Shmuel De-Leon Energy - Battery Weekly Newsletter

March 19, 2021, No. 585
Sent to Battery industry members since 1/2010, Join our mailing list
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Virtual Battery Trainings

23-25/3/2021 Battery Seminar - Virtual (8 hours - 4 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - Program and registration

30/3/2021 Virtual Battery Safety Seminar – Early Warning (4 hours - 2 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - Program and registration

6-8/4/2021 EV & ESS High Voltage Battery Pack Design Virtual Seminar (5 hours - 2 parts of 2.5 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - Program and registration

Frontal Battery Training

18/5/2021 Battery Safety tutorial as part of The Battery Show Europe 2021, Stuttgart, Germany Program

23-24/6/2021 Battery Seminar, Le Bourget Du Lac, France Program

5/7/2021 Battery Safety Workshop as part of Battery Cells & Systems Expo, Coventry, UK Program

5/10/2021 Battery Safety tutorial as part of Battery Expert Forum, Frankfurt, Germany 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 fr free 30 days trial

Shmuel De-Leon Energy start to sell new High Energy Density Li-ion pouch cells with 330Wh/kg, 10Ah, 4.48V charging voltage, max discharge current 0.4C, 150 cycles - Purchasing the cells require to sign an NDA with the cell maker. Contact us for more details shmuel@sdle.co.il

Batteries and Super Capacitors news

Advantages of Lithium Iron Phosphate (LiFePO4) batteries in solar applications explained

Volkswagen announces Tesla Battery Day-like event, calls it 'Power Day'

Lion Electric announces the construction of its battery manufacturing plant and innovation center in Quebec

LG's plan to build a plant in the United States and Europe was revealed to produce brand new 4680 batteries for Tesla in 2023.

Volkswagen Shares a New Method of Recycling EV Batteries That Can Recover up to 95% of Materials for Potential Reuse

SGL Carbon SE: SGL Carbon receives 42.9 million euros funding under IPCEI for graphite anode materials (GAM) in lithium-ion batteries

Samsung SDI Increasing Investment for Better Batteries

Ultium Cells Battery Plant Construction Progress: March 8, 2021

Varta to launch EV battery production

EcoGraf (ASX:EGR) to collaborate with SungEel HiTech on battery recycling

Duracell and The American Academy of Pediatrics Join Forces to “Power Safely,” Helping to Further Educate and Drive Awareness to the Importance of Lithium Coin Battery Safety

Northvolt receives $14 billion battery cell order for Swedish gigafactory from Volkswagen

Samsung SDI moves to expand its battery plant in Tianjin, China

Battery tech firm Skeleton receives 51 mln euro grant from Germany

SK Innovation pushes nickel limits of EV batteries

Mercedes-Benz eCitaro Buses With Solid-State Batteries Recalled

Tiamat accelerates industrialization of Na-ion battery technology

LiNa and ion Ventures conclude successful test of pioneering solid-state sodium battery platform

Carmakers Desperate to Find Reliable EV Battery Supply

China’s Eve Energy Jumps After Committing Extra USD600 Million to New Battery Plant

LG Energy Solution to invest $4.5 billion in U.S. battery production

US Battery Manufacturing updates its AGM battery line with a new and improved performance deep-cycle design

Faradion, the world leader in sodium-ion battery technology, announces a collaboration and licensing deal with AMTE Power

Australia’s first lithium-ion gigafactory plans move closer to realisation with temporary plant

Hyundai Canada and Lithion Recycling Announce Agreement on Recycling of Hybrid and Electric Vehicle Batteries

russia: Rosatom is planning to build a battery plant

Apple researching battery swell detection with internal sensors on iPhone

The solid-state EV battery is taking shape

Lithium Battery Recycling and Second-Life Applications

ion Ventures and LiNa Energy Conclude Successful Test of Pioneering Solid-State Sodium Battery Platform

ElringKlinger secures major contract for supply of battery components

Raw & Battery Materials news

Rising Cobalt Prices Could Trigger Increased Investment Demand

Booming Electric-Vehicle Demand Supercharges Lithium Prices

Graphene nanotubes gain traction in automotive market: OCSiAl confirms compliance with IATF 16949

Cabot Corporation launches new ENERMAX™ carbon nanotube solutions

NEI Corporation offers a variety of commercial and custom produced electrolyte materials for all solid state batteries. Come see what we have to offer!

How Euro Manganese is supporting Europe's shift to electric vehicles

Japan's Asahi Kasei to boost Li-ion battery separator capacity at Miyazaki

Local battery material champions planning first-mover advances into new geographies

Lithium Australia's cathode material manufacturing process granted patent

Europe lagging in battery metals production – report

Chargers & BMS News

Maxim Precision Measurement ICs Achieve Double Battery Life for IoT Applications

Tesla China scratches sale of battery swapping facilities from business scope

Charge-up to set up 3000 EV battery swapping stations by 2024: Aims for 1 station every 2 km in Delhi

ChargePoint and Volvo Cars extend collaboration with launch of in-car app for recharge models

Grid Energy Storage News

Energy Australia to close Yallourn power station early and build 350 megawatt battery

Shell and Alfen have launched a pilot to trial an on-site battery-powered system to support ultra-fast EV charging

Redflow signs its largest global battery sale with Anaergia to supply energy storage in California

Eneon-ES 5.2MWh battery energy storage system

VRB Energy announces agreement for China's largest solar battery; a 100MW solar & storage project in Hubei Province

Wärtsilä to supply and maintain two major interconnected energy storage systems for Texas grid services

Boom in Utility Energy Storage Demand Drives Battery Research

German residential power battery sales to grow strongly

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

The Battery Show Europe : 18-20/05/2021 - Join industry peers over three days at The Battery Show & EV Tech Europe Digital Days. You can expect a virtual event filled with technical sessions, panels, workshops, networking opportunities and digital sourcing – all through an easy-to-use virtual platform. Take an educational deep dive into a conference program with some of the best and brightest minds across the advanced battery and H/EV supply chain. - **Virtual Event**

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.

