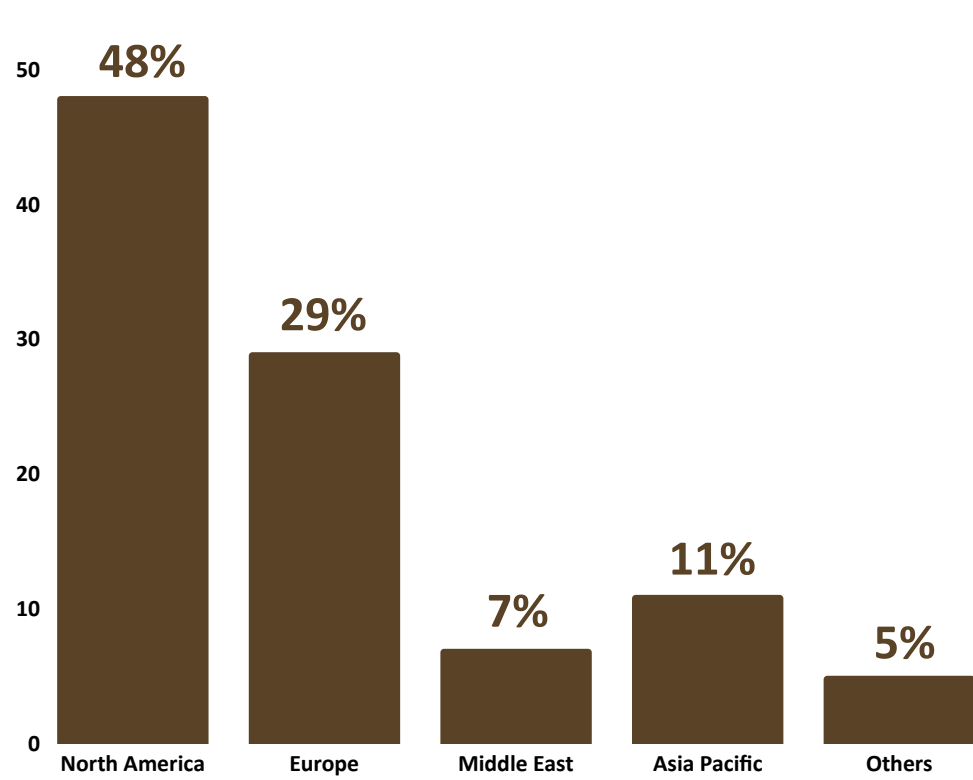
Among our regular attendees



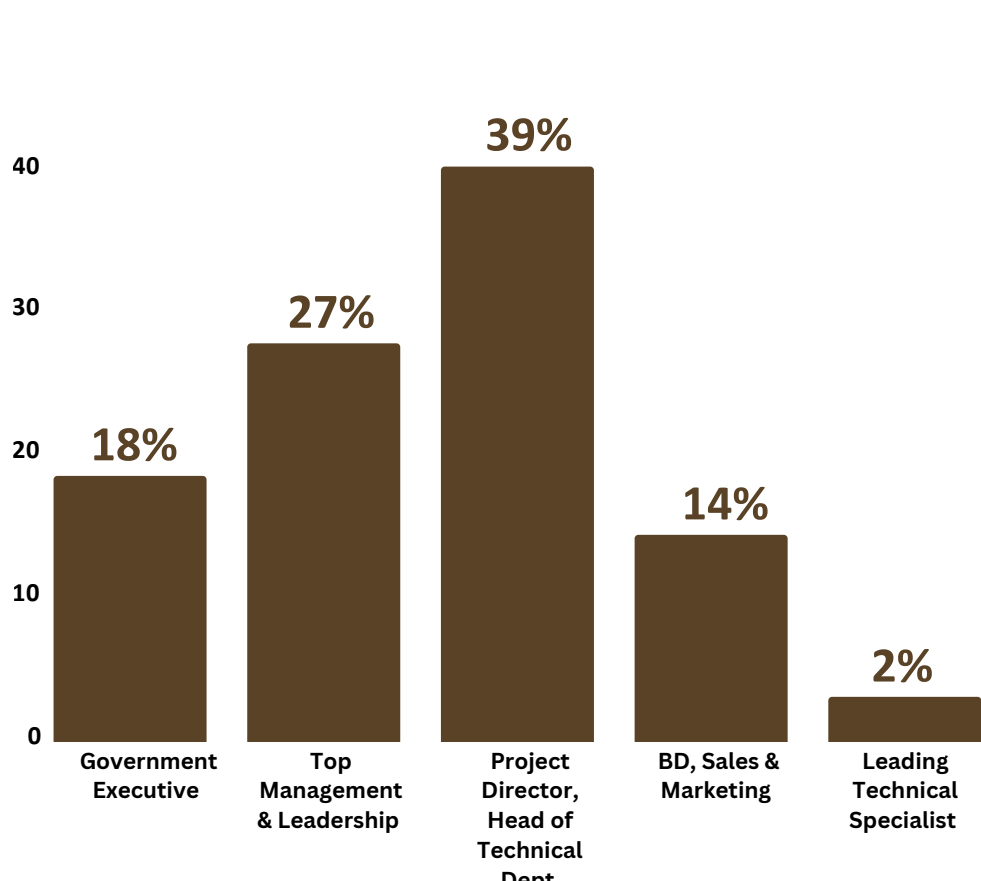
## Conference in Numbers



### Attendee Demographics



### Attendee Job Profiles



## Speaking Opportunities

### Speaking Session

30 minutes session includes 5 min of Q&A's

- Live Sessions in-front of delegates
- 25 minutes session includes 5 min of Q&A's
- Session should be based on conference theme/ key topics only

USD \$799

Note: All prices are exclusive of taxes, etc.

\*Please note that the speaker package will be available only after the production team has approved the proposed topic.

