

Shmuel De-Leon Batteries, Super-Capacitors, Fuel-Cells & EV`s Weekly Newsletter



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Battery Training

Schedule	Location	Partner	Program
13-14/3/2019	Barcelona, Spain	Leitat	Program

25/3/2019	Tutorial as part of Florida Battery Seminar, Fort-Lauderdale FL, USA	Cambridge EnerTech	Program
15-16/4/2019	Gothenburg, Sweden	Hans-Schive	Program
29-30/4/2019	5th Industrial On-Site Lithium-Ion Cell Production Technology Seminar, Itzehoe, Germany	CustomCells	Program
12-13/6/2019	Le Bourget Du Lac, France	Serma	Program
20-21/6/2019	4th Li-Ion Cells Manufacturing Seminar, Rochester, NY, USA	RIT	Program
27/6/2019	Tutorial as part of AABC USA 2019 Conference San Diego, CA, USA	Cambridge EnerTech	Program
3-4/7/2019	1st Solid Electrolyte Li-Ion Cells Production Technology Seminar	CustomCells	TBD

Special Offers

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

Batteries and Super Capacitors news

[Using Liquid Batteries for Electric Aircraft](#)

[Trojan Battery Company and Tomberlin announce partnership](#)

[Chevron invests in Prussian Blue battery tech company Natron Energy; stationary storage for EV charging stations](#)

[US-Chinese lithium cell supply agreement](#)

[Twelve wounded after explosion at Boot, Dusseldorf](#)

[Norway: Siemens opens battery factory for ships](#)

[Poland: LG Chem factory plans take shape](#)

[More Corvus batteries to NES for electric ferries](#)

[Kiepe Electric places large order for Voltabox batteries](#)

[Chinese EV carmaker NIO raises \\$650 million via convertible bond](#)

[Evergrande acquires Cenat battery production](#)

[Kamenz: A visit to Daimler's battery assembly factory](#)

Raw & Battery Materials news

[Army building safer, more powerful batteries with licensing potential](#)

[It could be the battery of the future if this startup succeeds](#)

[New methylated ether electrolyte for Li-O2 battery delivers 4x cycle life](#)



[NEI Corporation](#) offers a variety of electrolyte materials for all-solid-state batteries. Come see what we have to offer!

<https://www.neicorporation.com/products/batteries/solid-state-electrolyte/1>

[The WA battery metal party continues as vanadium mines come to life](#)

[Solid electrolyte enables light batteries to replace structural elements](#)

[Researchers adapt flexible bipolar plates in batteries](#)

xEV`S News

[Boeing NeXt autonomous electric passenger air vehicle completes first flight; eVTOL with 50-mile range](#)

[Anderman cautious on EV 'expansion'](#)

[Porsche Taycan to carry 90 kWh battery](#)

[NEVS buys 20% of Koenigsegg to develop electric cars](#)

[\\$139.5M – Tesla remains profitable – Model 3 delivers](#)

[A longer electric bus emerges from the Netherlands](#)

Chargers News

[EV charging evolution, the technology that's coming](#)

[NSW government announces EV charging funding and electric bus trials](#)

[VW just shut down part of its electric car charging network over a safety concern](#)

[The Electric Circuit to deploy 1,600 fast-charge stations in Québec over the next 10 years](#)

[Electrify America partially shuts down its network as its global supplier investigates safety issue with high-powered charging cables; UPDATED](#)

[Zap&Go forges ahead with R&D fast-charge centre](#)

Grid Energy Storage News

[Toshiba to Supply Micro Grid Energy Management System to Republic of Maldives under the Preparing Outer Islands for Sustainable Energy Development Project](#)

[Interview: CellCube president Stefan Schauss on Brexit's impact on the British storage industry](#)

Fuel Cells News

[BMW Gets A New Hydrogen Powered Twist For EV Charging — But Why?](#)

