

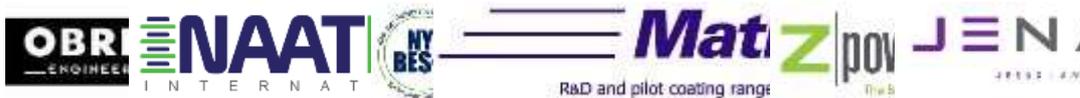


Shmuel De-Leon Energy - Battery Weekly Newsletter

February 28, 2020, No. 530

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

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Battery Training

30/3/2020 Battery Safety Tutorial as part of Florida International Battery Seminar, Fort-Lauderdale FL, USA [Program](#)

21/4/2020 Battery Safety Workshop as part of Soteria Battery Innovation Group and NAATBatt battery safety workshop, Greenville, SC, USA [Program](#)

5/5/2020 Battery Safety Tutorial as part of 3rd Medical Battery Conference, Seligenstadt, Germany [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](#)

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

[FDA delayed reporting, recalling faulty HF pacemaker for more than 1 year](#)

[GM's Lab Tortures Batteries In Preparation For Upcoming EVs](#)

[Rogue battery companies still a major concern when shipping lithium-ion by air](#)

[Saft Delivers Right-Sized Battery for Defense Applications](#)

[Incell certifies next generation Smart Lithium Batteries™ for US and Canada](#)

[VDL presents better battery pack for buses](#)

[Honeywell's Xtralis lithium fire safety tech: 'prevention is much better than cure'](#)

[China's EV Battery Deployment In January Shrunk By Half](#)

[A joint venture between Toyota and Panasonic is unveiled with the goal of making electric car batteries.](#)

[German battery maker Varta profits from wireless headset demand](#)

[Great Wall's SVOLT To Supply Batteries For European Carmaker](#)

[New Research Outcome Expected to Enhance Lithium Secondary Battery Performance](#)

[Tesla has a huge advantage: In-house battery production lowers cost, ensures supply](#)

[Battery-plant construction faces delay](#)

[Ultra-fast charging of lithium-ion cells for the mass global adoption of electric vehicles](#)

[How General Motors Tests Lithium Ion Battery Packs At Its Warren Tech Center](#)

[USITC ruling raises prospect of SK Innovation EV battery ban](#)

[Africa's growing lead battery industry is causing extensive contamination](#)

[LG Chem lithium-ion battery supply shortage causes halt to electric vehicle manufacturing](#)

[Apple Smart Battery Case review: 50% more battery for your iPhone 11](#)

[Tesla may have quietly acquired a new lithium-ion battery cell startup in CO](#)

Raw & Battery Materials news

[Ganfeng Lithium to increase BG lithium hydroxide prices by up to 10%](#)

[BASF announces Schwarzheide, Germany, as location for cathode active material production in Europe](#)

[Botswana: Nickel Batteries Headway for Electric Car](#)

[VCU researchers to develop next-generation, long-lasting 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 »](#)

[Lithium Producers Are Set To Surge](#)

[Blackstone: Battery technology, Solid state battery and Lithium- the biggest structural trend in the 21st Century.](#)

[Argosy Minerals fast-tracks lithium project development for emerging US battery market](#)

[American Battery Metals plans to bridge supply chain gaps by recycling expended lithium-ion batteries](#)

[Nippon Shokubai Succeeds in Improving Performance of Electrolyte for All Solid Polymer Batteries](#)

Chargers & BMS News

[Samsung's new battery banks have 25W charging, dual USB-C ports, wireless charging](#)

[Hella to supply battery management systems to European EV maker](#)

Grid Energy Storage News

[Melbourne energy storage startup set to charge into U.S. market](#)

[Battery storage, smartgrid, and energy efficiency companies raised \\$2.3 billion in 2019](#)

[Aussie startup Relectrify lands high-profile US clients to trial reusable battery tech](#)

[Giga-Sweden: Startup Northvolt plans 'greenest' ESS as well as EV batteries](#)

[Shell Energy Europe agrees supply deal from UK battery storage project](#)

[Energizer home battery storage play charged by CSIRO technology](#)

11th Int'l Rechargeable Battery Expo

BATTERY JAPAN

[BATTERY JAPAN 2020](#) is the Japan's largest B-to-B trade show for rechargeable battery industry to be held in Tokyo. The show scale has been increasing year after year and we are expecting to welcome 1,600* exhibitors & 70,000* visitors from all over the world. (*incl. concurrent shows)
Exhibit & Visit the show to expand your business in Japan and Asia!



f-cell+HFC April 1+2, 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



[International Battery Seminar & Exhibit conference 2020, Orlando, FL, USA – 30/3-2/4, 2020](#)



From April 21-23, 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.



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/>



[Battery Show Europe conference 2020, Stuttgart, Germany – 28-30/4/2020](https://www.batteryshow.com)



RRC Power Solutions GmbH and Shmuel De-Leon energy are pleased to invite you to participate in the [3rd Medical battery conference](https://www.batteryshow.com), which will take

place at the Hotel Columbus, Seligenstadt, Germany on May 4-5, 2020. The Conference for Medical batteries will meet to discuss and provide a platform for technological innovations and business opportunities with the latest updates in that fields in Germany and abroad. The conference is held once a year and is the leading and the only Medical Battery dedicated conference, bringing together participants from leading private and public battery and companies, start-ups, investors, academics and businesses that are interested in the Medical battery field.

Conference Web Site: <http://www.medicalbatteryconference.com/>



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.

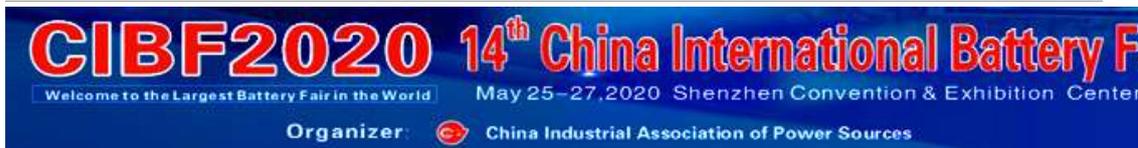
Download Agenda: <http://bit.ly/38sZjqJ>



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.



[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.



25th International Congress for Battery Recycling ICBR 2020, September 16 – 18, 2020, Salzburg, Austria

ICBR 2020 is the international platform for reviewing the challenges faced by the Battery Recycling Industry on a global basis. For the 25th consecutive year 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. The conference will offer participants business opportunities through networking and communication on Battery Recycling including the latest processes under development and industrial processes. Plenary sessions will be complemented by many side events such as round tables, exhibitions, posters presentations in order to

open the conference to innovative issues, processes and technologies.
<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



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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