## Attendees at the conference


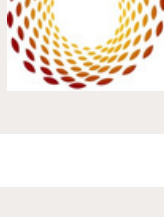

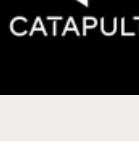


## Gala lunch and drinks reception





Day 1 | October 8, 2025

08:00 - 08:45	Registration & Networking Breakfast	
08:45 - 09:00	Opening Remarks	
15:00 – 15:30	Reserved Presentation Slot <ul style="list-style-type: none"><li>Reserved for Sponsors</li></ul>	
09:30 - 10:30	<b>IBAT MDLE: Proven and Sustainable Lithium Extraction at Scale</b> <ul style="list-style-type: none"><li>First commercial-scale DLE facility in North America, delivering high-purity lithium chloride using a modular, scalable design.</li><li>Proprietary chemical-free technology achieves up to 95% lithium recovery and 99.9% purity with 99% water recycling.</li><li>Faster, lower-cost, and more sustainable than pilot-stage alternatives—IBAT is leading the shift to full-scale DLE deployment.</li></ul> Joe Mills IBAT	
10:00 – 10:30	<b>Can high-throughput testing accelerate the development of DLE processes?</b> <ul style="list-style-type: none"><li>Adapting high throughput testing from pharma to DLE for faster, scalable development of lithium extraction processes.</li><li>Enables parallel testing of solid materials like ion exchange resins and adsorbents under varied conditions.</li><li>Accelerates selection and optimization of the most effective and efficient DLE technologies.</li></ul> Rudolf Wessels Avantium R&D Solutions	
10:30 – 11:00	Networking Coffee Break	
11:00 – 11:30	<b>From Pilot to Production: Scaling DLE for Canada’s Lithium Boom</b> <ul style="list-style-type: none"><li>Exploring key challenges in transitioning from pilot projects to full-scale lithium production.</li><li>Infrastructure, capital, and technology requirements for commercial deployment in Canada.</li><li>Case studies and lessons learned from early-stage projects across North America.</li></ul>	
11:30 – 12:00	<b>Regulations, Water, and ESG: Can DLE Stay Ahead?</b> <ul style="list-style-type: none"><li>Understanding Canada’s evolving regulatory framework for lithium extraction and water use.</li><li>Balancing ESG goals with operational demands in Direct Lithium Extraction.</li><li>How DLE technologies can adapt to meet stricter environmental and social standards.</li></ul>	
12:00 – 13:30	Networking and Lunch Break	
13:30 – 14:00	<b>Data Driven Digital Transformation - Powering Upstream Lithium Extraction Operations Use Cases</b> <ul style="list-style-type: none"><li>Harnessing MQTT and UNS protocols to drive real-time data flow in lithium extraction operations.</li><li>Boosting efficiency, adaptability, and sustainability through data-driven digital transformation.</li><li>Enabling smarter, scalable operations to meet the rising demand for lithium-ion battery materials.</li></ul> Ravishankar Subramanyan HiveMQ	
14:00 – 14:30	<b>Next-Gen DLE: Materials and AI for Smarter Lithium Recovery</b> <ul style="list-style-type: none"><li>Advancements in novel sorbents, membranes, and adsorbents enabling more efficient extraction.</li><li>Integrating AI and data analytics to optimize recovery rates and reduce energy consumption.</li><li>Outlook on the future of intelligent, adaptive DLE systems.</li></ul>	
14:30 – 15:00	Networking Coffee Break	
15:00 – 15:30	Reserved Presentation Slot <ul style="list-style-type: none"><li>Reserved for Sponsors</li></ul>	
15:30 – 16:00	<b>Use of Satellite Data to Map Chemical Leaching into the Local Environment</b> <ul style="list-style-type: none"><li>Present a case study of a project that used multispectral earth observation data to identify chemicals from tailings found in the wider environment including local water sources</li><li>How this data was digitally mapped onto the landscape so you can ‘fly’ virtually around the local environment to understand the mining infrastructure and waste sites, plus any instances of failure and presence of chemicals</li><li>Adding on additional mapping capabilities related to health of vegetation and crops, plus historical analysis of how mining has affected the local area over time</li><li>How this is applicable to mining operators, investors and regulators as a single version of the truth in remote locations</li></ul> Tim Hall Satellite Applications Catapult	
16:00 – 16:15	Closing Remarks for Day 1	
16:15 – 17:15	Networking and Drinks Reception	
	End of Day 1	

