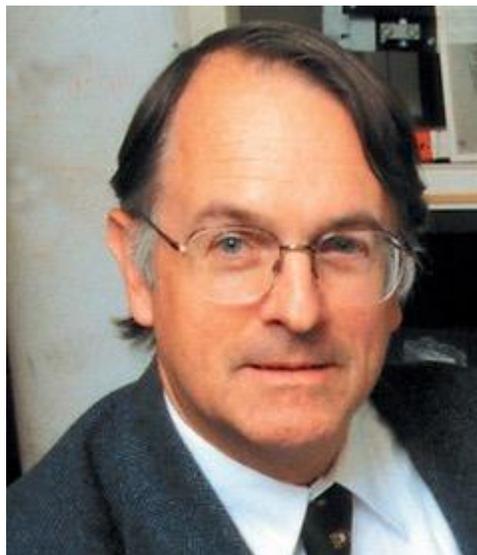




NEW YORK BATTERY
AND ENERGY STORAGE
TECHNOLOGY CONSORTIUM

NEWSLETTER

October 10, 2019



*Dr. M. Stanley Whittingham
Nobel Prize Laureate and NY-BEST Board Member*

NY-BEST is pleased and proud to share the news that Dr. M. Stanley Whittingham - SUNY Distinguished Professor, Member of the National Academy of Engineering, Director of the NECCES EFRC at Binghamton University and NY-BEST board member—was awarded the 2019 Nobel Prize in Chemistry for his groundbreaking work on development of the lithium-ion battery. Stan shares the award with John B. Goodenough and Akira Yoshino for their contributions. Dr. Whittingham has been an active and highly engaged board member of NY-BEST since our founding in 2010 and over the years has graciously shared his insights and knowledge at many NY-BEST events and conferences (most recently just last week as a member of the Expert Roundtable at our Energy Storage Innovation Conference in Rochester). We offer our hearty

congratulations to a true luminary in the battery field...and a great friend and colleague. This work has truly changed the world for the better and will surely continue to do so.

I'd like to thank everyone who made our recent technology and innovation conference the great success that it was. Panels and presentations throughout the day highlighted emerging and growing opportunities for storage, technology advancements and the role for storage in meeting New York State's nation-leading climate and energy goals. I offer my thanks to the presenters, attendees and sponsors for their support and engagement. If you weren't able to make it, I hope you will mark your calendar for ["Capture the Energy 2020"](#) to be held in Albany next year on April 1 and 2.

As part of the Energy Storage Innovation Conference last week, students from around the State submitted posters and made brief presentations during the conference to share their energy storage-related research efforts. Attendees had opportunities to speak with students about their work and vote for the top posters. This year's winners included Sanjuana Stalin of Cornell University, 3rd place; Courtney McHale from Rochester Institute of Technology, 2nd place; and Taylor Juran of Binghamton University in First Place. Congratulations to the winners and to all the presenters.



Dr. William Acker with student poster session winners Taylor Juran (Binghamton) and Courtney McHale (RIT)

Finally, I'd like to make sure you are aware that NY-BEST has assembled leading experts in battery testing, codes and standards to present a four-part webinar course covering the essentials on this subject and geared specifically to busy professionals working in battery and energy storage system deployment. The series, ["Battery Testing, Codes and Standards"](#), includes speakers from NY-BEST members, CSA

Group, UL and DNV GL and will provide attendees with an excellent understanding of the current testing requirements and codes and standards related to batteries. The first installment in the series will begin tomorrow on Thursday, October 9 at 4:00PM ET and continue on the following three Thursdays at the same time. More information and registration can be found [on the NY-BEST website here.](#)

I invite you to join NY-BEST and other industry participants at the upcoming [Energy Storage North America \(ESNA\)](#) to be held in San Diego on November 5-7. ESNA is the largest conference and expo for grid-connected energy storage in North America. Reasons to attend ESNA include the opportunity to meet utility decision makers in North America and learn how they are designing solutions to decarbonize the grid with renewables and energy storage, to connect with the most advanced energy storage solution startups from Silicon Valley and beyond and to hear keynotes from industry thought leaders and market makers. NY-BEST members can receive a 10% discount on their registration. Please email us at info@ny-best.org for the registration code you will need to receive your discount. [More information about the conference and registration can be found here.](#)

Best Regards,



William Acker
Executive Director



Upcoming Events

Battery Testing, Codes, and Standards: A Primer for Energy Storage Professionals

Oct 10 4:00 pm - Oct 31 5:00 pm

NY-BEST Capture the Energy 2020

Apr 1 7:45 am - Apr 2 1:30 pm

Save the date for NY-BEST's Annual Conference Capture the Energy, April 1-2, 2020

Member Spotlight: WEG



WEG's battery energy storage solutions (BESS) business is developing grid-scale projects in the U.S. and providing turn-key equipment and services around the world. The team (acquired in February 2019 from Northern Power Systems) has been designing and building battery systems and other...