[DOE: 1 fuel cell bus in US has exceeded the DOE/DOT target of 25,000 hours; more getting close](#)

[Saudi Aramco and Air Products to build Saudi Arabia's first hydrogen fuel cell vehicle fueling station; operational 2Q19](#)

[Air Liquide buys 18.6% stake in Hydrogenics](#)

Upcoming Industry Events

Roskill

**Lithium Mine to Market
Australia 2019**

21st – 22nd February 2019
Parmelia Hilton Perth Hotel
Perth, Australia

Roskill's inaugural [Lithium Mine to Market, Australia 2019 Conference](#) (21-

22/2/2019) offers you the opportunity to discover what is really happening in the lithium supply chain. The conference will bring together a high-profile list of expert speakers to offer insights and supply and market outlooks for the current situation in Australia and further afield. It will also give you the chance to meet and network with key decision makers across the entire lithium supply chain.

10th Int'l Rechargeable Battery Expo **BATTERY JAPAN**

[Battery Japan 2019](#) - Feb 27- Mar 1/ 2019 World's Largest-scale Show for Rechargeable Battery - Big Site TokyoWorld's Largest-scale international exhibition showcasing various components, materials, devices, finished rechargeable batteries for rechargeable battery R&D and manufacturing.



March 11-14, 2019 - Sponsorship and Exhibitor Opportunities [The 2019 Annual Meeting](#) will be the 10th annual conference of NAATBatt International, the trade association of companies developing, manufacturing, selling and using advanced battery technologies in North America.



Join NY-BEST for their 9th Annual Conference & Meeting, Capture the Energy, on March 13-14, 2019 in downtown Albany, NY! NY-BEST is anticipating over 350 attendees this year. The [agenda](#) for this year will address how NY will reach its energy storage deployment goal of 1500 MW by 2025 and 3 GW by 2030. Find out more [here](#).



INTERBAT 2019 - INDEPENDABLE POWER SOURCES - The 28th International Specialized Fair on Batteries, Equipment and Components for its Production. 19 -21 March, 2019, Russia, Moscow, Exhibition Hall of Moscow Government, Noviy Arbat street, 36/9
Subject: All kinds of batteries - Material, components and equipment for battery production - Battery recycling. More information: interbat@interbat.ru, <http://www.interbat.ru>



Founded in 1983, [the International Battery Seminar & Exhibit](#) has established itself as the premier event showcasing the state of the art of worldwide energy storage technology developments for consumer, automotive, military, and industrial applications. Key thought leaders will assemble to not only provide broad perspectives, but also informed insights into significant advances in materials, product development, manufacturing, and application for all battery systems and enabling technologies. As the longest-running annual battery industry event in the world, this meeting has always been the preferred venue to announce significant developments, new products, and showcase the most advanced battery technology. For example, Sony chose the International Battery Seminar as the platform to first announce its lithium-ion technology in 1991, an accomplishment that has since gone on to change the world. Attendance has more than doubled since joining Cambridge EnerTech in 2015!



In order to meet the high demand, [the Battery Experts Forum](#) moves to the financial capital Frankfurt am Main in 2019. With an even larger exhibition area, the Battery Expert Forum could take place in the rooms of the Forums Messe Frankfurt. Be there when over 100 TOP experts in the battery industry report on the latest technology!

4th Lithium Battery INTERNATIONAL Summit (LBIS) Invitation

Shenzhen, China May 6th-9th, 2019

4th Lithium Battery International Summit (LBIS) Invitation, Shenzhen, China May 6th-9th, 2019

This summit will bring together world's leaders of energy storage science & technology (Y. Nish, A. Yoshino, J. Dahn, T. Ohzuku, JM. Tarascon, M. Yoshiyo, S. Visco, SAE, IEEE, USABC, Various EDV, CE and ESS makers), as well as the CTOs and CEOs of top 20 Li-ion producers to discuss Li-ion, Solid State Batteries, Li/Air, Li/S, Fuel Cell) and their applications.

