



## Shmuel De-Leon Energy - Battery Weekly Newsletter

April 10, 2020, No. 536

Sent to Battery industry members since 1/2010, [Join our mailing list](#)

### *Our advertisers & sponsors*



### **Battery Training**

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3-4/6/2020 Battery Seminar, Le Bourget Du Lac, France, [Program](#)

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29-30/6/2020 Battery Seminar, Graz, Austria, [Program](#)

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8/6/2020 Battery Safety Tutorial as part of AABC USA 2020 Conference San Diego, CA, USA [Program](#)

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18-19/6/2020 6th Li-Ion Cells Manufacturing Seminar, Rochester, USA [Program](#)

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27/7/2020 Battery Safety Tutorial as part of Florida International Battery Seminar, Fort-Lauderdale FL, USA [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***

[ZincFive takes aim at '\\$100M opportunity' after latest funding round](#)

[LG Chem Battery Plant In Poland Stays Online: Increases Productivity](#)

[BYD Introduces Fire And Explosion Resistant BAattery For Electric Vehicles](#)

[Rumor Mill: Audi To Build Battery Assembly Plant In Ingolstadt](#)

[Henkel, Covestro develop innovative solution for EV battery assembly](#)

[EV battery makers rush into Europe following Tesla's Giga Berlin project](#)

[China lithium-ion battery makers to delay shipments to US, Europe](#)

[Voltabox adjusts business prognosis for this year](#)

[PIN-TYPE LI-ION BATTERY MAINTAINS 80% CAPACITY AFTER 5000 CYCLES](#)

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

[Enovix Secures \\$45 Million from Investors and Customers to Produce and Commercialize its 3D Silicon™ Lithium-ion Battery](#)

[New Electrolyte Additives Enable EV Batteries Travel Longer Distances on A Single Charge](#)

[New battery plant planned for U.S.](#)

[Carbonized cotton fiber supported flexible organic lithium ion battery cathodes](#)

[High-voltage electrolyte gives lithium-ion batteries a boost](#)

[Posco Chemical invests W217.7b for EV materials facility](#)

[A battery breakthrough for titanium cathodes](#)

[Graphene Manufacturer Consolidates Battery, Energy Divisions](#)

[Archer Materials produces high-value coated spherical graphite for lithium-ion batteries](#)



NEI Corporation offers cathode, anode, & solid electrolyte materials for Lithium and Sodium-ion batteries, as well as cell fabrication and testing services. [Learn More »](#)

[infinity Lithium secures EU funding to develop Spanish San Jose lithium project](#)

[UCF-Developed Method Makes Lithium Batteries Safer at Extreme Temperatures](#)

[First Cobalt Produces Battery Grade Cobalt Sulfate](#)

[A new battery chemistry promises safer high-voltage lithium-ion batteries](#)

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

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

[Swansea University chooses Redflow flow-batteries for its renewable energy Active Building demonstrator](#)

[Two more giant batteries planned in UK, says storage pioneer selling power to Shell](#)

[MIT researchers use neural networks to speed materials design; 5 weeks vs 50 years for flow battery proof-of-concept](#)

[NEC: Energy storage opportunity in Japan likely to 'increase dramatically'](#)



You have the technology to make Electric & Hybrid Aircraft fly. But what about commercial viability, certification & implementation? Join the discussion on the reality of electrification of PAM, UAM, regional & narrow-body aircraft at our: **ELECTRIFICATION OF AEROSPACE DAYS**

EUROPE/E & H AIRCRAFT South of France 2020 27.–28.04.2020,  
Toulouse, France: <https://aerospace.euveris.eu/electric-eu/>

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More Electric Aircraft USA

May 12-14, 2020 Washington DC, USA

Pushing electrification of aviation by upscaling electric airplanes and discussing infrastructural needs

During a full three-days-program with lectures and interactive workshops, you will meet international experts to discuss, hear and learn about their experiences and challenges in the fields of More Electric & Hybrid Aircraft.

Download Agenda: <http://bit.ly/38sZiqJ>

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"Have innovation to enable the future of electric mobility? Breaking-Through Innovation Mobility Startup? Apply now for the [EcoMotion 2020](#) Startup Exhibition. May 19, 2020. Pavilion 1, Expo TLV"

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**[3RD EDITION EV CHARGING INFRASTRUCTURE FORUM](#) 21<sup>st</sup> – 22<sup>nd</sup>  
May, Porto, Portugal**

EV Charging Infrastructure Forum will gather energy and oil & gas companies, transmission/distribution companies, car makers, OEMs, battery manufacturers, technology providers, investment firms, government and regulatory agencies to discuss EV charging infrastructure development. The 3rd Edition is organized in partnership with Efacec, CEiiA, and EDP. As part of the Forum, a site tour to Efacec Electric Mobility Factory is organized.

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ACI's European Electric Vehicle Batteries Summit will be taking place in Rotterdam, the Netherlands on 3rd – 4th June 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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f-cell+HFC June 8+9, 2020 The Hydrogen and Fuel Cell Event being held at the prominent Vancouver Conference Centre. 50+ International Speakers, Trade Fair, Workshops and a celebrated Evening Event are included. Participate as a Sponsor, Exhibitor, or as a Visitor at this Canadian highlighted networking event. Follow us on social media #fcellhfc and watch the options grow on our website [www.hyfcell.com](http://www.hyfcell.com)

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**49th Power Sources Conference**, 15-18 June 2020, 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 IFBF logo and an announcement banner. The logo features the acronym 'IFBF' in large blue letters and the full name 'The International Flow Battery Forum™' in smaller text. The banner contains the following text: 'Postponed from June 2020 until 19 - 21 January 2021, Düsseldorf, Germany.' and 'We are delighted to announce will we hold our interactive web based IFBF showcase on the original date: Tuesday 30 June 2020'. A small image of a cityscape is visible on the right side of the banner.

