



## Shmuel De-Leon Batteries, Super-Capacitors, Fuel-Cells & EV's Weekly Newsletter

October 11, 2019, No. 510

Sent to more than 160,000 Energy Storage industry members

Serving the industry since 1/2010

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### ***Battery Training***

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21-22/10/2019, 1st Vanadium Redox Flow Battery Seminar, [Program](#)

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18-19/11/2019, 5th Li-Ion Cells Manufacturing Seminar, Rochester, NY, USA, [Program](#)

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25-26/11/2019, 2 Days Battery Seminar, Wezep, Netherlands, [Program](#)

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10/12/2019 Battery Safety Tutorial as part of 5th Annual Sensor Summit, San Diego, CA, USA, [Program](#)

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14/1/2020 Battery Safety Tutorial as part of AABC Europe, Wiesbaden, Germany [Program](#)

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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](#)

### ***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 for free 30 days trial](#)

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

[DOE announces 15 Phase 1 winners of Battery Recycling Prize](#)

[Battery Giant CATL to Build \\$1.4 Billion Production Base in Sichuan](#)

[Interplex introduces Cell-PLX battery interconnect systems](#)

[Future Lithium-ion Battery Producer's New York Battery Plant gets tick of approval](#)

[Samsung SDI To Supply Akasol With 13 GWh Of Batteries By 2027](#)

[CATL reveals new cell-to-pack platform at IAA](#)

[Webasto begins battery production in Germany](#)

[Energizer sues Warren Buffett's Duracell over 'Optimum' battery claims](#)

[US Air Force Contract Awarded to ZAF Energy Systems for Nickel-Zinc Battery System](#)



[AMETEK Specialty Metal Products](#) manufactures **99.98% Purity Nickel Strip** made by wrought Powder Metallurgy technology. Our process produces high conductivity materials used in collectors and connector tab for many battery chemistries and offers major advantages in rechargeable battery production:

- Highest Conductivity Nickel
- Consistent Chemistry Control
- Standard and Custom Sizes & Tempers
- Short Lead-times
- Small Minimum Order Sizes

Find out more [here](#)

[FDA Approves Abbott's "Low Dose," Recharge-Free Spinal Cord Stimulation System with up to Ten Year Battery Life\\* for People Liv](#)

['No financial stress at Eveready'](#)

[Williams racing engineers build higher density EV battery](#)

[SK Innovation To Build Battery Plant In China With EVE Energy](#)

[Altair adds Sendyne battery system simulation software to support advanced EV battery systems design](#)

[ecovolta battery system cuts logistics costs](#)

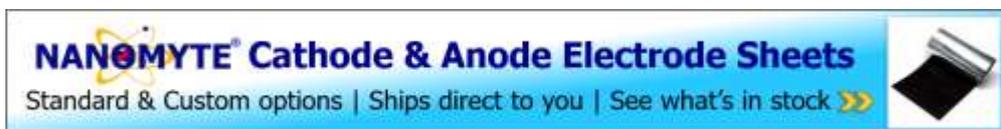
[LG Chem files additional U.S. lawsuits over EV battery patents](#)

[U.S. Battery Producer Celgard Files Lawsuit for IP Theft](#)

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

[Umicore and LG Chem enter cathode supply deal](#)

[EV batteries to drive 9x graphite growth](#)



[NEI Corporation](#) supplies cathode and anode electrode sheets for lithium-ion batteries in packages of 2, 5, and 10 sheets. Standard sheets are ready-to-ship or can be customized to your specification. Request your quote today!

<https://www.neicorporation.com/products/batteries/cathode-anode-tapes/>

[Panax to double electrolyte output within three years with second plant](#)

[South Dakota university to create international center for solid-state batteries](#)

### ***xEV`S News***

[BMW wants more fully electric models](#)

[Volvo Cars preparing to introduce all-electric XC40 SUV; focus on safety](#)

[Fox plans to produce 12,000 Mia 2.0 per year](#)

[Gogoro expands range with ultra light scooter](#)

[SAS and Finnair join Nordic Network for Electric Aviation](#)

[Tesla takes aim for 100,000 Q3 deliveries](#)

### ***Chargers News***

[Battery vehicle recharging project launched](#)

[Alstom develops conductive charging for electric buses](#)

[Microsoft launches new Surface Hardware this week that might include their patented Smart Battery Ultrafast Charging](#)

[Battery management specialist Titan AES raises USD 10m](#)

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

[New Redflow partner predicts battery boom as WA solar tariffs end](#)

[Panasonic launches new residential solar battery](#)

[NEC picks Ambri's liquid metal battery for 'longer duration' ESS projects](#)

[Electrovaya secures new credit facility to fund Walmart battery purchase](#)

[orders](#)

[Narada Signed a Cooperation Agreement with EDF Renewables on Advancing Battery Storage Projects in China](#)

[CATL wants to deliver LFP batteries for ESS at 'multi-gigawatt-hour scale' into Europe and US](#)

## ***Fuel Cells News***

[Hyundai gives details on H2 trucks for Switzerland](#)

[Bloom Energy and Samsung Heavy Industries team up to build ships powered by solid oxide fuel cells running on natural gas](#)

[Toyota preparing next-gen Mirai fuel-cell car for 2020 launch: chairman](#)

[Van Hool battery-electric and fuel cell buses](#)

[Hyundai & Cummins to cooperate on FCEVs](#)



EverZinc organizes “[R-Zinc](#)” : The First European Rechargeable Zinc Battery Meeting. R-Zinc is a full-day international event that will take place on October 15, 2019 at Nine One Brussels, in the heart of the European District. The goal of this initiative is to bring together zinc suppliers, battery makers and potential end-users to support the development of zinc-based batteries in Europe.



