

Agenda: Tuesday, June 4th

Time (CDT)	Topic	Author(s)	Organization	Location
8:30	Keynote Address	Dr. Robert Mantz	Principal Director for Renewable Energy Generation and Storage (REG&S) at the Office of the Under Secretary of Defense for Research and Engineering (OUSD (R&E))	Regency D
SESSION 1				
High Energy Lithium Ion Batteries				
9:00	High energy and power density batteries with silicon anode materials	Ionel Stefan	Amprius Technologies	Regency D
9:30	High-Energy & High-Power Silicon Anode Lithium-ion Batteries Enabling Advanced Military Applications	Herman Lopez	Ionblox, Inc	Regency D
10:00	ACE Ready and Near Term Solutions	John Kaufman	Advanced Cell Engineering	Regency D
Evaluating Technologies				
9:00	Battery Innovation Center Readiness Roadmap	Leslie Aleander	Battery Innovation Center	Regency AB
9:30	Energy Storage Performance Mapping: Streamlining Battery Evaluation for DoD Applications	Steve Weiss	Xiletric	Regency AB
10:00	Strategies to Address Battery Safety Concerns for Systems Designed to Operate in the Military Ecosystem and Satisfy 810H	William Walker	KULR Technology Group	Regency AB
10:30 - 10:50 BREAK				
SESSION 2				
10:50 - 11:50	Domestic Production Panel	James Trevey	ForgeNano	Regency D
		Dave Modeen	Lithium-Ion Products, EnerSys	Regency D
		Curt Collar	Nanotech Energy	Regency D
11:50	Show us What You Got		Energysys	
12:20	Show us What You Got		EaglePicher Technologies	
12:50 - 1:50 LUNCH				
SESSION 3				
Conformal Wearable Batteries				
1:50	Ballistic Conformal Battery	Brian Hensless	Cornerstone research Group	Regency D
2:20	High-Performance, Low-Temperature, Conformal Batteries for Energy Resilience	Rajan Kumar	Ateios Systems	Regency D
2:50	High Energy Li-Ion Pouch Cells with Reduced Flammability Electrolyte Additive	Owen Crowther	EaglePicher Technologies	Regency D
Domestic Supply Chain				
1:50	Domestic Production of Critical Mineral Graphite	Prashant Chintawar	Volt Energy Materials	Regency AB
2:20	North American Production of Graphite Anode Materials from Mined and Recycled Graphite to Support the Domestic Manufacturing of Li-Ion Batteries	John Jaddou	Orbia Fluor & Energy Materials (Koura)	Regency AB
2:50	Delivering a Domestic Solution for Battery Anodes from Bio-Sourced Feedstocks	Dr. Carol Hirschmugl	Conovate, Inc.	Regency AB
2:50 - 3:15 BREAK				
SESSION 4				
Li-Metal				
3:15	Rechargeable Li-metal Battery Cell for High Power and Low Temperature Military Applications	John Hondred, Frank Zalar, Pasha Nikoleav and Brian Henslee	Cornerstone research Group	Regency D
3:45	USA Designed & Made Solid-State Battery Defense & Aerospace Applications	Dr. Robert Whittlesey	Ion Storage Systems	Regency D
4:15	Development of Fast-Charging and Wide Temperature Li-ion Batteries	Thomas Adams, Vilas Pol, Austin Choi, Ethan Adams	Multiple	Regency D
Diagnostics/Analytics				
3:15	Hybrid Intelligent Diagnostic Screening (HIDS)	Darrin Moorman	Moser Energy Systems	Regency AB
3:45	Advancing DoD Battery Maintenance and Sustainment with Predictive Analytics	Robert Masse	Astrolabe Analytics, Inc.	Regency AB
4:15	Battery Monitoring: A Strategic Technology	Daniel Jones	Energysys	Regency AB
5:00 END OF DAY				

