

# **Advanced Charging Symposium**

**Introduction**

**James Trevey Ph.D**

**Vice Chair MPSC**

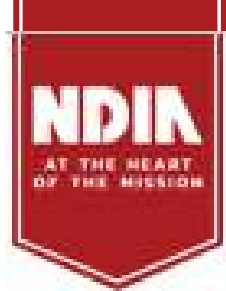
**September 2nd, 2021**

**9am MDT**



## Military Power Sources Committee

*Providing Power Sources for the modern warfighter*



# The MPSC

*The mission of Military Power Sources Committee (MPSC) is to provide a forum for its members to share information and develop a collective voice on issues related to the preserving and enhancing the domestic design, development and manufacture of energy generation and storage systems, both renewable and non-renewable, and their components for the Department of Defense*

**We are the Power and Energy voice for DOD and report unbiased expert voice on matters of interest.**



**Power Sources  
TWG**



**Federal Consortium for Advanced Batteries (FCAB)**

Among the Following U.S. Federal Government Agencies

- DEPARTMENT OF ENERGY
- DEPARTMENT OF COMMERCE
- DEPARTMENT OF DEFENSE
- DEPARTMENT OF STATE





# Areas of Interest

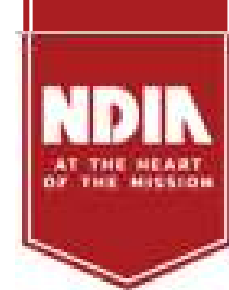


- Tactical Energy Sources
  - Rechargeable batteries
  - Non-rechargeable batteries
  - Fuel cells
  - Solar panels
  - Battery charging
- Emerging technologies
- Domestic supply chain and manufacturing
- Advanced manufacturing





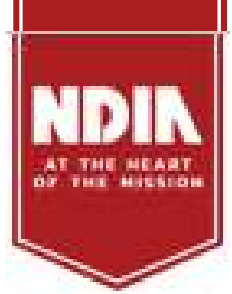
# Membership



- The MPSC consists of:
  - ~300 Full members and ~300 General Members
  - Individuals and companies
  - Companies ranging from small to large
  - Academia
  - DOD and other Government Agencies
- General Membership - FREE
- Full Membership - Requires paid/government membership to NDIA
- Membership Benefits
  - Networking opportunities
  - Access to MPSC sponsored webinars and events
  - Event and funding announcement updates
  - A voice in matters of importance
  - Opportunity to help our mission and benefit your self/company too



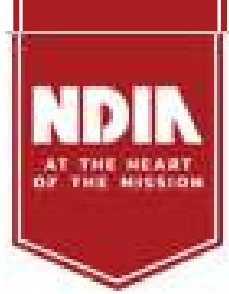
# Events Update



- Past
  - December 2020 - Solid State Batteries - 130+ Viewers - **Information paper complete**
  - January 2021 - Silicon Anodes - 200+ Viewers - **Information paper complete**
  - May 2021 - Battery Recycling - 200+ Viewers - **Information paper under final review**
  - June 2021 - Li-Sulfur - 300+ Viewers - **Information paper complete**
  - July 2021 - Li-ion Supply Chain - 300+ Viewers - **Information paper in progress**
- ***Current***
  - ***September 2nd, 2021 - Advanced Charging (today)***
    - ***Expecting 150+***
- ***Future***
  - October 7<sup>th</sup>, 2021 - Graphite
  - November 4<sup>th</sup>, 2021 - Advanced Manufacturing
  - December 2021 - In-person networking meeting to coincide with DMC in Denver

