



Shmuel De-Leon Energy - Battery Weekly Newsletter

June 2, 2023, No. 700

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Virtual Battery Trainings

6-9/6/2023 Battery Virtual Seminar (6 hours - 3 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and registration](#)

Li-Ion Cells Manufacturing Virtual Seminar - 18-19/7/2023 - [Program and registration](#)

EV & ESS High Voltage Battery Pack Design Virtual Seminar - 17-19/10/2023 - [Program and registration](#)

Frontal Battery Training

[September 8th, 2023 - 1st Battery Safety, Storage, and Transportation Hands-On Seminar, Waxahachie, TX, USA - program & registration](#)

TBD - 11st Li-Ion Cells Manufacturing Seminar nRochester, NY, USA - [program & registration](#)

Special Offers

Shmuel De-Leon Energy support customer with Li-Ion cells supply problems via our Far East cell suppliers - Join our cells customers group and get a weekly update with cells allocations and offers. send us request to be added to our cells customers group.

[Shmuel De-Leon Energy provides an on-demand purchasing services for cells and batteries from all chemistries and vendors](#)

[Shmuel De-Leon Energy provide a new Battery Daily News Service - Sign up fr free 30 days trial](#)

Batteries and Super Capacitors news

[Webasto presented EV batteries, thermal solutions at Battery Show Europe 2023](#)

[Amprius High-Density Batteries Go Aloft](#)

[DOE issues battery manufacturing Lab Call for solid-state and flow battery manufacturing](#)

[General Motors secures funding for \\$600M battery plant in Quebec](#)

[UKBIC backs £36m battery scale up line](#)

[Stellantis invests in Lyten's breakthrough lithium-sulfur EV battery technology](#)

[Hyundai, LG to build \\$4.3B battery plant near Savannah](#)



[TWAICE battery simulation models](#)

TWAICE's coupled electric-thermal-aging battery simulation models serve engineers during battery system development. Model types are based on lab parametrization, cell data sheets or TWAICE's extensive database of battery parameters. Cutting edge features include modeling of swelling force, OCV aging and degradation modes. Interested in being at the forefront of battery development and working with our expert team? [Get a demo](#).

[New Sandvik battery boosts BEV runtime by 36%](#)

[Indonesia, UK discuss investment for electric battery development](#)

[Lithium Battery Anode Material Prices Inch Lower](#)

[Battery, Automobile Industries Competing to Take Lead in Battery Packs](#)

[Great Wall plans \\$30m local battery venture](#)



Battery Analysis Software from [Micantis](#) provides the most secure, efficient and responsive way to understand batteries so that you can quickly make effective decisions for your business. Your customers get better technology, you get lower risk. Get started with state of the art artificial intelligence for up to 10 times less than Voltaiq, contact us to learn how.

[Ola Electric Battery Cell Gigafactory construction begins; promises to be india's largest](#)

[Ganfeng Lithium has announced mass production of solid-state batteries](#)

[Zeta Energy Demonstrates Production of Lithium-Sulfur Batteries using Dry Process](#)



With a multi-million-dollar battery inventory and unparalleled advanced engineering and production capabilities, [Sager Electronics](#)' team of battery experts designs and produces custom portable power solutions that meet the most exacting specification and performance requirements.

[AEHRA and Miba Battery Systems Forge Partnership to Develop Cutting-Edge EV Battery Technology](#)

[Joint venture of TotalEnergies and auto giants opens battery factory in France](#)

[Battery supply chain: Semcorp set to open 1st factory beyond China](#)

[Li-S Energy Achieves 45% Increase in Volumetric Energy Density With New Semi-Solid State Lithium Sulfur Battery](#)

[Norwegian battery start-up Freyr demands subsidies to complete factory](#)

[Project looks to new type of lithium air battery cell](#)

Battery Materials news

[AMG Lithium and Fortum Battery Recycling Oy Sign MoU for Supply of Recycled Lithium Hydroxide](#)

[Government to pump \\$227 million into EV batteries, materials](#)

[Spray-coated electrodes could create greener, cheaper batteries](#)

[CAMX and Umicore sign non-exclusive IP licensing agreement on NMC battery technology](#)

[Canada invests CAN\\$300 million in GM-POSCO Chemicals battery materials plant](#)

[Volkswagen may build its next battery factory in Indonesia](#)

[Epsilon Advanced Materials to set up battery performance material testing facility in India](#)

[Hanwha Aerospace invests in US secondary battery startup](#)



[NEI Corporation](#) is a world leading developer and manufacturer of commercial and specialty cathode, anode, and electrolyte materials for use in lithium-ion and Sodium-ion batteries. Explore what we have to offer.

