

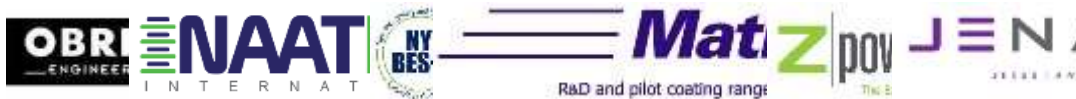


Shmuel De-Leon Energy - Battery Weekly Newsletter

March 20, 2020, No. 533

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

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Battery Training

27/7/2020 Battery Safety Tutorial as part of Florida International Battery Seminar, Fort-Lauderdale FL, USA [Program](#)

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

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

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

27/7/2020 Battery Safety Tutorial as part of Florida International Battery Seminar, Fort-Lauderdale FL, USA [Program](#)

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

[General Motors Will Answer Tesla With \\$20 Billion Electric Vehicle Push](#)

[GM Develops Lower Cost Ultium Lithium-Ion Batteries To Power New Electric Vehicle Line](#)

[More On Tesla's Switch To Prismatic Battery Cells For Chinese Model 3](#)

[GM Licensing Its New Battery Tech Could Put Tesla Out of Business](#)

[Eaton launches 5P lithium-ion UPS to enhance business continuity](#)

[Germany pumps millions into robotic car battery hub](#)

[LG Chem, GM Aiming to Mass-produce Next-generation Batteries Starting 2022](#)

[Samsung unveils new solid-state battery tech](#)

[Exide Technologies EFB Batteries Now Available at All Rural King Locations Nationwide](#)

[Volvo Cars inaugurates new battery assembly line at Ghent plant](#)

[Coronavirus forces LG Chem to delay battery spin-off](#)

[\\$21M battery plant awarded funding from Vandalia](#)

[EnerSys to Present the Latest Advances in Lithium-ion Battery Technology](#)

[Williams completes work on ETCR battery pack in seven months](#)

[EV battery production in South Korea and Japan continues amid COVID-19 outbreak](#)

[KUKA secures contract worth millions for a battery pack line](#)

[LIPLANET European battery cell pilot line network formed](#)

[ZellkoBatt project to further German battery production](#)

Raw & Battery Materials news

[Anson Resources' brine project produces battery grade lithium](#)

[Graphene enabled silicon-based lithium ion battery boosts capacity by 30%](#)

[EcoGraf successfully completes lithium-ion battery recycling trial](#)

[Standard Lithium Makes Better Than 99.9% Battery Quality Lithium Carbonate](#)

[New silicon-based material can charge the battery to 80% in -5 minutes](#)



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

[To Reduce Dependence on Made-in-Asia Batteries, Europe Must First Strengthen Its Carbon Industry](#)

[Organic Battery Breakthrough Makes Lithium-Ion Batteries More Environmentally Friendly](#)

[Potash mining could soon enter battery market](#)

[BlackEarth Minerals' graphite sample gets validated by world's largest lithium battery anode manufacturer](#)

Chargers & BMS News

[A 'Plug-And-Play' Electric Vehicle Battery Solution? Inside Webasto's New Modular CV Battery System](#)

Grid Energy Storage News

[Europe's largest battery installed in Minety in Wiltshire](#)

[RedT Energy gets green light to start work on Oxford battery storage project](#)

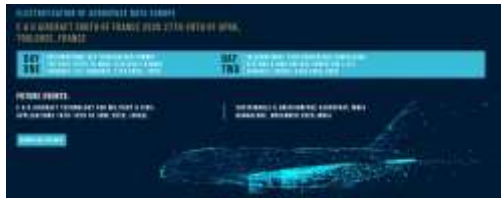


The Battery Technology Show & Future of Electric & Hybrid Vehicles, 21-23 April 2020

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



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/>



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/38sZjqJ>



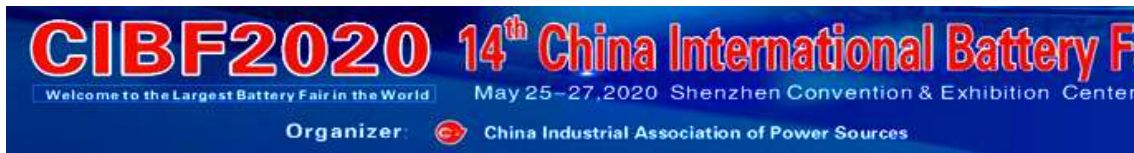
"Have innovation to enable the future of electric mobility? Breaking-Through Innovation Mobility Startup? Apply now for the [EcoMotion 2020](#) Startup Exhibition. May 19, 2020. Pavilion 1, Expo TLV"



[3RD EDITION EV CHARGING INFRASTRUCTURE FORUM](#) 21st – 22nd

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.



China Industrial Association of Power Sources will hold the "14th China International Battery Fair ([CIBF2020](#))" with over 110,000 m² area & 1350 exhibitors & over 5500 booths on May 25 to 27, 2020 in Shenzhen. CIBF2020 will be accompanied by the 5th China Energy Storage Exhibition and 3rd China Power Bank Exhibition. The theme of CIBF2020 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.



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 or phone +48 61 646 7047.



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.hyfc.com



[AABC USA](#) Conference, 8-11/6/2020, San-Francisco. CA. USA



The 11th International Conference on Lead-Acid Batteries **LABAT'2020** will be held **9-12 June 2020 in the magnificent Golden Sands resort on the Bulgarian Black Sea coast** (www.labatscience.com). LABAT is a globally recognized scientific forum gathering leading battery experts, technologists and academic researchers from all over the world. LABAT'2020 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 exhibitionfair will present a perfect opportunity to showcase your new products and services.



[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.



The eleventh International Flow Battery Forum will be held in Düsseldorf, Germany from 30th June – 2nd July 2020. The IFBF is the major international conference covering all aspects of flow battery research, development, technology, manufacturing and commercialisation. We are delighted to confirm the support of John Cockerill and Volterion as hosts for our visits at IFBF 2020. There will be an evening visit to one of Volterion's sites on

Thursday 2nd July and on Friday 3rd July we will visit John Cockerill's site at Seraing in Belgium. Registration is [open](#).



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.



[International Battery Seminar & Exhibit conference 2020, Orlando, FL, USA – 27/7-30/7, 2020](#)



25th 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>



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



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



From oCTOBER - TBD, 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.



EV Charging Infrastructure and Technology Expo 30th September to 2nd October 2020 at MECC, Maastricht, Netherlands

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.



[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.

THE BATTERY SHOW

EUROPE

[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.



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



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.

Shmuel De Leon Energy

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