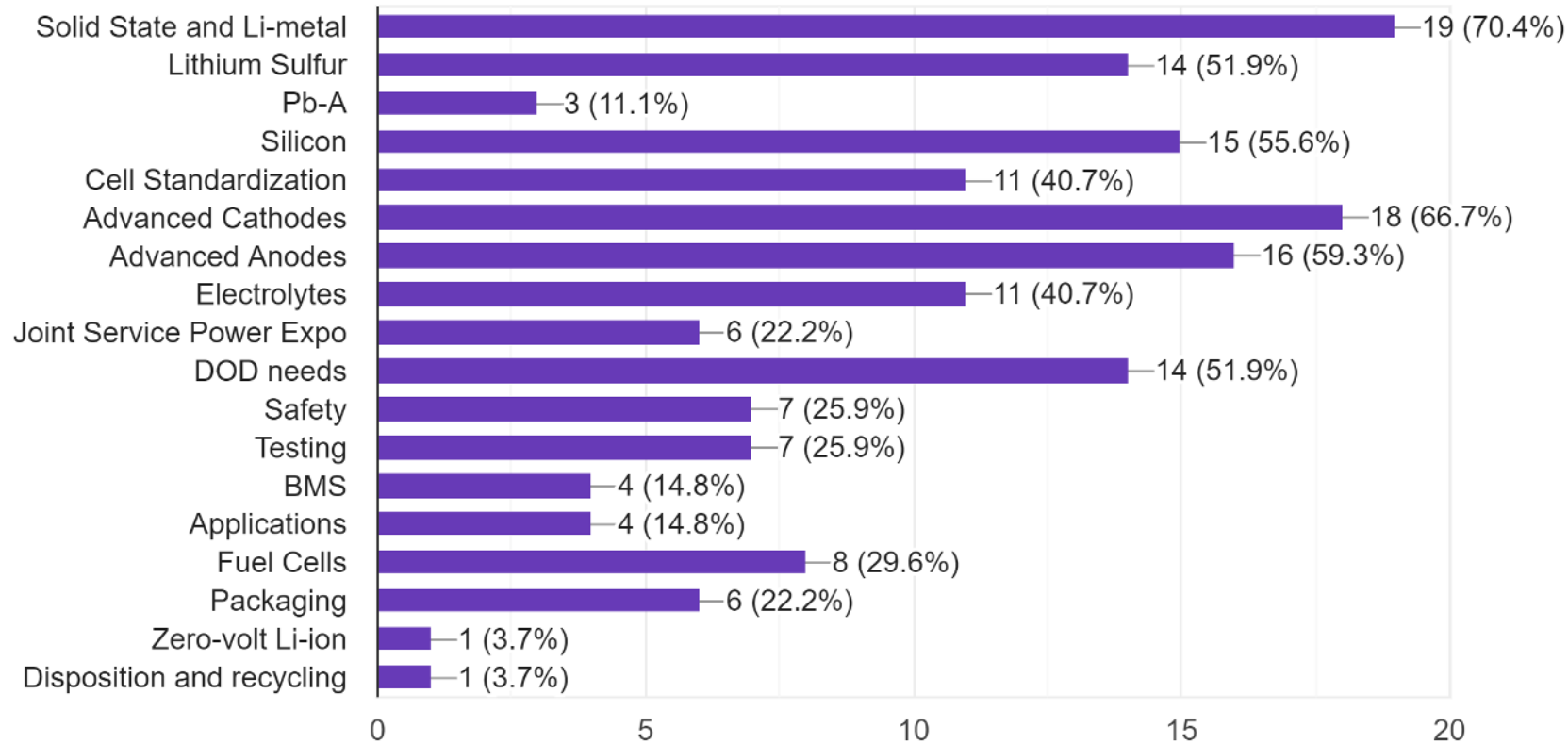


# 2022 Planning Update



Please let us know what topics/areas you'd like us to focus on for future meetings.

27 responses

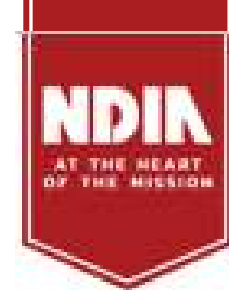


- Thank you, voters,
  - Solid-state and Li-metal
  - Advanced Cathodes
  - Advanced Anodes
  - Silicon
  - Li-S
  - DOD Needs