[SAIC Motor to Hike Investment in Chinese Solid-State Battery Startup Qingtao Energy](#)

[POSCO International enters battery materials business](#)

[Adianano: Improving the efficiency of lithium-ion battery production](#)

[China's Yunnan Energy Becomes Separator Supplier to Toyota-Panasonic Battery JV](#)

[Ford continues its battery metals acquisition drive](#)

Chargers & BMS News

Grid Storage Batteries News

[Tesla is ramping up production of its battery 'Megapacks,' which could provide power to hundreds of thousands of homes](#)

[Form Energy Breaks Ground on \\$760M Battery Plant](#)

[Jinguan Electric to Build Solar Energy Storage, EV Battery Swap Stations for Russia-Iran Road; Shares Jump 10%](#)



[InterBattery](#), Asia's No.1 Battery Exhibition, is now expanding across the world to provide further opportunities to world battery companies by launching its first European edition in Munich, Germany in June, 2023.

InterBattery Europe is taking place within The Smarter E Europe to provide various programs for practical solutions and business development and as well as opportunities to gain the latest trends and insights for the entire battery industry value chain in one place, at one time.

Connect with the global leaders of the battery industry, including Samsung SDI, LG Energy Solution and more, this June 14-16 at InterBattery Europe.

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[AABC Europe - 19-22 June 2023](#)

**Battery Electric Vehicle
Architectures USA
2023**
JUNE 20-21, 2023
LIVE IN DETROIT & ONLINE



Building on the success of our Battery Electric Vehicles Architecture events, American Business Conferences are pleased to announce Battery Electric Vehicle Architectures ([BEVA USA](#)) 2023. Our automotive conferences all aim to provide practical solutions on strategic, tactical and technical challenges, and over the years almost 10,000 automotive experts have taken away invaluable insight and formed business-critical connections.



Join us at the Gaylord National Resort & Convention Center in Maryland from June 27-30, 2023, for the [49th Power Sources Conference](#)! The Power Sources Conference is the oldest continually held biennial conference devoted to research and development of power source, energy conversion, power distribution and management technologies for military use. The conference goal is to bring Government, industry and academic researchers and developers together to discuss advances in power and energy technologies to support the growing power demands of military platforms and electronic systems. Attendees are comprised of representatives from organizations within DoD and other Government Agencies who are responsible for the design, research, development, engineering and transition of power and energy components and systems, along with industry and academic partners supporting collaborative research and manufacturing of such products. The conference features technical presentations and exhibits on the latest advances in materials, primary and rechargeable

batteries, fuel cells, and power systems while offering the opportunity network with Government researchers, academic and industrial colleagues.



[Battery Cells & System Expo 2023](#) - 28-29 June, 2023, Battery Cells & Systems Expo will bring together automotive manufacturers, electric utilities, battery system integrators, cell manufacturers and the entire manufacturing supply chain. A truly unique showcase, companies from around the world will use the show to launch products and demonstrate their technology to an audience of thousands of professionals.”



10th Workshop “Lithium-Sulfur Batteries”, July 3-4, Dresden, Germany

Details: <https://www.iws.fraunhofer.de/en/events/lithium-sulfur-batteries.html>

Lithium-sulfur batteries are envisaged to enable energy storage devices with high specific energy at low material cost. Following the success of the past years, the 10th anniversary of the Fraunhofer IWS “Lithium-Sulfur Batteries“ workshop will again bring together an international audience of renowned scientists and industry representatives who will present latest results, new materials, processes and applications in the field of Li-S batteries.



[Lithium & EV Battery Raw Material Supply Chain, Europe 2023](#) - July 5-6, 2023, , The focus of the conference is **understanding what the roadmap looks like in terms of investing in next-generation infrastructure to enable Europe to be more self-sufficient.** In terms of **mining, refining, and recycling.**



WORLD BATTERY INDUSTRY EXPO

世界电池产业博览会

August 8-10, 2023, Occupying 8 exhibition halls in China's biggest expo complex, WBE 2023 will see a record-high show space of 100,000 sq.m with over 1,000 exhibitors. More details on <http://en.battery-expo.com/>

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[Solid State Battery Summit - August 8-9, 2023](#)



Hans H. Schive from Asker, Norway together with Shmuel De-Leon Energy will organize the [5th Oslo Battery Days conference](#) in Oslo, Norway, August 21-22, 2023



September 4-5, 2023 - Welcome to the Electric Vehicles [BATTERY TECH EUROPE 2023](#) Exhibition and Conference, where electric vehicle battery technology innovators will meet with leading automotive manufacturers to explore new battery technologies and battery management systems for use in next-generation electric vehicles.

THE BATTERY SHOW

NORTH AMERICA

The highlight industry event for battery and H/EV professionals is back! **The Battery Show** and **Electric & Hybrid Vehicle Technology Expo** returns to Novi from **September 12-14, 2023**, and it's your chance to meet 750+ exhibitors showcasing the latest solutions from across the battery and EV supply chains. Registration is now live, click the link to get your free pass. Link: <https://register.thebatteryshow.com/zKVWBI>



Dry Coating Forum – Shaping the Future of Dry Battery Electrode Processing, September 12-13, Dresden, Germany Details:

<https://www.iws.fraunhofer.de/en/events/dry-coating-forum.html>

Dry battery electrode coating contributes towards greener, more efficient battery production. Toxic solvents are avoided, the equipment footprint is reduced and energy costs for the intensive drying step are omitted. It is expected that dry battery electrode coating will become the industry standard. Fraunhofer IWS launches the “Dry Coating Forum”, where material suppliers, equipment manufacturers, cell producers and end users exchange information about developments and challenges in dry coating technologies.