Latest News

The Latest News From The Battery And Energy Storage Industry

Funding Opportunities

NY-BEST members received information in this newsletter about upcoming funding opportunities. Becoming a member is easy and economical. Visit <http://www.ny-best.org/Join> for more information.

If your organization is a NY-BEST member, [simply login](#) to access all funding opportunities.

No account? Click "Create New Account" from the [login page](#).

NY-BEST Member News

[GE's systems selected for 100MWh of projects by developer Convergent](#)

GE Renewable Energy, an arm of the US engineering giant, will supply 100MWh of battery energy storage systems (BESS) to three projects being developed by Convergent Energy + Power in California.

[Nobel Prize in Chemistry 2019 Awarded to Lithium-Ion Battery Innovators](#)

The Nobel Prize in Chemistry 2019 is awarded to John B. Goodenough, M. Stanley Whittingham (NY-BEST Board member) and Akira Yoshino for their contributions to the development of the lithium-ion battery.

[New York Electric School Buses to Feed Power Grid](#)

There's no revving as the engine of yellow school bus number 772 accelerates uphill, and no fumes as it pulls into the parking lot of a White Plains, N.Y., elementary school.

[New York advances toward 3 GW storage goal with 316 MW project to replace gas peakers](#)

The New York Public Service Commission (PSC) recently announced a hearing for a battery-based energy storage facility with a capacity up to 316 MW at the Ravenswood Generating Station in Long Island City, Queens.

[Long Island leads the state in electric vehicle use, report says](#)

Of the 42,529 all-electric and electric hybrid vehicles registered in the state as of June, 30 percent were on Long Island,

[NY's largest energy storage system completed in Albany region](#)

Key Capture Energy has completed its 20-MW battery storage installation and kicked off an ambitious New York state program surrounding incentives to develop energy storage deployment. The project, called KCE NY1, is located in the Capital Region

[Tesla Semi electric trucks roll into Frito-Lay plant](#)

PepsiCo is introducing 15 Tesla Semi electric trucks at its Frito-Lay manufacturing site in Modesto, California.

[New York Utilities Release RFPs for Large Energy Storage Systems](#)

The RFPs seek contracts for up to seven years during which the developer will own and maintain the energy storage system.

[Viewpoint: Energy storage tax credit will boost green economy](#)

While a federal "Green New Deal" will be challenging to implement, New York is moving

full speed ahead by passing legislation aimed at transforming its energy sector to the clean economy of the future.

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News From Beyond New York

[Senate committee advances bill on Energy Storage](#)

Leadership of the Senate Energy and Natural Resources Committee advanced a legislative package to promote energy storage.

[Nothing Standing in the way of energy storage's "explosive growth" : Navigan](#)

The biggest driver of growth going forward — outside of cost — is likely to be the development of new market opportunities and value streams that are opened up by favorable federal and state regulations.

[Home Energy Storage Capacity Breaks Records In US](#)

Additions of new residential energy storage capacity in the United States reached a record high in the second quarter of the year, exceeding 30 MW, a new report by Wood Mackenzie says.

[Electric pickup, batteries included in GM's \\$7 billion pledge](#)

An all-electric pickup truck and an advanced battery system will be part of the \$7 billion that General Motors Co has pledged to invest in the United States

[The Climate Strike Inspires. So Do These 5 Signs of Clean Energy Progress](#)

Clean energy progress certainly doesn't take away from the urgency of the climate crisis, or our need to really get our act together on addressing it.

[As battery fires spark ongoing concerns, NFPA releases standards to address risks](#)

The NFPA 855 standard provides requirements based on different technologies used in ESS.

[Nexamp riding New York, Massachusetts battery boom with flurry of new projects](#)

US solar and storage developer Nexamp is to deploy its maiden energy storage projects, clinching a six-strong portfolio of assets totaling 51MWh.

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