# Advanced Charging Agenda



Join us for the

## ADVANCED CHARGING SYMPOSIUM

coming September 2<sup>nd</sup> 2021 Starting at 9:00am MDT

Hosted by

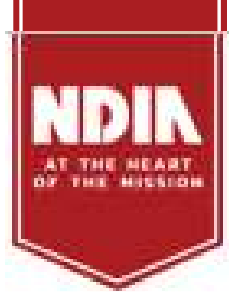


- 9:00am: Introduction – James/MPSC
- 9:05am: EC Power – Eric Rountree
- 9:10am: INL – Tanvir Tanim
- 9:50am: Thales – Merdod Badie
- 10:10am: Bren-Tronics – Kyle Roelofs
- 10:30am: GDI – Robert Anstey
- 10:50am: Break
- 11:00am: PEO Soldier – Ethan Wise
- 11:40am: Turn-around Factor – Joe Roskowski
- 12:00pm: Gamma Technologies – Joe Wimmer
- 12:20pm: EC Power – Eric Rountree
- 12:40pm: Round Table Discussion – All
- 1:15pm: End





Thanks!



- Hosting
  - Forge Nano
    - James Trevey
    - Mike Talarico
- Organizing
  - EC Power
    - Eric Rountree
  - Crystal Clear Consulting
    - Marc Gietter



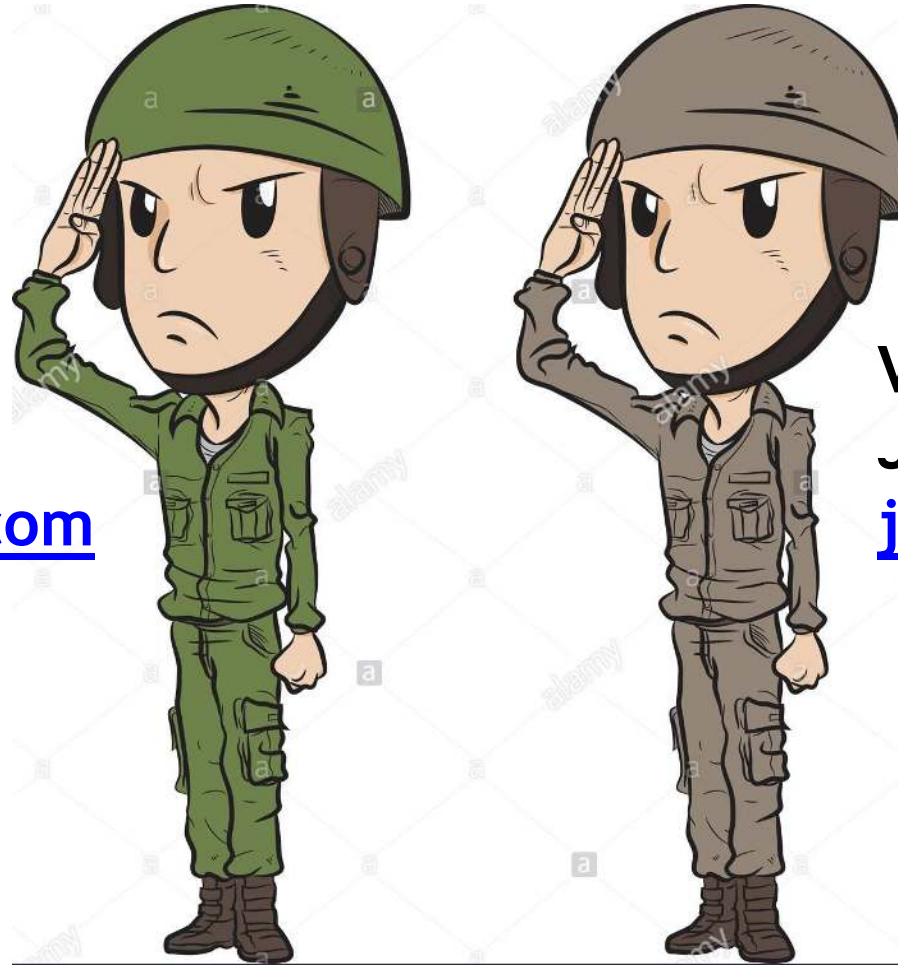
Crystal Clear Consulting



# Points of Contact

**Chairperson:**  
**Marc Gietter**

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