

NAATBatt 2020 GENERAL PROGRAM AGENDA

MONDAY FEBRUARY 10

1:00 p.m. Advanced Battery Golf Tournament Starts

La Cañada Flintridge Country Club

7:00 – 7:30 p.m. Tournament Reception

Courtyard

7:30 – 9:30 p.m. Tournament Dinner and Awards

Promenade

TUESDAY FEBRUARY 11

7:00 a.m. Registration Opens

Huntington Foyer

7:30 a.m – 11:30 a.m. Battery Product Expo Set Up

Huntington Ballroom Salon I

7:30 a.m – 12:00 p.m. WORKSHOP: NAATBatt-MPSC Workshop on Military Batteries

Georgian Ballroom

8:00 – 10:00 a.m. Battery Recycling Committee Meeting

Pavilion

10:00 – 11:00 a.m. Zinc Battery Committee Meeting

Pavilion

9:00 – 12:00 p.m. WORKSHOP: Shmuel de-Leon Battery Safety Workshop

Promenade

12:00 p.m. – 1:30 p.m. Lunch for Registered Workshop Attendees Only

Georgian Ballroom







TUESDAY FEBRUARY 11 (CONT.)

1:00 – 1:10 p.m.	Welcome by President and Executive Director of NAATBatt Huntington Ballroom Salons II & III James Greenberger, NAATBatt Joern Tinnemeyer, EnerSys
1:10 – 1:30 p.m.	Report of the Chief Science Officer of NAATBatt M. Stanley Whittingham, SUNY at Binghamton
1:30 – 1:50 p.m.	Report of the Chief Technology Officer of NAATBatt Robert Galyen, CATL
1:50 – 3:15 p.m.	Member Update Presentations – Group #1
	EnerSys
	Digatron Power Electronics
	Battery Solutions
	Salt River Project
	Energy Storage Response Group
	Indie Power Systems
	Rolled-Ribbon Battery Company
	Titan Advanced Battery Solutions
	Sandia National Laboratories
	Call2Recycle
	ETAS
	CATL
	Pacific Northwest National Laboratory
	PPG
3:15 – 3:40 p.m.	Networking Break





Huntington Ballroom Salon I



TUESDAY FEBRUARY 11 (CONT.)

3:40 – 4:40 p.m.	Market Report: EV Markets in North America Huntington Ballroom Salons II & III Logan Goldie-Scot, Bloomberg New Energy Finance
4:00 – 4:20 p.m.	Market Report: ESS Markets in North America Sam Jaffe, Cairn Energy Research Advisors
4:20 – 4:40 p.m.	Market Report: Industrial Batteries in North America Michael Sanders, Avicenne Energy
4:40 – 5:00 p.m.	Market Report: Military Batteries Market Shmuel de-Leon, Shmuel de-Leon Energy, Ltd.
5:00 – 6:20 p.m.	ESAMTAC Albemarle Corporation A123 Systems DuPont Amphenol Thermometrics SVOLT CAMX Power Umicore Soteria CSA Group Lithion Recycling ARMOR Group LORD UL
6:20 – 6:35 p.m.	The Most Interesting Things I Saw in Batteries in 2019 Shmuel de-Leon, Shmuel de-Leon Energy, Ltd.





TUESDAY FEBRUARY 11 (CONT.)

6:35 – 7:15 p.m.	Opening Reception Huntington Ballroom Salon I
7:15 – 9:00 p.m.	Opening Dinner Horseshoe Garden
7:15 – 9:00 p.m.	NAATBatt Board of Directors Annual Meeting Pavillion
WEDNESDAY	FEBRUARY 12
7:30 – 8:30 a.m.	Continental Breakfast and Discussion Tables Huntington Ballroom Salon I
8:30 – 8:45 a.m.	NAATBatt Annual Members Meeting and Election of New Directors Huntington Ballroom Salons II & III
8:45 – 8:50 a.m.	Welcome by NAATBatt Chairman John Warner, American Battery Solutions
8:50 – 8:55 a.m.	Breakfast Discussion Tables Reports
8:55 – 9:40 a.m.	Energy Materials Markets Forecasts: Lithium, Cobalt and Nickel Austin Devaney, IHS Markit Henrique Ribeiro, S&P Global Platts
9:40 – 11:05 a.m.	Member Update Presentations – Group #3
	Nuvation Energy American Battery Solutions Urban Electric Power Soltex (CONTINUED NEXT PAGE)





WEDNESDAY FEBRUARY 12 (CONT.)

Forge Nano

MANZ USA

Hive Battery Labs

Argonne National Laboratory

Snell & Wilmer

Durr MEGTECH

Ten-Nine Technologies

Li-Cycle Corp.

