

# Shmuel De-Leon Energy - Battery Weekly Newsletter

April 8, 2022, No. 640
Sent to Battery industry members since 1/2010, Join our mailing list

Battery Industry Upcoming updated list

Battery market reports 2022

## Our advertisers & sponsors



Li-Ion Cells Manufacturing Virtual Seminar - 26-27/4/2022 - 7 hours training - <u>Program & Registration</u>

16-18/5/2022 Battery Virtual Seminar (8 hours - 4 parts of 2 hours each) - 16:00 PM Central Europe Time, 10:00 AM EST USA Time - Program and registration

31.5-1/6/2022 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

20-21/6/2022 - 2nd EV Hands-On Battery and Production Seminar - <u>program</u> and registration

7-8/9/2022 - 8th Li-Ion Cells Manufacturing Seminar - program & registration

# Special Offers

Shmuel De-Leon Energy support customer with Li-Ion cells supply problems via our Far East cell suppliers - Join our cells customers group and get a weekly update with cells allocations and offers. send us request to be added to our cells customers group.

<u>Shmuel De-Leon Energy provides an on-demand purchasing services for</u> 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

# Batteries and Super Capacitors news

CATL to launch battery production in Germany this year

Ruchira Green Earth takes the lead in EV Batteries manufacturing in India

Feds open investigation into electric, hybrid vehicle batteries

Faraday Battery Challenge Investment Readiness Programme 2022

Navigating safety, interoperability, and conformance in e-mobility

American Battery Solutions Announces Re-launch of Springboro, Ohio Manufacturing Facility with Added Capacity to Meet Growing Lithium-ion Battery Demand

SK On plans to set up a square battery trial production line within this year.

LFP Battery News — Is The End Of Nickel In Sight?

Valmet hits record for battery production in 2021

Magna to build \$40M EV battery housing plant in Ontario to supply Ford F-150 Lightning

China's Eve Energy Soars on Plan to Build EV Battery Plant in Hungary

China's Yunnan Energy Soars on USD708 Million Plan to Build Lithium-Ion Battery Separator Plant

With a New CEO at the Helm, Battery Start-Up Theion Unveils Crystal Battery for all Mobile Applications

SK On produces 'prismatic' battery packs

Electrovaya showcases various lithium-ion battery systems

Startup Italvolt Signs Deal With Engie's Equans In Italy Battery Facility Plan

Ola Electric Scooter Fire Raises Questions Over Widely Used Lithium-Ion Batteries in EVs; Are They Hazardous?

UBC Millwrights supports large-scale lithium-ion battery plant, Windsor

Vietnamese carmaker selects N.C. for electric vehicle assembly plant

GM's Ultium Electric Car Platform Technology: Everything You Need to Know

Maxell Within the Future: The Next Generation

Blackstone Technology gets EUR-21m grant to develop sodium-ion battery

## **Battery Materials news**

Posco Chemical to build new battery cathode factory at Pohang

Retriev Expands Battery Recycling Scope

Toray Inaugurates HUF 127 Bn Battery Separator Film Plant

Biden Poised to Use Cold-War Powers to Boost Battery Metals

Recharge Resources Adds Beaver South Nickel Project to Battery Metals Portfolio

Korean battery copper foil companies to place orders worth over 200 billion won



<u>NEI Corporation</u> is now offering custom produced, pre-cut electrodes. The new product complements our extensive line of materials and testing services for both lithium-ion and sodium-ion batteries.

Use of Double-Layer Polymer Electrolytes in Li-ion Batteries

<u>Lithion Recycling Receives \$22.5 million in Funding from the Quebec</u> Government

<u>Lotte Chemical to Invest KRW10tr in Hydrogen and Battery Materials by 2030</u>

# Chargers & BMS News

Stellantis and the CEA collaborate on battery modeling

Panasonic Makes \$5 Billion Investment For EV Batteries & Management

#### Software

Gachaco starts EV battery swapping service in Japan

## Grid Storage Batteries News

<u>CSIC presents its prototype vanadium battery for large-scale electrical energy storage</u>



The Battery Technology Show, 5-7 April 2022, TCF Centre, Detroit, USA, Innovation in battery technology is moving at an incredible pace, with applications across every aspect of our lives, whether automotive, aerospace, manufacturing or consumer technology. 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. https://batterytechnologyusa.com/home



E-TECH EUROPE 2022 is the international event for innovative electrical and electronic technologies which will take place in the prestigious Bologna Exhibition Center, (Italy) on 12-13 April 2022. The fair wants to position itself as the reference point for the next industrial and economic "green revolution", which will involve the entire supply chain across the electrification and electronics sectors, in particular for the automotive world.

For more information, please visit our website: https://e-tech.show/



Location and Date: Washington, DC: May 16 - 18, 2022

**URL:** <a href="https://www.iqpc.com/events-more-electric-aircraft-usa-d-c">https://www.iqpc.com/events-more-electric-aircraft-usa-d-c</a> **More Electric Aircraft USA East Coast** brings together pre-screened stakeholders to ensure maximum knowledge transfer and professional exchange. Join us for our **three-days-program** with lectures and interactive workshops and meet international experts from **OEMs**, **suppliers**, **associations**, **and academia**. **Connect** to learn about changes, experiences, and challenges in the fields of More Electric & Hybrid Aircraft. Are you ready?