InterBattery is Korea's leading battery exhibition showcasing various new products and technologies related to battery industry. InterBattery 2021 has now served itself as an exclusive business platform showing battery industry's forthcoming prospects since its first launch in 2013.
Discover Your Opportunity by Broadening Your Perspective and Relationship at InterBattery 2021!

The re-scheduled **11th International Conference on Lead-Acid Batteries, LABAT'2021, will be a VIRTUAL event to be held 8-11 June 2021.** 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.

Following the success of the 1st and 2nd event editions, ACI's European Electric Vehicle Batteries Summit will be taking place in Rotterdam, the Netherlands on 23rd – 24th June 2021. It will bring together industry leaders from major car manufacturers, off high road vehicle manufacturers & battery producers. Don't miss out on this excellent networking opportunity.
. Agenda Here

Conference info: Lithium-sulfur batteries are the most promising choice for future energy storage systems. The International Conference on Lithium-Sulfur Batteries (ICLSB) from June 28 till July 1, 2021 is providing the platform for renowned experts from science and industry to present the latest results, new materials, processes and applications in the field of lithium-sulfur batteries.

Conference website is: https://www.iws.fraunhofer.de/en/events/lithium-sulfur-conference.html

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Battery Safety Summit 2021 - Virtual - June 29-30/2021

BATTERY CELLS & SYSTEMS EXPO

Battery Cells & System Expo 2021 - A major exhibition and conference for the advanced battery industry launches on 7th-8th, July, 2021 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.

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/.

Solid State Battery Summit 2021 - Virtual - June 29-30/2021

OSLO BATTERY DAYS/2021

Shmuel De-Leon Energy and Hans-Schive will organize the 4th Oslo Battery Days Conference in Oslo, Norway, 23-24/8/2021

THE BATTERY SHOW NORTH AMERICA | electric & hybrid vehicle technology expo | north america

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.

26th International Congress for Battery Recycling ICBR 2021
September 22 – 24, 2021, Geneva, Switzerland
ICBR 2021 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.

Batteries Event 2021 will take place in Lyon, France, 28/9-1/10/2021.

September 29th - October 1st, 2021 - 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.)

BATTERY CONFERENCE AND EXHIBITION
The Battery Experts Forum 5/10-7/10/2021 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*

R-Zinc 2.0: Zinc Battery Meeting - 5-6 October 2021 in Brussels, Belgium, R-Zinc is a two-days event that will cover the progress of zinc-based rechargeable battery technologies in Europe and around the world. Used in primary batteries for decades, zinc is now considered as one of the most promising technologies for the fast-growing energy storage market. Abundant, inexpensive, non-toxic, safe and recyclable, it has all the qualities required to succeed in the rechargeable world and contribute to the reduction of global GHG emissions. Our conference offers a unique chance to attend battery tutorials, battery demos, a plant visit and high-level presentations to understand the challenges and opportunities unveiled by this emerging market - Visit our website at https://www.r-zinc.com/.

The Battery Technology Show, 26-27 October 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

2nd Future Battery Forum 2021, 15.-16. November 2021, ESTREL CONGRESS CENTER, Berlin: www.futurebattery.eu
"BATTERY EUROPE: MANAGING GROWTH AND ESTABLISHING LOCAL VALUE CHAINS"
The **management conference** brings together the entire value system of **battery technologies**: around **450 users, battery system & cell manufacturers** and **their suppliers** will spend two days exchanging information at this **event**, making new contacts and discussing how the industrial ramp-up with a **high market share of battery-driven solutions in**

Europe can be achieved.
OFFICIAL LANGUAGES: German

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eMove360 battery conference - Messe Munich, Germany 16-18/11/2021

The 5th FENIBAT will gather in Londrina, Paraná, Brazil, from November 17 to 19, 2021, the Brazilian and Latin American battery and lead recycling industry with its international suppliers though 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 Battery Show Europe : 30/11-2/12/2021 - Join industry peers at the leading meeting place for the advanced battery and H/EV technology community, where you can meet over 500 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. - **On Line Event**

AABC USA - 7-9 December 2021

March 16-18, 2022 - Rechargeable batteries attract attention year after year in the fields of automobile/housing/business applications and mobile

applications. BATTERY JAPAN 2022 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!
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International battery seminar & exhibit 2022 - March 28-31/2022

AABC Europe - 13-15 June 2022

49th Power Sources Conference, 20-23 June 2022, 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.

1st EV & Stationary Battery Conference, Vitoria, Spain 2022 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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