

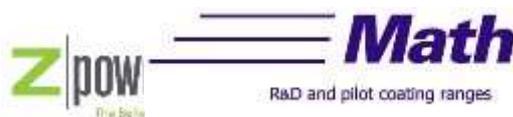
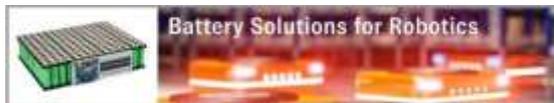


## Shmuel De-Leon Energy - Battery Weekly Newsletter

January 17, 2020, No. 524  
Sent to Battery industry members  
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21-22/1/2020 2nd Li-Ion Solid Electrolyte & Lithium Metal (Liquid & Solid electrolyte) Rechargeable Cells Manufacturing Seminar (USA). [Program](#)

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10/2/2020 Battery Safety Tutorial as part of NAATBatt 2020 Annual Meeting & Conference, Pasadena, CA, USA [Program](#)

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19-20/2/2020 2nd Solid Electrolyte Li-Ion Cells Production Technology Seminar Europe, Germany [Program](#)

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

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

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

[Shmuel De-Leon Energy provide a new Battery Daily News Service - Sign up fr free 30 days trial](#)

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

[Epsilor to Launch New Lithium Iron Phosphate 6T Battery at International Armoured Vehicles Conference in London](#)

[Graphene batteries: What are they and why are they a big deal?](#)

[Battery factory collapses in fire in New Delhi, killing 1](#)

[Suzuki, Toshiba & Denso to build battery factory in India](#)

[Varta warns Chinese firms on patent infringements, shares plunge](#)

[CES 2020: ProLogium's Solid-State Battery for Two Wheeled Vehicle Favored by European and Japanese Manufacturers](#)

[BMW Extended Its European Warranty For New i3 Batteries](#)

[Thin-Film Batteries Improve Implant Performance](#)

[CATL begins building battery factory in China](#)

[Farasis Energy Breaks Through the Electric Vehicle Market Thanks to ESI's Virtual Prototyping](#)

[The Return of the Lithium-Metal Battery](#)

<https://www.electronicweekly.com/news/business/li-ion-cell-operates-85deg-celsius-2020-01/>

[Zinc rechargeable battery gets UL verification](#)

[China's BAK, US Cadenza to Build Joint Super Battery Line in Shenzhen](#)

[VARTA : successfully completes acquisition of VARTA Consumer Batteries business from Energizer](#)

[Bentley to focus on solid-state batteries to drive its electric models](#)

[AEPPL to invest Rs37.15 billion in second phase of Lithium battery plant](#)

[Tesla Gigafactory 1: Panasonic ready to ramp up battery production to 54 GWh](#)

[The Army Is Shooting Battery Prototypes to Make Sure They Don't Catch Fire](#)

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

[Chenyu-Fuji's phase 1 lithium battery anode materials project commissioned in Hunan](#)

[SKC to complete takeover of world's top copper foil maker for US\\$1b](#)

[China launches NEV battery recycling regulations](#)

[Thin-film battery breaks energy storage record](#)



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

[Audi EV battery recycling trials succeed](#)

[Cabot Corporation to Acquire Shenzhen Sanshun Nano New Materials Co., Ltd](#)

[Asahi Kasei to Present Broad Range of Advanced Battery Materials at AABC Europe 2020 in Wiesbaden](#)

## [Next Generation Battery Materials Project Exceeding Expectations](#)

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

[Eaton and Green Motion bundle EV charging and battery storage](#)

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

[Declining Renewable Costs Drive Focus on Energy Storage](#)

[BLM advances \\$1 billion battery-backed solar project in Nevada](#)

[Taiwanese firm aims to supply batteries for Turkey's solar, wind plants](#)



Amprius and Shmuel De-Leon Energy will organize the [Amprius Forum Battery Event](#) to present Amprius company and products to invited attendants. 20/1/2020, Fermont, CA, USA



NAATBatt 2020, the 11th annual meeting of NAATBatt International, will be held February 10-13, 2020, at the Langham Huntington Pasadena hotel in Pasadena, CA. The program will focus on the advanced battery market in North America across multiple applications, including motive, ESS, military, consumer and industrial. The latest market trends, forecasts and technologies will be reviewed by leading experts in advanced battery markets and technologies. See: <https://naatbatt.org/2020conference/>



Join the most insightful and innovative conference in Europe and be part of the newest technological advancements in electric motor technologies.

Automotive IQ is due to hold the: [8th International Conference Advanced E-Motor Technology 2020](#), between the **10-13 February 2020** in Titanic Chaussee Berlin in Germany.

At the conference you will learn about:

- Learn about the **latest testing methods** and **optimization workflow** for **e-motor design**
- Get to know ways to **optimize energy management** and increase **range of autonomous EVs**
- Hear achievements shared by the industry committed to being **fully electric** with lessons learned and case studies from OEMs and Tier1 suppliers
- Meet leading OEMs from Europe and Asia and hear their views on the **e-motor architecture** and **design**
- Get to know **leading car makers** and e-motor manufacturers and hear about their **latest innovations** in the space



Battery Electric Vehicle Architectures (BEVA) Detroit Congress. 26-27 February, 2020, Detroit, Michigan, USA , [www.beva-detroit.com](http://www.beva-detroit.com)

BEVA Detroit is designed specifically to deliver realistic commercial options, technology strategies and engineering solutions in the way forward to mass market adoption of electric vehicles.

### 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.hyfcell.com](http://www.hyfcell.com)

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

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

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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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[Battery Show Europe conference 2020, Stuttgart, Germany – 28-30/4/2020](#)

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RRC Power Solutions GmbH and Shmuel De-Leon energy are pleased to invite you to participate in the [3rd Medical battery conference](#), 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/>

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

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The 11<sup>th</sup> 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](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'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.

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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 eleventh International Flow Battery Forum will be held in Düsseldorf, Germany from 30<sup>th</sup> June – 2<sup>nd</sup> July 2020 .The IFBF is the major international conference covering all aspects of flow battery research, development, technology, manufacturing and commercialization .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 2<sup>nd</sup> July and on Friday 3<sup>rd</sup> July we will visit John Cockerill’s site at Seraing in Belgium .**The call for papers is open .To submit your abstract visit :<https://flowbatteryforum.com/submit-abstract> .**The deadline for submissions is 31<sup>st</sup> January 2020 .



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.



**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)*



**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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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)

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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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