Cost Effective Vehicle Architecture Design & The Parallel Development Of Fuelling Infrastructure
Hydrogen Fuel Cell, Battery Electric Trucks & Commercial Vehicle
TECHNOLOGY & INFRASTRUCTURE SOLUTIONS 2022

-- Compare Cost & Performance Of Inchapper & Retarly Electric Systems For Honey & Medited Data Vehicles --- Developing & Fuelling Statems For Charging, Stronge & Fuelling --

May 18-19, 2022, For the first time ever, a comprehensive comparative analysis of hydrogen fuel cells and electric batteries will be undertaken, exploring the latest technological breakthroughs to make both more affordable and adaptable to heavy-duty vehicles. The commercial implications for fleet operators will be fully drawn out, comparing the total life cycle assessments for both.



The 5th FENIBAT will gather in Londrina, Paraná, Brazil, from May 22 to 24, 2022, 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.



Cathode Summit 2022 - Virtual - May 24-25, 2022



Following the success of the 1st and 2nd event editions, <u>ACI's European Electric Vehicle Batteries Summit</u> will be taking place in Rotterdam, the Netherlands on  $8^{th}-9^{th}$  June 2022 . 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 <u>Here</u>



AABC Europe - 13-15 June 2022



June 21-22, 2022 - The Battery Electric Vehicles Architectures USA Congress 2022 is pitched at the whole vehicle systems design level to help OEMS and tier 1-3 supplier partners understand the key engineering trends and new technology applications for the next generation of B.E.V.s. **Topics like these on improving energy efficiency, balancing thermal performance and weight reduction** are amongst the key engineering themes driving many of the OEM panel presentations





<u>The Battery Show Europe</u>: 28-30/6/12/2022 - 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. - **Messe Stuttgart, Germany.** 



<u>Battery Cells & System Expo 2022</u> - A major exhibition and conference for the advanced battery industry launches on 29th-30th, June, 2022 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 Experts Forum**

THE international expert platform for the latest trends, product developments and solutions in battery technology will be back in 2022. Three days full of inspiring presentations, informative exhibition stands and active networking await you from July 12-14 at Messe Frankfurt. Register now and book your exclusive booth space for your company or get your conference ticket to an affordable early bird price! More information on <a href="https://www.battery-experts-forum.com">www.battery-experts-forum.com</a>



Solid State battery summit 2022 - August 2-3, 2022 - Chicago, IL, USA



Hans H. Schive from Asker, Norway together with Shmuel De-Leon Energy will

organize the 4th Oslo Battery Days conference in Oslo, Norway, August 22-23, 2022.



The 4th International Symposium on Magnesium Batteries (MagBatt IV) will take place from September 6 to 8, 2022 in Ulm, Germany. As always we will welcome some of the world's top battery speakers. This time we extend the program with calcium, zinc and aluminum batteries.

Web: https://www.postlithiumstorage.org/en/magbatt-iv



The Battery Show - September 12-15, 2022 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.



The 6th World Energy Storage Day- Global Conference and virtual Expo (GCE), which will be held on 22 September 2022. WESD is a global movement initiated by various apex trade bodies working to promote and adopt energy storage, e-mobility & green hydrogen technologies for a sustainable future. This event is one of the largest open global event in this domain. The program highlights include: Country roundtable, Technology

workshop, Partner seminar, Virtual tour, Start-up pitch, Product launch, Networking lounge, Virtual expo, Media corner



The 12th Battery Safety Summit 2022 - October 17-19, 2022



<u>Batteries Event 2022</u> will take place in Lyon, France, 18-22/10/2022. Our ambition: to be a must-attend event for those who want to meet with high level representatives and have a clear vision of the profound transformations to come, made possible by the massive growth of the battery industry in Europe. We will welcome you in Lyon, from October 18 to 21, at Palais des Congrès. We expected +500 attendees, 100 international speakers and +60 booths.

Site: <a href="https://batteriesevent.com/">https://batteriesevent.com/</a>

Linkedin: https://www.linkedin.com/in/batteries-event-lyon-france-

896140146/

Twiter: @BatteriesEvent



AABC USA - 5-8 December 2022



16-17 March 2023 - Rechargeable batteries attract attention year after year in the fields of automobile/housing/business applications and mobile applications. <u>BATTERY JAPAN 2023</u> is the world's largest\* exhibition specialized 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.)



The 15th China International Battery Fair (CIBF2023), organized by China Industrial Association of Power Sources, was originally planned to be held in Shenzhen Convention & Exhibition Center. 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 17-29, 2023, and the exhibition venue, booth number and area of exhibitors will remain unchanged.



International battery seminar & exhibit 2023 - March 20-23/2023



InterBattery2023, first launched in 2013 in Seoul, Korea, is Korea's leading battery exhibition showcasing various new products and technologies related to battery industry. Running concurrently as a part of 'Energy Plus', it attracts over 900 domestic and overseas exhibitors and 1,500 booths! Discover Your Opportunity by Broadening Your Perspective and Relationship at InterBattery 2022!



<u>49th Power Sources Conference</u>, TBD 2023, 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.

#### **Shmuel De Leon Energy**

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