Summit Special Lectures by: J. Dahn, J. Zhang, T. Ohzuku/M. Yoshio, JM. Tarascon, S. Visco,

Website: LBIS.net; and email: johnzhang@celgard.com

THE BATTERY SHOW

EUROPE 2019

The Battery Show, co-located with [Electric & Hybrid Vehicle Technology Expo](#), is the industry's largest and fastest-growing trade fair for advanced battery and H/EV technology (7 - 9 May 2019, Stuttgart, Germany). 400+ suppliers from across the battery supply chain, such as A123 Systems, Leclanché, Voltabox and Bosch Rexroth will display thousands of design, production and

manufacturing solutions, including battery management systems, battery pack assemblers/integrators, materials, components, research, testing and recycling. This free trade fair is an opportunity to source the latest energy storage solutions to reduce costs and improve the performance of battery applications.



EVS 32 (International Electric Vehicle Symposium) are organized by the WEVA (World Electric Vehicle Association) and recognized as the major event by professionals around the world, engaged in electric transportation, coming from the industrial world, institutional and university research program to present, or to explore, the new paradigm of the electric transport with its technologies and its new mobility concepts.



Show your products and services to the South American Lead-Acid Battery manufacturers and recyclers. Composed of a two mornings Conference and two afternoons-evenings Expo, an expected 800+ attendees and close to 100 Exhibiting companies make the [FENIBAT](#) the biggest battery event in Southern Hemisphere. Suppliers must have a booth to be admitted.



"EUROBAT's next annual Forum and General Assembly will take place in Berlin on June 13 -14, 2019.

Programme and registration procedure to follow soon. For more information:

gmeylemans@eurobat.org



Save the Date! AABC to Return to San Diego from June 24-27, 2019
More than 670 Battery Technologists from Tesla, GM, Toyota, Ford, Nissan, Volkswagen, Honda, Daimler, Fiat Chrysler, Subaru, Mitsubishi, Hyundai, Mazda, Hino Motors, Lion Electric, Faraday Future, NIO, Rivian Automotive, Uber, plus the Entire Battery Supply Chain Participated in [the 18th Annual AABC Conference in San Diego](#)



Battery China 2019—Asia's Leading Exhibition for Battery & EV & Charging Technologies! The 14th China International Battery, Raw Material, Producing Equipment and Battery Parts Fair (Battery China 2019), July 6-9, 2019, China National Convention Center, Beijing, China Concurrent Activities: The 4th China (Beijing) International EV Expo (EVTec China 2019) Scale : 50000m² ; 500+ exhibitors; 50000+ visitors ; 100+ media The Best Place to Meet Professionals from all Over the World ! Contact: Ms. Yan; Tel: +86 10 87765620 ; batteryshow@163.com <http://www.bhoec.com/batteryshow>



The tenth International Flow Battery Forum will be held at Le Centre de Congrès de Lyon (Lyon Convention Centre) from 9th – 11th July 2019. The IFBF is the major international conference that covers all aspects of flow battery research, development, technology, manufacturing and commercialisation including, and includes a pre-conference flow battery visit to visit to IFP

energies nouvelles's flow battery and micro grid demonstration site in Solaize. The call for papers is open (submission deadline 31 January 2019) – please register via our [website](#). For further information email: info@flowbatteryforum.com.

THE **BAI**TERRY SHOW
NORTH AMERICA 2019

[The Battery Show](#) connects you with more than 8,000 engineers and executives, and more than 600 leading suppliers, across the advanced battery supply chain. A powerful, end-to-end showcase, this leading global industry event covers today's emerging advanced battery technology for the automotive, portable electronics, medical technology, military and telecommunications, and utility and renewable energy support sectors. Explore the full spectrum of cutting-edge solutions you need to make faster, smarter, and more cost-effective products at the most comprehensive industry event in North America

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