

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



December 21, 2018, No. 468

Sent to more than 215,000 Energy Storage industry members

Serving the industry since 1/2010

[Home](#) [About](#) [Services](#) [Store](#) [Download](#) [Events](#) [Advertisements](#)  
[Contact](#)

[Market Research reports](#) [Energy Storage Seminars](#) [Battery safety training](#) [Battery Database](#) [B2C Campaigns](#) [Consulting](#) [Upcoming events](#) [Purchasing Services](#) [Li-Ion Manufacturing seminars](#) [School of Batteries](#)

[Join our mailing list](#)

## ***Our advertisers & sponsors***


## **Battery Training**

<b>Schedule</b>	<b>Location</b>	<b>Partner</b>	<b>Program</b>
30/1/2019	Tutorial as part of AABC Europe 2019 Conference, Strasburg, France	<a href="#">Cambridge EnerTech</a>	<a href="#">Program</a>
11-12/3/2019	Berlin, Germany	<a href="#">Enerdan</a>	TBD
25/3/2019	Tutorial as part of Florida Battery Seminar, Fort-Lauderdale FL, USA	<a href="#">Cambridge EnerTech</a>	<a href="#">Program</a>
15-16/4/2019	Gothenburg, Sweden	<a href="#">Hans-Schive</a>	<a href="#">Program</a>
29-30/4/2019	5th Industrial On-Site Lithium-Ion Cell Production Technology Seminar, Itzehoe, Germany	<a href="#">CustomCells</a>	<a href="#">Program</a>
12-13/6/2019	Le Bourget Du Lac, France	<a href="#">Serma</a>	<a href="#">Program</a>
20-21/6/2019	4th Li-Ion Cells Manufacturing Seminar, Rochester, NY, USA	<a href="#">RIT</a>	<a href="#">Program</a>
27/6/2019	Tutorial as part of AABC USA 2019 Conference San Diego, CA, USA	<a href="#">Cambridge EnerTech</a>	<a href="#">Program</a>
3-4/7/2019	1st Solid Electrolyte Li-Ion Cells Production Technology Seminar	<a href="#">CustomCells</a>	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**

[BYD considers European/US battery cell factory](#)

[LG is investing half a billion in its Polish battery factory to increase production](#)

[Samsung SDI to invest \\$62 mn to add electric car battery pack line in U.S.](#)

[Tesla Twenty Gigafactory Plan for New Products and Global Domination](#)

[Work starts on Lithium Werks battery gigafactory in China](#)

[CATL Opens First North American Base, Strengthening Presence in US Market](#)

[Korean EV Battery Manufacturers Losing Global Market Share](#)

[SAPB starts second phase of Xi'an battery project](#)

[It's big, loud and secretive: We got a tour of Tesla's Gigafactory and here's how it works](#)

[LG Chem Enters BMW Supply Chain with 12V LVS Batteries](#)

[Lithium Werks Announces Construction Of Battery Gigafactory In China — 8 GWh To Start](#)



[Munters](#) desiccant

dehumidification systems are specifically designed to meet the needs of advanced battery manufacturers' requirement for precise and low dew point control, while at the same time consuming less energy. Munters is the market leader in the battery industry, having provided energy-efficient dehumidification systems and turnkey dry rooms for over 40 years.

[Volvo bus batteries find 2nd life as solar energy storage](#)

[Volkswagen brand to spend more than 9B on electrification over next 5 years; expansion of platform model](#)

[Warren Buffett-Backed Electric Car Maker BYD Is Planning a 2022 IPO for Its Battery Business](#)

[US and Israel Cooperate on Clean Energy](#)

[BMZ selects new US Headquarters in Virginia Beach](#)

[BMW and Draxlmaier establish joint battery production in Thailand](#)

[Next-Battery secures strategic relationship with China-based Lvchi Automobile Technology](#)

### ***Raw & Battery Materials news***

[Researchers report advances toward room-temperature fluoride-ion batteries](#)

The advertisement features a small image of a roll of electrode sheet on the left. To its right, the text reads "NANOMYTE® Cathode & Anode Electrode Sheets" in a bold, dark blue font. Below this, "Ready-to-Ship" is written in red, followed by "– available in 2, 5, & 10 sheet packages" in black, and a red arrow pointing to the right.

[NEI Corporation](#) supplies ready-to-ship, cathode and anode electrode sheets for lithium-ion batteries in packages of 2, 5, and 10 sheets. Request your quote!

[Bentley says battery tech not ready for ultraluxury EV](#)

[Congo nearly triples royalty rate on cobalt, key component of EV batteries](#)

[Honda Fluoride-Ion Battery Breakthrough Could Allow For Batteries With 10x More Energy Density](#)

### ***xEV`S News***

[StreetScooter Work van approved for large-scale production](#)

[Daimler buying more than 20B Euro of battery cells for electric drive vehicles by 2030](#)

[Volvo presents its 2nd electric truck – FE Electric](#)

[Video: John Deere premiers electric tractor in action](#)

[All-electric car market share on the rise worldwide](#)

### ***Chargers News***

[FastCharge delivers high power charging at 450 kW](#)

### ***Grid Energy Storage News***

[Volvo Buses in project researching use of second-life electric bus batteries to store solar energy](#)

[LSIS Acquires Parker Hannifin's Energy Grid Tie Division to Create a New U.S. Based Company, LS Energy Solutions](#)

### ***Fuel Cells News***

[Hyundai Motor outlines FCEV Vision 2030; \\$6.7B investment in fuel cells by 2030; 700K fuel cell systems annually by 2030](#)

[Manganese hydride molecular sieve for practical hydrogen storage could cost roughly 5x less than 700 bar tanks](#)

[Scania, partners developing fuel cell electric refuse truck](#)

[Argonne scientists maximize the effectiveness of platinum in fuel cells](#)

[Ballard receives order for fuel cell module to power UK HydroFLEX H2 demonstrator train](#)

## Upcoming Industry Events

---



Each year, [AABC Europe](#) brings together a global audience of battery technologists and their key suppliers for a must-attend week of development trends, breakthrough technologies and predictions of the market for years to come. Our 2018 event was the largest AABC event ever with 1,000 attendees from 35 countries taking part in interactive discussions on the development and future market trends for vehicle electrification.

---

**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.

---



[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.

---



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](mailto: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

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](http://LBIS.net); and email: [johnzhang@celgard.com](mailto:johnzhang@celgard.com)

---

## THE **BAT**TERY 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](mailto: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 : 50000m<sup>2</sup> ; 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](mailto:batteryshow@163.com) <http://www.bhoec.com/batteryshow>

---



[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

---

**Shmuel De Leon Energy**

10 Mazal-Arie Street, Hod-Hasharon, Israel 45309 972-77-5010792

[www.sdle.co.il](http://www.sdle.co.il) [shmuel@sdle.co.il](mailto:shmuel@sdle.co.il)