After a very successful 2022 event that gathered 750+ participants from the battery industry, Batteries Event goal is to keep growing and welcome nearly 1000 participants in 2023! Batteries Event is a perfect forum where all the battery industry stakeholders meet, discuss industry trends and best practices - from the battery production to its recycling - covering all aspects of the circular economy value chain. In 2023, Batteries Event will have the pleasure to welcome 140 international speakers & nearly 100 exhibitors!

Site : <https://batteriesevent.com/>

Linkedin : <https://www.linkedin.com/in/batteries-event-lyon-france-896140146/>

Twitter : @BatteriesEvent



After a very successful post-pandemic event last May, the sixth FENIBAT Expo + Conference will gather in Londrina, Brazil, the whole South American Battery industry with its suppliers from all over the world in October 2023. It will include the second FENILITIO, focused on Li-ion and all nascent chemistries. The 700 expected attendants will find a renewed FENIBAT, with more than 20 presentations and over 120 brands Exposition in a new venue, the pleasant and wide space of the Village Events Londrina. The FENIBAT + FENILITIO, the biggest battery event in Latin America, is a must-attend show for all suppliers of the battery industry

interested in the South American market.

www.fenibat.com – fenibat@fenibat.com - +55 43 999 37 49 11



[The 13th Battery Safety Summit 2023 - November 5-7, 2023](#)



[The Battery Experts Forum](#) (7-9 November 2023, Darmstadt, Germany) is one of the world's largest exhibitions around battery technology. Sponsors and exhibitors who are among the most important companies in the entire value chain of a battery are part of the international exhibition. In addition to cell and battery manufacturers, you will find suppliers of components and services as well as OEMs. Design, production and manufacturing solutions as well as complete battery systems, materials and components but also test procedures and recycling processes will be exhibited. The focus of the event is placed on the associated conference with the highest scientific standards. Here, over 100 leading users, developers and researchers from international companies and institutes, as well as opinion leaders, will speak about the latest industry trends over the three days of the event.



[4th European Electric Vehicle Batteries Summit 8th - 9th November 2023](#) in London, UK. The two-day event will look at what can be done with a battery's second life, dealing with sustainability and waste management, and the relevance of the range concern. The event will bring together leaders from major EV battery producers and vehicle manufacturers, sharing their knowledge and their experience with the latest technology developments.



The **management conference with accompanying exhibition** brings together the entire value system of **battery technologies: Across industries, users, battery system & cell manufacturers and their suppliers** will spend two days exchanging ideas and information, making new contacts and discussing how the industrial ramp-up with a **high market share of battery-driven solutions in Europe** can be achieved. Around **700**

participants, 80 sponsors & exhibitors and 70 speakers are expected on-site. www.futurebattery.eu



[AABC USA](#) - 11-14 December 2023



[5-7 February 2024 - Shmuel De-Leon Energy will organize the 2nd Medical Battery Conference 2024 as part of MD&M West](#)



[Shmuel De-Leon Energy will present and exhibit at NAATBatt 2024 Annual meeting & conference, California, USA 19-22/2/2024](#)

Int'l Rechargeable Battery Expo BATTERY JAPAN

28 February - 2 March 2024 - Battery technologies are the key to achieving carbon neutrality by 2050 as they will largely contribute to the popularization of renewable energy and EVs. BATTERY JAPAN gathers a broad range of technologies, components, materials, and devices for rechargeable batteries development & production. The show attracts professionals from all over the world.

Exhibit and visit BATTERY JAPAN to meet industry professionals face to face.

[>> Exhibiting Info Request \(FREE\)](#)

[>> Visitor Ticket Request \(FREE\)](#)



March 6th-9th, 2024 - InterBattery2024, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies of battery industry. InterBattery 2024 attracts more than 400 exhibitors(domestic/overseas) and 1,200 booths including global top corporates of battery manufacturers such as Samsung SDI, LG Energysolution, SK On, CATL. **CHARGE Your Business through InterBattery 2024** ! The link for our website is : <http://interbattery.or.kr/en/>



[International battery seminar & exhibit 2024](#) - March 12-15/2024



17-20/6/2024 - [The Battery Show Europe](#) and Electric & Hybrid Vehicle Technology Expo, 17-20 June 2024 in Stuttgart, Germany, bring together **10,000 + engineers, executives, managers, thought leaders and professionals from** across the advanced battery and H/EV supply chain. Register for 3 days of learning, networking and a chance to meet **600+ exhibitors** to source the latest technology and solutions for your next project.



[The 16th China International Battery Fair \(CIBF2025\)](#), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen, China - 12-16/5/2025.

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