**IFBF** The International Flow Battery Forum™

Postponed from June 2020 until 19 - 21 January 2021, Düsseldorf, Germany.

We are delighted to announce will we hold our interactive web based IFBF showcase on the original date: Tuesday 30 June 2020

Please note the change of dates for the International Flow Battery Forum. [The 11th International Flow Battery Forum](#) has been postponed from 30 June 2020 and will now take place between 19 – 21 January 2021 in Düsseldorf, Germany. The IFBF® has a unique combination of key note addresses, oral and poster presentations, seminars, and panel discussions and the programme covers recent progress, scientific, engineering and manufacturing issues, study of financial, marketing and commercial issues and will be relevant to renewable generation developers, smart grid operators, and all companies and businesses active in electricity supply. We will hold our interactive web based IFBF® Showcase on Tuesday 30th June 2020 to present and discuss the most important issues in our industry.

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[Battery Cells & System Expo 2020](#) - A major exhibition and conference for the advanced battery industry launches on 8th - 9th July 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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[1st EV & Stationary Battery Conference](#), Vitoria, Spain 13-14/7/2020 - 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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[International Battery Seminar & Exhibit conference 2020, Orlando, FL, USA – 27/7-30/7, 2020](#)

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**25<sup>th</sup> International Congress for Battery Recycling ICBR 2020, September 15 – 18, 2020, Salzburg, Austria**

ICBR 2020 is the international platform for reviewing the challenges faced by the Battery Recycling Industry on a global basis. ICBR will bring together the international community of experts and decision makers of the entire Battery Recycling value chain, including battery recyclers and producers, collection organizations, OEM's, policymakers, materials and services providers and many more. <https://www.icm.ch/icbr-2020>

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**BATTERY CONFERENCE AND EXHIBITION**

*The Battery Experts Forum 29/9-1/10/2020 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)*

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**f-cell Stuttgart, September 29+30, 2020 – the annual event for hydrogen and fuel cell professionals**

The networking event consists of a leading conference, providing an up to date overview of relevant hydrogen and fuel cell markets and technologies worldwide; an international trade fair, interactive workshops and topic tables, thus offering active networking opportunities. Register online for the conference or contact us to discuss your involvement. [www.f-cell.de](http://www.f-cell.de)

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**EV Charging Infrastructure and Technology Expo 30<sup>th</sup> September to 2<sup>nd</sup> October 2020 at MECC, Maastricht, Netherlands**

[www.mnmexpo.com/ev-charging](http://www.mnmexpo.com/ev-charging) The EV Charging Infrastructure and Technology Expo, the only international event in Netherlands focuses on bringing together key stakeholders like government, utility companies, municipalities, OEM's fleet owners, researchers and electric vehicle technology providers to discuss the growth opportunities in the EV Charging Industry through new infrastructures and technology. Learn about EV

Charging Infrastructure, Charging Technology, Battery Technology and Energy Storage.

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From October - TDB, Soteria Battery Innovation Group and NAATBatt will be co-hosting a workshop on Lithium-ion battery safety in Greenville, South Carolina. The workshop will kick off with a half-day battery safety training by Shmuel De-Leon Energy, followed by a full day outlining today's issues and potential solutions. The meeting will bring together different perspectives throughout the industry from the material level to the end user.

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[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 on 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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[The Battery Show Europe](#) : 15-17/10/2020 - 'Join 10,000+ industry peers at the leading meeting place for the advanced battery and H/EV technology community, where you can meet over 550+ leading suppliers. Running alongside the free-to-attend trade fair is an expert-led conference with speakers from top manufacturers such as Tesla, Aston Martin and Volvo. Use the code 'SDLE10' for 10% off conference passes.

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eMove360 battery conference - Messe Munich, Germany 20-22/10/2020

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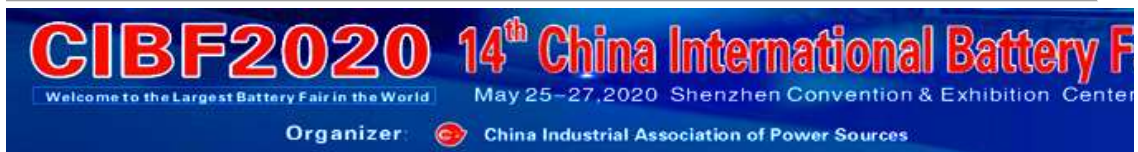
21-23/10/2020 - InterBattery is the only marketplace where world's leading battery manufacturers such as Samsung SDI, LG Chem and SK Innovation attend at the same time, and showcase their products capabilities. Exhibitors can meet both domestic and international key buyers and therefore make new business 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/>



The Battery Technology Show, 21-22 October 2020  
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)



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



China Industrial Association of Power Sources will hold the "14th China International Battery Fair (CIBF2021)" with over 110,000 m<sup>2</sup> area & 1350 exhibitors & over 5500 booths on **3-5/2021 - Final date TBD** in Shenzhen. CIBF2021 will be accompanied by the 5th China Energy Storage Exhibition and 3rd China Power Bank Exhibition. The theme of CIBF2021 technical conference will be "power batteries and energy storage batteries", focusing on electric vehicle batteries and micro-grid, smart grid and energy storage battery with a variety of the latest developments. There will be 1500 people from more than 50 countries and regions attend the meeting.



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)



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.



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.

**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)

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