

# Directed Energy Professional Society

## Annual Membership Report

Dr. David Stoudt, President  
6 April 2023



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# Directed Energy Professional Society

- Celebrating 23 years of fostering research, development, & operational transition of Directed Energy technology for national defense and civil applications through professional communication, education and outreach

## Our Goals

- Foster communication within the DE community
- Enhance DE education through scholarships & internships
- Recognize outstanding DE contributions through our Fellows program
- Publish and archive DE achievements (Journal of Directed Energy)
- **Enable DE Outreach through Professional Conferences and Symposia**



# FY20-23 DE Appropriations

	FY20	FY21	FY22	FY23
• US Army	\$118M	\$446M	\$395M	\$797M
• US Navy	\$243M	\$236M	\$165M	\$132M
• US Air Force/Space Force	\$238M	\$214M	\$231M	\$304M
• Missile Defense Agency	\$116M	\$46M	\$48M	\$20M
• Joint Intermediate Forces Office	\$48M	\$48M	\$49M	\$50M
• OSD/JDETO	\$143M	\$157M	\$150M	\$211M
• DARPA+SOCOM+TRMC	\$46M	\$59M	\$102M	\$181M
• <b>Total DE Budget</b>	<b>\$953M</b>	<b>\$1206M</b>	<b>\$1140M</b>	<b>\$1695M</b>



# DEPS Strategic Objectives

- **Restore Fiscal Stability**
  - Achieved!
- **Increase membership/diversity**
  - Increase in our younger population
  - Increase in gender & ethnic diversity
  - Increase in our military membership
  - Current membership up~20%--now at 1242 members
- **Re-establish educational outreach efforts**



# Annual Achievements

- **Awarded \$200k of graduate Scholarships**
  - 21 Awardees - 16 different Universities – 6 Women/15 Men
  - 92% placement rate of scholars into the DE career field
  - Thanks to JDETO and ONR for their support
  - Both AFRL/RD and NSWC/DD have actively recruited from the DEPS Scholarship pool
- **Successful conferences in SoCal (Systems, Nov 22); NM (T&E, Jan 23); & Texas (S&T, Apr 23)**
  - Classified & Limited Distribution venues sets DEPS apart from other professional societies & commercial conferences
  - Back to In-Person events is welcome---Record attendance at each event!



# DEPS Financial Status

	Operating Funds	Reserves
• <b>Cash on hand</b>		
• Mar 2022	\$295,490	\$378,800
• Mar 2023	\$510,560	\$375,600
• <b>2022 budget</b>		
• Income	est \$1,655,650	act \$1,961,200
• Expenses	est \$1,683,200	act \$1,895,637
• <b>DEPS Scholarship Fund</b>	\$63,165	Goal \$500,000
• <b>Independent Audits</b>		
• 2021 Audit completed, no significant findings		
• 2022 Audit begun		

**DEPS has not had to dip into our Reserve Funds**



# DEPS Scholarship Fund

- Five-year plan to create a \$500k scholarship endowment
  - That would fund two named scholarships annually, in perpetuity (\$10k/award)
  - Expect a 4.5% annual withdrawal, consistent with standard endowment practices
  - Five-year gifting program also consistent with standard endowment practices
  - Board has approved one named scholarship for Dr. Sam Blankenship
    - 1<sup>st</sup> DEPS Executive Director (2001-2012)
  - JDETO has approved one named scholarship for Dr. Jack Slater (2020-2024)
    - JTO Technical Advisor (2001-2018)



# DEPS Committees

- **Board of Scientific & Engineering Advisors**
  - Membership limited to new and immediate past Fellows
  - Review/recommend Scholarship awards (packages due 30 April)
  - Review/recommend Fellows packages (packages due 1 Nov)
  - New Fellows recognized at Annual S&T conference
  
- **Education Outreach committee**
  - High School Science Fair STEM awards
    - Covered Dallas TX & central New Mexico, awarded \$3600 in prizes & teacher stipends
    - A Big Thank you to those who volunteered to help with the judging
  - Volunteers are still needed for other state Science Fair locations
  - Contact Cristina Crowson ([cristina@deps.org](mailto:cristina@deps.org)) to volunteer

# DEPS Board of Directors Elected by the DEPS Membership



## Serving Directors

Dr Dave Stoudt (BAH)

Prof John Hartke (USMA)

Chris Behre (NSWC)

Adam Aberle (SMDC)

Stephanie Miller (AFRL)

Jeff Maloney (II-VI)

Dr Iain McKinnie (Raytheon)

## New Directors

Prof Martin Hubbard (DSTL)

Dr Lawrence Grimes (AFRL)

Mark Spencer (DE JTO) Declined due to his new role

Dr Craig Robin (EO Solutions)

## Outgoing Directors

Don Seeley (Blue Halo)

Dr Diana Loree (AFRL)

Michael O'Connor (nLight)

# DEPS Officers

## Elected by the Board of Directors



**President**

**David Stoudt**

**Vice President**

**John Hartke**

**Secretary**

**Michael O'Connor**

**Treasurer**

**Craig Robin**

**BSEA Liaison**

**Jeff Maloney**



# DEPS 2023/24 Events

- **DEPS Annual S&T Symposium**
  - 3-7 April 2023, San Antonio TX
- **DEPS Systems Symposium**
  - 13-17 Nov 2023, Monterey CA
- **DEPS/ITEA Test & Evaluation Conference**
  - 5-8 Feb 2024, Albuquerque NM

# Thank you to our DEPS Sponsors



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