Day 2 | October 9, 2025

08:00 – 08:45	Breakfast and Refreshments	
08:45 – 09:00	Keynote Address	
09:00 - 09:30	<b>The Matrix Matters: The Impact of Water Composition on DLE Efficiency</b> <ul style="list-style-type: none"><li>Water Matrix Impact: Ions like calcium and magnesium affect lithium extraction efficiency.</li><li>Real-Time Monitoring: Essential for managing matrix-related challenges in DLE.</li><li>Field Trials: Show improved efficiency and sustainability with continuous monitoring.</li><li>Sensor Tech: Drives advancements in sustainable lithium extraction.</li></ul> Anthea Sargeaunt 2S Water	
09:30 – 10:30	Reserved Presentation Slot <ul style="list-style-type: none"><li>Reserved for Sponsors</li></ul>	
10:30 – 11:00	Networking Coffee Break	
11:00 – 11:30	<b>Applying 50 years of Petrochemistry technology &amp; adsorbent know-how to Direct Lithium Extraction</b> <ul style="list-style-type: none"><li>Leveraging 50+ years of petrochemical expertise in adsorbents and separation technologies for DLE applications.</li><li>Applying Simulated Moving Bed (SMB) technology to enhance lithium recovery and reduce operating costs.</li><li>Adapting proven solutions to diverse brine sources—including solar, geothermal, and oil &amp; gas—to improve DLE project economics.</li></ul> Tom Frising Axens	
11:30 – 12:00	<b>Navigating the Future of Sustainable Lithium Production: Balancing Innovation with Environmental Stewardship</b> <ul style="list-style-type: none"><li>Exploring how DLE technologies are reshaping lithium production with a focus on sustainability.</li><li>Balancing efficiency and environmental impact to meet growing global lithium demand.</li><li>Highlighting strategies for water conservation and energy optimization in modern extraction methods.</li></ul> Didier Rault World Mining Investment	
12:00 – 13:00	Lunch Break & Exhibition Tour	
13:00 – 13:30	Reserved Presentation Slot <ul style="list-style-type: none"><li>Reserved for Sponsors</li></ul>	
13:30 - 14:00	<b>Lithium prices, supply &amp; demand in North America</b> <ul style="list-style-type: none"><li>Analyzing lithium supply and demand trends in the rapidly evolving North American market.</li><li>Examining how market dynamics and policy shifts are influencing lithium pricing.</li><li>Insights from Fastmarkets' localized pricing data, including new U.S. and Canada benchmarks launched in 2023</li></ul> Yasemin Esmen Fastmarkets	
14:00 - 14:30	Networking Coffee Break	
14:30 – 15:00	<b>Lithium-Selective Membranes: A Low-Cost, Chemical-Free Solution for Lithium Purification</b> <ul style="list-style-type: none"><li>Utilizes lithium-selective membranes for electrodialytic concentration and purification from dilute aqueous solutions.</li><li>Low CAPEX and OPEX design, with a compact, skid-mounted system for easy deployment.</li><li>Chemical-free process, offering a cleaner and more sustainable alternative for lithium recovery.</li></ul> Yong Gao Southern Illinois University	
15:00 – 15:15	Closing Remarks & Farewell	
15:15 – 16: 15	Networking and Drinks Reception	
	End of Day 2	



Delegate Pass Includes Following:

- All-Inclusive Accessibility to Conferences
- Exclusive Opportunity to Network with Field Veterans
- Accessibility to Online Handpick Presentation Materials
- Private Gala Lunch and Drinks Reception

Early Bird (Exclusive of taxes, etc.)	USD \$699
Regular Pass (Exclusive of taxes, etc.)	USD \$1199
Group Pass (Group of 5 delegates)	USD \$1699

Sponsors & Media Partners



Sponsor and Exhibitor Packages

	Bronze Package	Silver Package	Gold Package	Platinum Package
	\$1299 \$1799	\$2799 \$4599	\$3799 \$6599	\$5799 \$9599
Conference Delegate Pass	1	2	3	4
Full Conference Access (Includes Luncheon, Drinks Reception, Post-event Attendee List)	✓	✓	✓	✓
Company Logo on the Conference Website	✓	✓	✓	✓
Invitation for Additional Guest at Discount:	15%	20%	25%	30%
Logo on the Opening Slides at the Event	✓	✓	✓	✓
Company Weblink & Description with Sponsorship Level on the Event Website	✓	✓	✓	✓
Premium Exhibition Space (Includes Tables & Chairs) 10ft X 20ft		✓	✓	✓
Branding on Promotional Conference Materials (Logo on Signage, Holding Slides, etc)			✓	✓
Sponsorship Level Announcement on Social Media Channels (LinkedIn, Instagram, Twitter)			✓	✓
Event Newsletter (Press Release & Email Blast Announcement as a Sponsor)				✓
30 Minutes Speaking Slot (Subject to Approval by Committee)				✓
Chairmanship of a Session (Scripted)				✓

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About Organizer

Meta-Tech Events is a leading global organizer of B2B conferences and exhibitions, specializing in industries driving technological advancements and environmental sustainability. With a commitment to fostering knowledge exchange and business opportunities, Meta-Tech Events curates high-quality, impactful events that bring together industry leaders, innovators, and professionals from around the world. Our portfolio includes conferences in cutting-edge sectors such as carbon capture, AI, automation, and renewable energy, with a focus on delivering insightful sessions, networking opportunities, and market trends to enhance industry growth.

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