Agenda: Wednesday, June 5th

Time (CDT)	Topic	Author(s)	Organization	Location
SESSION 5				
8:30	Updated Demand Signal	Eric Shields	Senior Battery Advisor, OUSD Industrial Policy	Regency D
SESSION 6				
New Technologies				
9:15	Robust, Zero-Volt-Capable, High-Power Lithium-Ion batteries for Military Platforms	David Ofer	CAMX Power	Regency D
9:45	100% Dry Process for Lithium-Ion Electrode Manufacturing	Mike Eskra	Eskra Technical Products	Regency D
10:15	Achieving a tactical advantage in energy storage using nano-coatings	James Trevey	ForgeNano	Regency D
Mixed Batteries				
9:15	Investigation of COTS Li Ion Cell Performance at Low Temperature	Ryan Pritchard and Gerard Herbert	Energys	Regency AB
9:45	High Energy Lithium Carbon Monofluoride Batteries Qualified for Portable Power	Rob Gitzendanner	EaglePicher	Regency AB
10:15	A New Class of High Performance and Highly Safe Lithium Ion Cell Enabled by Novel Vanadium Oxide Anode	G.J Ia O' and Haodong Liu	Tyfast Energy Corp	Regency AB
10:45 - 11:15	BREAK			
SESSION 7				
11:15	Operational Energy Panel	Nathan Cornell	HQDA Program Manager Operational Energy	Regency D
		John Fassino	Deputy Director Operational Energy Innovation (OECIF and OEPF)	Regency D
		Dr. Daphne Fuentevilla	Deputy Director, DON Operational Energy (Invited)	Regency D
12:15 - 1:15	LUNCH			
SESSION 8				
1:15	DoD - Li-Ion Safety Panel	Laurence Toomey	Branch Chief - Energy Storage Team, Ground Vehicle Power & Mobility	Regency D
		Jesse Givens	PEO Army Aviation	Regency D
		Mark Tisher	Naval Surface Warfare Center, Crane Division	Regency D
		Christopher Kusak	Air Force Life Cycle Management Center/ Flight Systems Division	Regency D
2:15 - 2:45	BREAK			
SESSION 9				
Battery Component Improvements				
2:45	Fibrous based separators	David Rittenhouse	Glatfelter	Regency D
3:15	Conformal Graphene Encapsulation for multi-functional performance improvement of Cathode Active Materials	Damien Despinoy	Volexion	Regency D
3:45	Enabling Emerging Battery Technologies with Networked CNTs	Multiple	Huntsman Advanced Material	Regency D
Missile And Munition Applications				
2:45	Army In-House Munitions Power Source Prototyping and Testing Capabilities	Multiple	U.S. Army Armaments Center	Regency AB
3:15	High-Voltage, High-Power Thermal Battery Systems for Electric Thrust Vector Control (e-TVC) Applications	Nicholas Shuster and Anthony Lang	Energys Advanced Systems	Regency AB
3:45	Miniature Reserve Battery	Multiple	Cornerstone Research Group	Regency AB
SESSION 10				
4:15	Panel on Missile and Munition Batteries	Giuseppe L. Di Benedetto	Power Team Lead – U.S. Army DEVCOM Armaments Center	Regency D
		Samuel Stuart	U.S. Navy NSWC Crane Division	Regency D
		Sean C. Rayman	Battery SME – U.S. Air Force AFLCMC	Regency D
		Greg Miller	EaglePicher Technologies	Regency D
		Nicholas Shuster	EnerSys Advanced Systems	Regency D
		Eric Scherzberg	Advanced Thermal Batteries, Inc	Regency D
	Zoe Adamedes	BST Systems, Inc	Regency D	
5:15	END OF DAY			

Agenda: Thursday, June 6th

Time (CDT)	Topic	Author(s)	Organization	Location
SESSION 11				
Non Lithium Ion Battery Solutions				
9:00	Evaluation of Low Temperature Performance of Commercially Available Supercapacitors	Multiple	U.S. Army Armanents Center	Regency D
9:30	Lyten's High Energy Lithium-Sulfur Batteries for DoD Applications	Jim Paye	Lyten	Regency D
10:00	Operational resilience through long duration energy storage	Paul Kelleher and Mark Higgins	Redflow	Regency D
Domestic Production				
9:00	Filling battery experience gaps in the DoD battery community through consultants and partnerships	Chris Silkowski	Treetown Tech	Regency AB
9:30	Powering the Future with a Domestic Supply Chain	Deryck Robinson	Forge Battery	Regency AB
10:00	Domestic LFP Cell Manufacturing Overview	James Hodge	Lithion	Regency AB
10:30 - 11:00	BREAK			
Mixed Bag 1				
11:00	Remote EV Charging Station (REV Station)	Darrin Moorman	Moser Energy Systems	Regency E
11:30	Elimination of Premature Combat Vehicle Battery Failure using Solar Charging	Dan Stieler	PowerFilm, Inc	Regency E
12:00	"Saving Lives Through Hybrid Power."	Brooke Ford	Solar Stik	Regency E
Mixed Bag 2				
11:00	Domestic landscape of hydrogen fuel cells and fuel cell materials	Greg Ong	Celadyne Technologies	Regency AB
11:30	Safe, Wide-temperature Range, Long Life 0V Storage-capable Batteries for DoD Applications	James Dong, Sayangdev Naha, Russell Farmer	ADA Technologies	Regency AB
12:00	Unleashing the Potential of Sodium-Ion: Securing Domestic Battery Manufacturing for the DoD	Andrew Thomas	Acculon Energy	Regency AB
12:30	END OF DAY			