MPSC General Meeting
Symposium Update

James Trevey Ph.D
Vice Chair MPSC
May 18th, 2022



Military Power Sources Committee

Providing Power Sources for the modern warfighter

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:
  - Steering Committee – 15, Government and Industry
  - Membership - ~800, 30% Government

Executives

Marc Gietter – Chair
Crystal Clear Consulting
James Trevey – Vice Chair
Forge Nano

Steering Committee

Matt Hutchens - DLA
Eric Shields - OSD
Adrian Parker - Navy
Mike Brundage - Army
Lloyd Zilch - Navy
Rebecca Morris – ACI Technologies
Ben Craig – Alion Science
Robert Anstey - Graphnx
Russ Farmer - ADA Technologies
Marc Jaker - Jakertech
Neil Johnson - Navitas
Melissa Floyd - Stryten
John Platt – Snell and Wilmer

Symposium Organizing

- Interest
  - PSTWG and other services
  - Membership
  - Popular demand
- Organizing
  - Organizer: Expert in industry
    - Establish speaker list and get commitments
  - Benefit: Advertising on MPSC website
- Hosting
  - Historically Forge Nano but moving to independent website
    - www.forgenano.com/mpsc
    - Mike Talarico
  - Announcements via newsletters and LinkedIn
- Timing
  - Establish topics: 3-6 months in advance
  - Establish speakers: 1-2 months in advance
  - Establish website and announcements: 1 month in advance
  - Day-of: Typically 4 hour target, 9am MT start with 20-minute no-questions presentations
    - Overview
    - Company
    - Government
    - Round-table

2021 In Review

- 2021
  - December 2020 – Solid State Batteries – 130+ Viewers
  - January 2021 – Silicon Anodes – 200+ Viewers
  - May 2021 – Battery Recycling – 200+ Viewers
  - June 2021 – Li-Sulfur – 300+ Viewers
  - July 2021 – Li-ion Supply Chain – 300+ Viewers
  - September 2021 – Advanced Charging – 100+ Viewers
  - October 2021 – Graphite (Li-ion) – 200+ Viewers
  - November 2021 – Advanced Manufacturing – 100+ Viewers

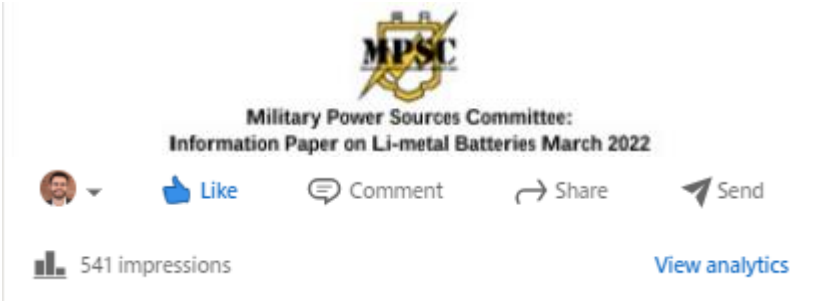




2022 Update

- 2022
  - March 2022 – Li-metal Batteries – 200+ Viewers
  - April 2022 – NiZn Batteries – 100+ Viewers
  - May 2022 – Fuel Cells (Government) – 50+ Viewers
    - Excellent write-up in progress
    - Email change-over (junk)
    - Smaller overall crowd (membership and market)
- Coming Next
  - June 16th – Fuel Cells (Industry)
  - July 26-28 – In person PSTWG+Membership meeting
  - August 25th – Li-ion Battery Standardization Debate
  - September - Battery Testing (Echem and Safety)
    - Need an organizer
  - October - IP
    - Lead by Snell and Wilmer
    - Topics of Interest
  - Other?
    - PbA
    - ESS
    - Repeats of previous?



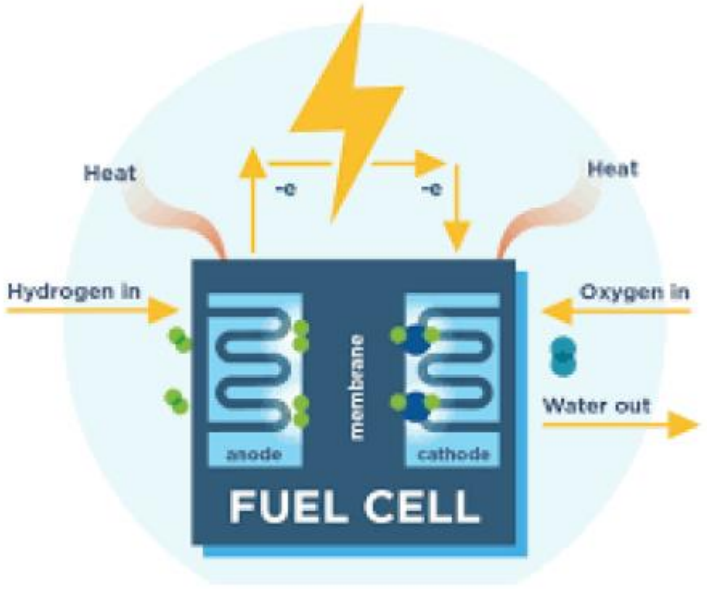




Fuel Cell - Industry

- Coming Next
  - June 16th – Fuel Cells (Industry)

