



CalCharge

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CalCharge Announces Member Access to SLAC National Accelerator Laboratory

San Francisco — Nov. 18, 2014 — Energy storage companies will now have streamlined access to two U.S. Department of Energy National Labs to help speed up the commercialization of new technologies.

CalCharge, an initiative designed to accelerate the development of the energy storage sector in California, is announcing the completion a cooperative research agreement with SLAC National Accelerator Laboratory that grants members access to its facilities and expertise. The agreement, known as a Collaborative Research and Development Agreement (CRADA), is the second signed by CalCharge. The first is between CalCharge and Lawrence Berkeley National Laboratory. At the time of its signing in April 2014, DOE Assistant Secretary for Energy Efficiency and Renewable Energy David Danielson praised CalCharge. “These types of innovative public-private partnerships help leading businesses take full advantage of these world-class resources to accelerate innovation and create good paying jobs right here in America.”

“SLAC is a world-class research laboratory that will help CalCharge members to take their innovative ideas and turn them into products and profits faster than otherwise possible,” said Jeff Anderson, President of CalCharge, which now has 18 members. “We’re in discussions with other institutions to expand this model to dramatically increase the resources available to the rapidly expanding energy storage cluster.”

A key feature at SLAC is its SSRL Synchrotron, which provides extremely bright x-rays to probe matter on the scale of atoms and molecules. For energy storage research, SSRL has been used to both understand lattice structure changes as ions intercalate into electrode materials, and to follow chemical composition of battery nanoparticles as lithium diffuses in and out during charge discharge cycles.

“One of SLAC’s missions is to speed up the translation of basic research discoveries into real-world applications,” said SLAC Director Chi-Chang Kao. “By making our

facilities available to battery companies through CalCharge, we can help spur dramatic improvements in advanced energy storage manufacturing.”

CalCharge brings together businesses, academic institutions, national labs, and unions to accelerate the deployment of cutting-edge technologies for the consumer electronic, electric vehicle, and utility-scale energy storage markets.

To further support this innovative public-private partnership, Susan Babinec, a Senior Commercialization Advisor with the U.S. Department of Energy’s Advanced Research Projects Agency-Energy (ARPA-E), will serve as an ARPA-E liaison to CalCharge. In this role, Babinec will help CalCharge shape new member services and better align its activities with key commercially relevant priorities.

“Collaboration is fundamental to the ARPA-E model—we engage top people from different technical disciplines and professional communities to tackle America’s energy challenges in entirely new and innovative ways,” said Babinec. “We are excited to collaborate with CalCharge to help bring new, cutting-edge energy technologies to market faster.”

Learn more about CalCharge at <http://calcharge.org/>

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About CalCharge

CalCharge (www.calcharge.org) is a battery and electrochemical energy storage consortium. CalCharge brings together emerging and established companies, academic and research institutions, government bodies, and financing sources to jumpstart a new era of energy storage technologies for the electric/hybrid vehicle, grid, and consumer electronics markets. It operates as a wholly owned subsidiary of CalCEF Catalyst, a 501(c)(6) trade association, and is primarily funded by dues and contributions from members.