



## **Shmuel De-Leon Energy - Battery Weekly Newsletter**

October 2, 2020, No. 561

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[Battery market reports 2020](#)

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### ***Virtual Battery Trainings***

13-15/10/2020 Battery Seminar - Virtual (6 hours - 3 parts of 2 hours each) -  
15:00 PM Central Europe Time, 10:00 AM EST USA Time - [Program and  
registration](#)

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### ***Frontal Battery Training***

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6/10/2020 Battery Safety Tutorial as part of Batteries 2020, Lion, France  
[Program](#)

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2/11/2020 Battery Safety Tutorial as part of AABC USA, San Francisco, CA,  
USA [Program](#)

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23/11/2020 Battery Safety Tutorial as part of 1st International Electric  
Vehicle & Stationary Battery Conference, Vitoria, Spain [Program](#)

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2/12/2020 Battery Safety Workshop as part of Battery Cells & Systems Expo,  
Coventry, UK [Program](#)

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1-2.2.2021 Battery Seminar, Graz, Austria [Program](#)

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27/4/2021 Battery Safety tutorial as part of Battery Expert Forum, Frankfurt, Germany [Program](#)

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23-24/6/2021 Battery Seminar, Le Bourget Du Lac, France [Program](#)

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### ***Special Offers***

[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 for free 30 days trial](#)

### ***Batteries and Super Capacitors news***

[FREYR taps umlaut for new lithium battery factory in Norway](#)

[Enovix Adds Another \\$20 Million from Investors, Raising its Total 2020 Equity Funding to \\$55 Million](#)

[Williams Advanced Engineering wins another battery contract](#)

[Indonesian ministers visit Seoul for battery plant JV with LG Chem and Hyundai Motor](#)

[Portugal: Evora university in EU project to test recycling, reuse of used electric car batteries](#)

[Tesla's pilot Roadrunner line will be one of the world's largest battery cell plants](#)

[Mercedes-Benz to begin battery electric truck series production in 2021](#)

[Mersen Infini-Cell solution supports 21700 series battery assembly systems](#)

[Battery maker Northvolt raises \\$600 million in private placement](#)

[3D Printed Solid State Batteries](#)

[China MGL constructs power battery plant in Nanjing](#)

[Manz inks LOI with TE for follow-up order of a production line](#)

[Anzode gets \\$1.7-million CEC grant for non-lithium batteries](#)

[CATL, FAW's power battery joint venture starts production](#)

[Thermal interface materials for extended EV battery lifespan](#)

[UK battery specialist considers lithium-ion cell fab in Australia](#)

[Digatron and DSA launch end-of-line tester for lithium battery production](#)

[Flash Battery among Italy's best managed companies according to Deloitte Italia](#)

[Eagle Picher batteries to power new communication satellite](#)

[CBAK Energy has Successfully Developed Large-sized Cylindrical Tabless Battery with 25% Boost in Energy Density and 20% Cost Saving](#)

[Lithium Ion battery for submarines: the game of future survival](#)

[Indian Oil to launch cost-effective aluminium-air batteries for EVs](#)

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

[Lithium batteries; New nanochannels make them charge faster](#)

[Altech extends battery life with innovative HPA coating](#)

[Battery anode allows for faster charging via free-flowing nanochannels](#)

[Researchers Develop Polymer Electrolytes for Redox Flow Batteries](#)

[Dürr to partner with Techno Smart for battery electrode coatings](#)



[NEI Corporation](#) supplies ready-to-ship, cathode and anode electrode sheets for lithium-ion batteries in packages of 2, 5, and 10 sheets. We're still open – order today!

[Altech Chemicals' technology has potential to be a game-changer in lithium-ion battery evolution](#)

[Battery Day and the North American Lithium-ion Supply Chain](#)

[Tesla gets closer to volume battery cell production with 5-year lithium supply](#)

[deal](#)

[EcoGraf secures agreement for graphite processing facility](#)

[MOU with One of China's Largest Battery Material Supplier Groups](#)

[KoreaGraph Eyeing Graphene as Component in Fast-Charging Lithium-Ion Batteries](#)

### ***Chargers & BMS News***

[LS Electric develops battery temperature sensor for ESS](#)

[SFMTA makes progress toward its Sustainability and Climate Action program with battery-electric bus chargers](#)

