

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

[Korea's share of EV battery market shrinks amid Chinese expansion](#)

['A bullet in your pocket': Lawyers target battery makers in exploding e-cigarette cases](#)

[Alexander Technologies expands in UK to meet demand](#)

[EU launches 'batteries innovation platform'](#)

[Canada Rolls out expansion funding for lead-acid](#)

[Oxis Energy releases details re: Brazilian Li-S cell manufacture](#)

[NiZn batterymaker ZAF Energy Systems receives strategic investment from Wirtz Manufacturing](#)

[France to invest €700M in battery cell production](#)

[BATTERY JAPAN 2019: Solid-state battery and EV battery imminently set for commercialization](#)

[Varta AG – Smaller, lighter, more powerful Lithium-Ion cells](#)

[Europe needs its own battery supply chain, Umicore CEO says](#)

[Enovix Corporation Charts Course to Production and Commercialization of its 3D Silicon™ Lithium-ion Battery](#)

Raw & Battery Materials news

[BioSolar Discloses the Process for Incorporating Its Silicon Additive Technology in Lithium-ion Battery Prototypes](#)

[Study provides insight into key process in lithium-rich cathodes that both helps and hurts battery performance; oxygen oxidation](#)



Solid Electrolyte Materials

Sulfide, Oxide, & Polymer Electrolytes

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

[Panasonic eyes upstream investments to secure battery raw materials](#)

[American Manganese begins testing of lithium-ion battery materials recycling pilot plant](#)

[Adamas Intelligence: all metals/materials but manganese for passenger vehicle battery cells see accelerated gains in 2018](#)

[Keliber wants to start in 2021 with lithium production in Finland](#)

[Cobalt's price crash bottoming out, stocks to hinder quick rally](#)

xEV`S News

[Nikola Motor to introduce all-battery versions of Nikola Two and Tre fuel-cell heavy-duty trucks](#)

[Europe: 3000 orders for 62 kWh Nissan Leaf](#)

[Fraport & Volocopter set about air taxi infrastructure](#)

[GM and Amazon interested in Rivian](#)

[Iceland's first electrified ferry powered by ABB](#)

Chargers News

[Qualcomm platform Halo now with WiTricity](#)

[ABB supports BP and 66 iFuel establish BP's pilot DC fast charging station in China](#)

Grid Energy Storage News

[AES and Mitsubishi Corporation Collaborate with Tata Power-DDL to Power Up South Asia's Largest Grid-Scale Energy Storage System in India](#)

[UK's Capacity Market becomes target for flow battery maker CellCube](#)

[Shell agrees to acquire sonnen, expanding its offering of residential smart energy storage and energy services](#)

Fuel Cells News

[New Flyer 40' and 60' Xcelsior fuel cell buses complete Altoona testing; eligible for FTA, HVIP funding](#)

[China city to build leading hydrogen vehicle base](#)

[RONN Motor Group to build first all-electric lightweight Nano-composite hydrogen fuel cell bus in China](#)

Upcoming Industry Events

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.



[Workshop "Second life of batteries : technical challenges and quality assessment" Monday 11 march 2019](#)

Although battery re-use in stationary applications offer obvious environmental and economic opportunities, whether end-of-life EV batteries should be recycled or re-used is still hotly debated. The workshop offers discussions on how to extend battery's lifetime economically. Three topics are covered:

- battery quality estimation,
- battery quality standards,
- second life batteries experiences.

It is held the day before the ESE/IRES expo.



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!



E-Mobility Charging Infrastructure in Europe 2020

9-11 April 2019 | Hotel Mövenpick Berlin, Germany, Cross border charging solutions for a connected Europe: Learn about interoperability, industry e-mobility collaborations and different charging interfaces. Also the conference will allow facilitated discussions on 800V and charging solutions for cities and highways with innovative charging interfaces, from DC to AC and how can the grid support the peaked electricity demand for urban EV growth.

Download the agenda: http://bit.ly/E-Mobility_Agenda



8th Annual International Conference Thermal Management for EV/HEV

9-11 April 2019 | Hotel Mövenpick Berlin, Germany, Listen about aspects of thermal management of next generation battery technologies, such as solid state batteries and learn about thermal management of HEV and how to deal with system complexity caused by combining the ICE and the electric engine. Hear about European Commission's vision of EV/HEV market evolution and the regulatory tools to stimulate it and discuss about thermal management aspects in the context of ultra fast charging, such as new battery cooling technologies and managing cabin temperature during charging.

Download the agenda: http://bit.ly/Thermal_Agenda_2019



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 **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



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.



Advanced Batteries, Accumulators and Fuel Cells No. 20, www.aba-

brno.cz , August 25th to 28th, 2019, Presentation of new R&D in modern batteries and supercapacitors from fundamental science to industrial applications. Lithium and its replacement of lithium and large systems and ionic liquids would be major topics. Located at Brno University of Technology (Czech Republic).

Chairman: J.Vondrak, vondrak123@seznam.cz, +420 725 522 787



[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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