Arkema

Webasto Charging Systems

11:05 - 11:30 a.m. Networking Break

Huntington Ballroom Salon I

11:30 – 1:00 p.m. Member Update Presentations – Group #4

Huntington Ballroom Salons II & III

State of Indiana

WeRecycleBatteries

Battery Resourcers

UniEnergy Technologies

ZAF Energy System

Jabil

Electric Applications Incorporated

Jakertech

NREL

Spiers New Technologies

Battery Innovation Center

Everledger

Salient Energy

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WEDNESDAY FEBRUARY 12 (CONT.)

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SafeLi

American Battery Metals Corporation

1:00 – 2:15 p.m. Lunch

Viennese Ballroom

2:15 – 3:00 p.m. The State of Solid State Battery Technology in 2020

Huntington Ballroom Salon I

Steve Visco, Polyplus

Yuan Yang, Columbia University

3:00 – 3:45 p.m. The Impact of Fast Charging on Lithium-Ion Battery Cell Design

Daniel Abraham, Argonne National Laboratory

Benjamin Park, Enevate

3:45 – 4:15 p.m. Networking Break

Huntington Ballroom Salon I

4:15 – 5:15 p.m. Battery Innovation Summit

Huntington Ballroom Salons II & III

Presentations by 10 Emerging Companies Invited by NAATBatt

AEsir Brian Engle

Idaho National Laboratory South 8 Technologies

Alpha-en OnTo Technology

Kinetic Batteries University of Michigan

Feasible Inc. Battery Streak







WEDNESDAY FEBRUARY 12 (CONT.)

5:15 – 6:00 p.m.	The Future of Electric Powered Flight Chloe Holzinger, Lux Research Ratnakumar Bugga, NASA Pete Savagian, Ampaire
6:00 – 6:20 p.m.	Conference Keynote Address Mary Nichols, Chair, California Air Resources Board
6:20 – 6:45 p.m.	Presentation of NAATBatt Lifetime Achievement Awards Public Policy: Mary Nichols, Chair, California Air Resources Board Industry: Robin Zeng, CEO, CATL 2020 Pioneer Medal: Prof. Stanley Whittingham, SUNY-Binghamton
6:45 – 7:30 p.m.	Networking Reception Huntington Ballroom Salon I
7:30 – 9:00 p.m.	NAATBatt International Annual Dinner Viennese Ballroom

THURSDAY FEBRUARY 13

7:30 – 8:30 a.m.	Continental Breakfast and Discussion Tables Huntington Ballroom Salon I
8:30 – 8:35 a.m.	Welcome by NAATBatt President-Elect Huntington Ballroom Salons II &III Jeff Yambrick, SVOLT Energy Technology
8:35 – 8:45 a.m.	Breakfast Discussion Tables Reports







THURSDAY FEBRUARY 13 (CONT.)

8:45 – 9:35 a.m. Industry Leaders Roundtable: How To Make the U.S.

a Leader in Lithium-Ion Battery Manufacturing

David Howell, U.S. Department of Energy, Vehicle Technologies Office

Imre Gyuk, U.S. Department of Energy, Office of Electricity

Robert Galyen, CATL

Joern Tinnemeyer, EnerSys

Craig Rigby, Clarios

Kenan Sahin, CAMX Power

John Warner, American Battery Solutions

9:35 – 10:25 a.m. Potential Substitutes for Lithium-Ion Batteries in Motive Applications

Steve Clarke, QuanVerge Inc.

Gautam Yadav, Urban Electric Power

Yan Yao, University of Houston

10:25 - 10:50 a.m. Networking Break

Huntington Ballroom Salon I

10:45 a.m. – 12:35 p.m. Improving the Safety of Lithium-Ion Battery Systems

Huntington Ballroom Salons I & II

Galen Ressler, General Motors

Robert Galyen, CATL

Renata Arsenault, Ford Motor Co.

Manuel Rabl, EnerSys

Mike Canada, EnerDel

John Pinho, APS

12:35 – 1:45 p.m. Lunch

Viennese Ballroom







THURSDAY FEBRUARY 13 (CONT.)

1:45 – 2:05 p.m. Introduction to the DOE Battery Recycling Prize

Huntington Ballroom Salons II & III

Samuel Gillard, U.S. Department of Energy

2:05 – 3:15 p.m. Prize Pitches**

(5-minute presentations by the Phase 1 Award Winners)

Holman Parts Distribution

Store Packs Umicore

LiB IoT

Admiral Instruments

OnTo Technologies

Titan AES

Renewance

Smartville

Team EVBs

SNT Laser Focused

** These presentations were developed based upon funding from the Alliance for Sustainable Energy, LLC, Managing and Operating Contractor for the National Renewable Energy Laboratory for the U.S. Department of Energy.

3:15 – 3:55 p.m. Regulation of Lithium-Ion Battery Recycling in California

Todd Coy, CalEPA Lithium-ion Car Battery Recycling Advisory Group Bernie Kotlier, CalEPA Lithium-ion Car Battery Recycling Advisory Group

3:55 – 4:00 p.m. Concluding Remarks

James Greenberger, NAATBatt International