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

[Natron Energy Announces First-Ever UL Listed Sodium-Ion Battery](#)

[PEC Installs First Battery Storage System](#)

[Intergen seeks generation licence for giant 700MWh battery storage scheme](#)

[German solar battery maker sonnen expands capacity as power subsidies end](#)



[The Batteries Event](#) will cover all aspects of the battery circular economy, beginning from the production of the battery through raw materials, battery manufacturing, battery use and safety, management and applications, going through market trends, research and development, new technologies and finally closing the loop with a focus recycling, second life and regulations. International battery industry key players such as manufacturers, end users, experts, researchers and recyclers will come together to discuss and exchange on existing recycling technologies, life cycles, secondary raw material use, producer regulatory obligations in Europe, future expectations and innovations.

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[eMove360 battery conference - Kohlebunker, Germany 20-21/10/2020](#)

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21-23/10/2020 - InterBattery is the only marketplace where world's leading battery manufacturers such as Samsung SDI, LG Chem and SK Innovation attend at the same time, and showcase their products capabilities. Exhibitors can meet both domestic and international key buyers and therefore make new business deals. Asia's No.1 Battery Show, InterBattery 2020, provides you the diversity of concurrent events, differentiated services such as Biz-matchmaking, accommodation, 24/7 online promotions. Join the InterBattery 2020, where more than 200 companies, 30,000 buyers attend. <http://interbattery.or.kr/en/>

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[AABC USA](#) Conference, 2-5/11/2020, San-Francisco. CA. USA

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**International EV Batteries 2020: Cost-Effective Engineering for Hybrid and Electric Vehicles, Live online conference, 11-12 November 2020**

[www.imeche.org/evbatteries](http://www.imeche.org/evbatteries)

International EV Batteries 2020 will continue the discussion around the latest engineering design processes and best practice in battery application. Address the lifecycle of the battery from design, manufacture and testing to the end of life process. Discuss methods to manage battery use and application with representatives from OEMs, battery manufacturers, battery management systems providers and academic institutions.

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[Battery Cells & System Expo 2020](#) - A major exhibition and conference for

the advanced battery industry launches on 1st-3rd December 2020 at the NAEC Stoneleigh, Warwickshire UK. This international showcase of manufacturers, users and the entire supply chain working to increase battery performance, cost and safety will gather in the heart of UK manufacturing.

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ACI's European Electric Vehicle Batteries Summit will be taking place in Rotterdam, the Netherlands on 9th – 10th December 2020.

The conference will look at 'Advancing Battery Performance While Driving Down Production Costs: Unleashing The Power of Electric Mobility'.

For more information or to register your attendance contact Marcin Janecki at [mjanecki@acieu.net](mailto:mjanecki@acieu.net) or phone +48 61 646 7047.

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AABC Europe 2021 Conference - 17-21/1/2021, Wiesbaden, Germany

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The Battery Technology Show, 23-24 February 2021

The leading event for battery and EV innovation in the UK, now in its third year attracting companies from around the world Our two conference tracks - The Future of Battery Technology and The Future of Hybrid & EV - allow delegates to hear from the leading protagonists in battery technology in the heart of the UK's automotive and manufacturing base.

[www.batterytechnologyshow.com](http://www.batterytechnologyshow.com)

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## 12th Int'l Rechargeable Battery Expo **BATTERY JAPAN**

Rechargeable batteries attract attention year after year in the fields of automobile/housing/business applications and mobile applications.

[BATTERY JAPAN 2021](#) is the world's largest\* exhibition specialised in manufacturing and R&D of rechargeable batteries. All kinds of materials, manufacturing technologies, inspection/analysis equipment, and battery itself will gather from around the world. Exhibit & Visit the show to expand your business in Japan and Asia!

(\*"Largest" in reference to the met exhibit space of trade shows with the same concept.)

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The Battery Technology Show & Future of Electric & Hybrid Vehicles, 13 April 2021

Co-located with WCX in Detroit, The Battery Technology Show brings together thousands of delegates to discover the latest developments. The event's two conference tracks will also allow visitors to hear from some of the leading companies and individuals shaping the forthcoming revolution.

