

# 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	<a href="#">Leitat</a>	<a href="#">Program</a>

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***

[Energizer, Duracell eye stake in Eveready India: Economic Times](#)

[DOE launches its first Li-ion battery recycling R&D center: ReCell; driving toward closed-loop recycling](#)

[Umicore recycles batteries from Formula E race cars](#)

[Jungheinrich & Triathlon form JV for battery production](#)

[GS Yuasa unveils lead-lithium energy storage platform](#)

[LIB disposal under fire after landfill blaze and 'exploding e-cigs'](#)

[Engitec building lead recycling plants in Spain, China](#)

[PolyPlus and SK enter into joint development agreement for glass-protected lithium-metal battery](#)

[Forsee Power to deliver e-scooter batteries to Niu](#)

[Cell makers block VW's planned battery production](#)

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

[Michigan Technological University's Lei Pan Part of First DOE Lithium-Ion Recycling R&D Center](#)



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

[Siloxene as promising silicon intercalation anode for Li-, Na- and K-ion batteries](#)

[ITA: Tin in Li-ion batteries could represent significant new use](#)



Dexmet Corporation ultra-thin expanded MicroGrid® metal foils are engineered for advanced battery, capacitor and energy storage application. Our process allows us to control the thickness, weight, open area and

conductivity of the expanded material. Our material is commonly implemented as anode and cathode current collector screens, and as support structures for active material in modern battery applications.

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

[Cummins to supply Kalmar with driveline for new electric terminal tractor](#)

[GreenPower Announces the Launch of the EV Star CarGO Van](#)

[Daimler prepares for a plug-in hybrid offensive](#)

[Rivian: 700 million USD fresh capital from investors including Amazon](#)

[Germany to extend tax incentives for plug-in cars](#)

[GAC NE to roll out 12 new models for Aion series, including solar-powered models](#)

[Renault to discontinue the Zoe Q90 with Conti drive](#)

[BMW with new PHEV models and free charging](#)

[Bye Aerospace's Sun Flyer 2 completes first flight with Siemens electric propulsion motor](#)

[Volvo delivers first fully electric trucks in Europe](#)

## ***Chargers News***

[Renault-Nissan-Mitsubishi Alliance Invests In PowerShare](#)

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

[India bridges gap with batteries](#)

[ENGIE solar-storage park for South Africa](#)

## ***Fuel Cells News***

[Group Signs MOU to Develop and Test Hydrogen Fueling Hardware for Heavy-Duty Vehicles](#)

['Goldilocks' Thinking to Cut Cost of Fuel Cells in Electric Vehicle](#)

[Air Liquide, Idex, STEP, and Toyota Create HysetCo to Promote the Development of Hydrogen Mobility with the Objective of 600 Hydrogen Taxis by End of 2020](#)

## ***Upcoming Industry Events***

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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.

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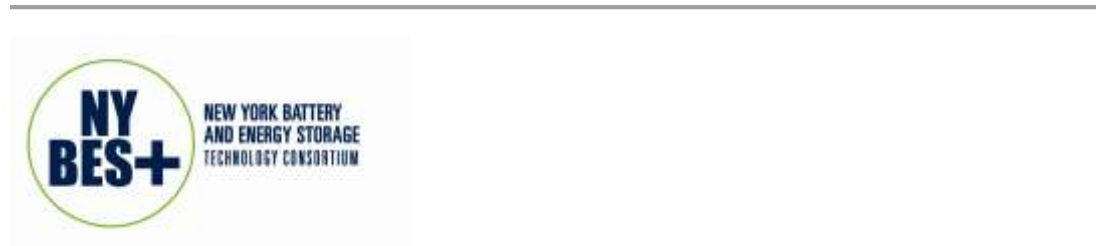


[Workshop "Second life of batteries : technical challenges and quality assessment" Monday 11 march 2019](#)

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 9<sup>th</sup> 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](mailto:interbat@interbat.ru),  
<http://www.interbat.ru>

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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!

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### **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](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](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!

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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)

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## 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.

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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.

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"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)

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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](#)

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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>

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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](mailto:info@flowbatteryforum.com).

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Advanced Batteries, Accumulators and Fuel Cells No. 20, [www.aba-brno.cz](http://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](mailto:vondrak123@seznam.cz), +420 725 522 787

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[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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