[AABC](#) was excited to return to Japan in 2018 with an event that promises to build on the success of our US and European conferences, while focusing on the unique drivers, needs, and challenges of the diverse Asian market. With sessions covering topics from raw materials through research and development findings in novel battery chemistries and new approaches to cell and pack engineering, as well as applied technologies in the next generation of electric and hybrid vehicles, AABC Asia was an invaluable opportunity to discover the latest trends, technology and

market information. If you missed the first AABC Asia, please see the [event highlights](#).

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[eMove Battery conference 2019](#) München in parallel to the trade fair eMove360° Europe 10-15/10/2019

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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 2019, provides you the diversity of concurrent events, differentiated services such as B2B matchmaking, accommodation, 24/7 promotions. Join the InterBattery 2019, where more than 200 companies, 30,000 buyers attend. <http://interbattery.or.kr/en/>

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The International Energy & Power Supply Conference and Exhibition

22-24/10/2019 – Nice, France - For 20 years, the Batteries event still remains one of the World's most attractive event and the meeting place of technologies (lead acid, NiMH, Li-ion, Post Li-ion), applications (from micro batteries to large format batteries) and of the value chain (chemists OEMs and end users). Batteries 2019 will focus on battery market and battery recycling market issues, latest trends and will allow you to meet new partners and customers! <https://www.batteriesevent.com/>

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Nelson Mandela University in Port Elisabeth, South-Africa together with Shmuel De-Leon Energy organizing the [2nd Batteries & Electric Vehicle Conference](#) in Port Elisabeth South Africa, 31st October – 1st November 2019.

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IBTE is the leading exhibition in Shenzhen specializes in the whole lithium battery industry, gathering the industrial chains from Lithium Battery Materials & Equipment & the Lithium Battery makers to EV & Charging Pile & Energy Storage & Fuel Cell and related industry, the show is dedicated to be the global purchasing platform for the prosperous development of Chinese new energy market. Join us to discover latest technology and new trends in China.

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International EV Batteries 2019: Cost-Effective Engineering for Hybrid and Electric Vehicles, London, United Kingdom, 5-6, November 2019 [www.imeche.org/evbatteries](http://www.imeche.org/evbatteries) International EV Batteries 2019 will continue the discussion around the latest engineering design processes and best practice in battery application. Address the lifecycle of the battery from its initial design and manufacture to the end of life process. Discuss methods to manage battery use and application with OEMs, battery manufacturers, battery management systems providers and academic institutions.

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The 2019 Fuel Cell Seminar & Energy Exposition (FCS&EE) will take place November 5-7 2019, in Long Beach, California. Whether you are involved in fuel cell, hydrogen, or component research and technical development, or focused on moving the industry forward through regulatory work, deployments, partnerships, strategy, or stakeholder outreach, consider submitting an abstract for an oral or poster presentation at the FCS&EE. The full list of topics and sub-topic areas and submission information can be found at <https://www.fuelcellseminar.com/abstracts>. Abstract submissions are due by May 31, 2019.

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48V Conference: 7th International Conference: Automotive 48V Power Supply Systems, 11-14 November 2019 | Hotel Palace Berlin - Berlin, Germany, Automotive IQ presents the world's largest and longest running international conference with a pure focus on 48V case studies and experiences. After several years of investigating, planning, and optimizing the technology, 48V powered mild-hybrid cars are finally becoming a reality. Various OEMs are putting models— and not only in the premium segment – on the market. The next stage is to determine what more is possible and how to make this technology a standard for the mass consumer market. DOWNLOAD THE AGENDA:

[http://bit.ly/Agenda\\_48V\\_2019](http://bit.ly/Agenda_48V_2019)

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[eMove360° ASIA Conference 13-15/11/2019](#)

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4th Annual ASEAN Solar+ Energy Storage Congress & Expo 2019 has made its name as the largest congress focusing on solar and energy storage market in ASEAN region. This year, the event will be back to Manila on Nov 14-15, meanwhile, launching the region's first Floating Solar Summit "Floating Solar ASEAN 2019" as concurrent show.

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[NASA Aerospace Battery Workshop 2019 conference, 19-21/11/2019](#)

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Shmuel De-Leon Energy will organize the [8th Israeli Battery Conference & Seminar](#) in Kefar-Saba, Israel, 16-18/12/2019.

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[AABC Europe 2020 conference, Wiesbaden, Germany – 12-16/1/2020](#)

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[The 11th Annual Meeting of NAATBatt International](#) will set a new standard for meeting amenities and networking opportunities for senior executives in the North American battery industry. NAATBatt has decided to move its 2020 meeting and conference from March to February in order to avoid the exceedingly busy month of March on the battery conference circuit. More information about NAATBatt 2020 will be available soon.

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## **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!

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

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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/>



The 11<sup>th</sup> International Conference on Lead-Acid Batteries [LABAT'2020](http://www.labatscience.com) 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 exhibition fair will present a perfect opportunity to showcase your new products and services.



[49th Power Sources Conference](http://www.psc2020.com), 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.

**Shmuel De Leon Energy**

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