[www.batterytechnologyusa.com](http://www.batterytechnologyusa.com)



**BATTERY CONFERENCE AND EXHIBITION**

*The Battery Experts Forum 27/4-29/4/2021 is the most important event for battery technology. The event takes place annually at Forum Messe Frankfurt. Over 100 experts from the leading battery manufacturers and users provide information on the newest trends, product developments and solutions. The event will be accompanied by a specialized exhibition with more than 160 exhibitors, who are among the most important companies in the entire battery supply chain.* [www.battery-experts-forum.com](http://www.battery-experts-forum.com)



[The Battery Show Europe](#) : 18-20/05/2021 - Join industry peers at the leading meeting place for the advanced battery and H/EV technology community, where you can meet over 350 suppliers and watch live product demonstrations. Register today for a complimentary pass. Running alongside the free-to-attend trade fair is an expert-led conference with speakers from top manufacturers such as Daimler, CATL and Volvo. Use the code 'SDLE10' for 10% off conference passes.



[The 5th FENIBAT](#) will gather in Londrina, Paraná, Brazil, from May 23 to 25, 2021, the Brazilian and Latin American battery and lead recycling industry with its international suppliers through its Expo and Conference. The FENIBAT public includes not only industrialists, high management and investors but also middle-managers, supervisors and technicians of Administration, Purchasing, Production, Maintenance, Projects and Product

Development, Quality Control, Laboratories, Metrology, Work Health and Safety, Environment, etc.; In this issue, we will also have, as part of FENIBAT, the 1st FENILITIO, a part, in the Exhibition and Conference, dedicated to new battery chemistries that are under development.

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[The 14th China International Battery Fair](#) (CIBF2020), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen Convention & Exhibition Center from May 25 to 27, 2021. The novel corona virus is spreading all around the world. In order to protect the health and life safety of exhibitors, visitors and partners, and ensure the exhibition results of exhibitors at home and abroad, we solemnly announce: the 14th China International Battery Fair, CIBF2021 will be held in Shenzhen Convention & Exhibition Center on March 19-21, 2021, and the exhibition venue, booth number and area of exhibitors will remain unchanged.

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[49th Power Sources Conference](#), 7-10 June 2021, Sawgrass Marriott Resort, Jacksonville, FL, USA

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.

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The 11<sup>th</sup> International Conference on Lead-Acid Batteries [LABAT'2021](#) will be held 8-11 June 2021 in the magnificent Golden Sands resort on the Bulgarian Black Sea coast ([www.labatscience.com](http://www.labatscience.com)). LABAT is a globally recognized scientific forum gathering leading battery experts, technologists and academic researchers from all over the world. LABAT'2021 technical sessions will once again offer an insight into the latest research



achievements and development trends in the field of lead-acid battery manufacture, operation and recycling, while the exhibition fair will present a perfect opportunity to showcase your new products and services.

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[1st EV & Stationary Battery Conference](#), Vitoria, Spain 2021 Dates TBD - Shmuel De-Leon Energy and CIC energiGUNE decided to organize yearly battery conference that will be a place to discuss and provide a platform for technological innovations and business opportunities in Spain and abroad. The conference will discuss the latest advances and innovation in Electric Vehicle's & Stationary batteries.

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### **Energy Storage North America & Intersolar North America | July 14-16, 2021**

The premier solar + storage events come together for the first time in Long Beach, CA—connecting installers, developers, utilities, technology providers, policy makers, and key stakeholders from around the world to advance the clean energy future. Learn more: <https://www.esnaexpo.com/sdl/>.

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[The Battery Show](#) - September 14-16, 2021 Headline: Ready to Inspire the Next Great Battery Application? Now in its 10th year, The Battery Show 2021 is North America's largest and most comprehensive annual trade show event for the advanced battery manufacturing industry representing the entire supply chain from raw materials through end-of-life battery recycling. Combined with the Electric & Hybrid Vehicle Technology Expo, this two-in-one event gives you a complete end-to-end view across the entire battery supply chain.

[Electric & Hybrid Vehicle Technology Expo](#) - Headline: Join the Auto Revolution at the EVT Show. Each year, engineers, innovators, and thought leaders converge in Novi, Michigan, for a conference and expo dedicated to the fast-moving EV and HEV drive train and power system industries. Combined with The Battery Show, this two-in-one event offers the latest in electric motors, cooling, converters, and charging as well as an end-to-end view across the complete battery supply chain.

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[eMove360 battery conference - Messe Munich, Germany 16-18/11/2021](#)

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