Time (MT)	Organization	Name
9:00	MPSC	James Trevey
9:05	NRL	Michael Ulsh
9:25	Adaptive Energy	Tom Westrich
9:45	Honeywell	Phil Robinson
10:05	UltraCell	I. Kaye
10:25	Break	-
10:40	Gore	C. Cox
11:00	FuelX	Dick Martin
11:20	PCI	Roy Choudhury
11:40	TreadStone	G. DeCuollo
12:00	Round Table	All
12:30	End	



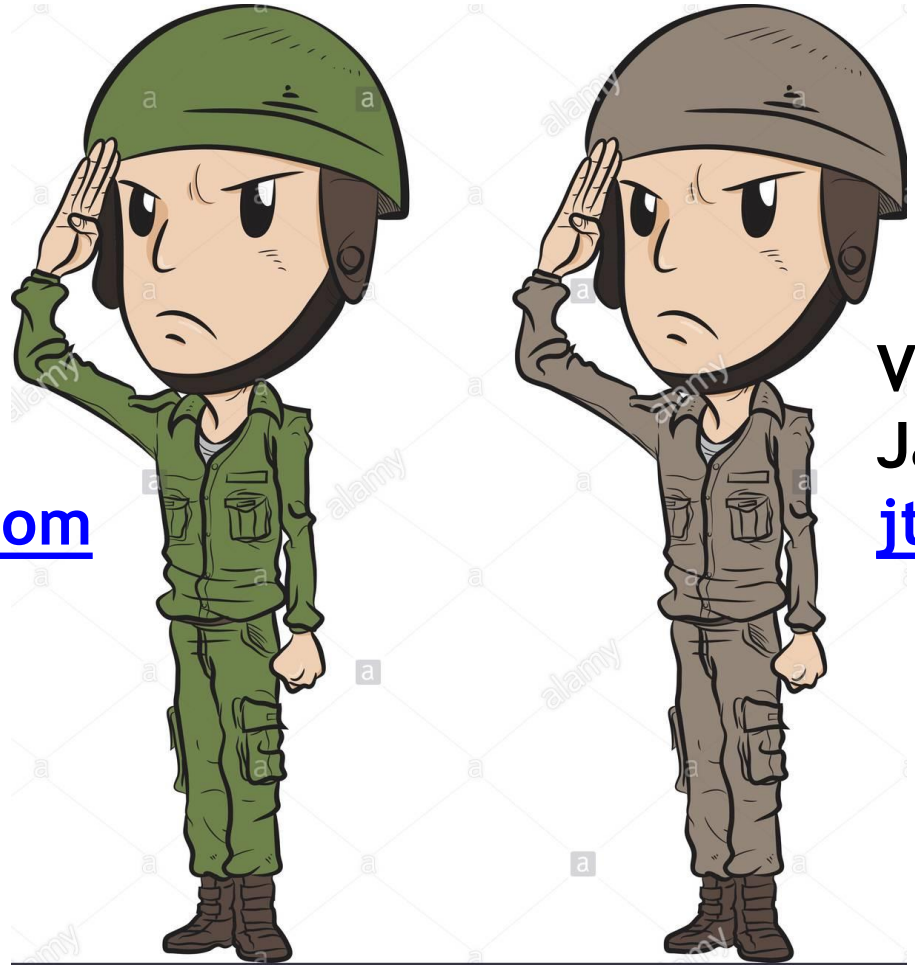
https://www.fchea.org/h2-day-2019-events-activities/2019/8/1/fuel-cell-amp-hydrogen-energy-basics

Questions

- Ideas for improving outreach as we grow
- Focus topics for IP meeting
  - Si anodes – Rob open to hosting or co-hosting
  - Li Primary (LiCFx, ect..), lots of military info (Shmuel)
  - electrode structures.... nanowires, particles, etc.
- New topics to close out 2022 and move into 2023
  - Battery and non-battery OK
- Other organizations to align with?
  - PSTWG
  - NAATBatt
  - NDIA
  - FCAB
  - Li-Bridge
  - DSI
  - BCI
  - BMTC
  - SAFE
  - AIAA
  - BENS
  - NY BEST

Points of Contact

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