

Directed Energy Professional Society

Annual Membership Report

Dr. David Stoudt, President
23 March 2021



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Directed Energy Professional Society

- Celebrating 21 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**



2019-2021 DE Defense Appropriations

• US Army	FY19\$148M	FY20\$118M	FY21\$446M
• US Navy	FY19\$259M	FY20\$243M	FY21\$235M
• US Air Force	FY19\$265M	FY20\$238M	FY21\$214M
• Missile Defense Agency	FY19\$224M	FY20\$116M	FY21\$42M
• Joint Non-Lethal Weapons	FY19\$47M	FY20\$48M	FY21\$48M
• DE Joint Transition Office	FY19\$57M	FY20\$63M	FY21\$44M
• OSD (+DARPA & SOCOM)	FY19\$122M	FY20\$127M	FY21\$164M
• Total DE Budget	FY19\$1122M	FY20\$953M	FY21\$1193M



DEPS Strategic Objectives

- **Restore Fiscal Stability**
 - Complete, however Covid 19 impact was/is real
- **Increase membership/diversity**
 - Increase in our younger population
 - Increase in gender & ethnic diversity
 - Increase in our military membership
- **Re-establish educational outreach efforts**



Annual Achievements

- **Awarded \$140k of graduate Scholarships**
 - Thanks to DE JTO and ONR for their support
 - 86% placement rate of scholars into the DE career field
 - Both AFRL/RD and NSWC/DD have actively recruited from the DEPS Scholarship pool
- **Successful conferences in NM (T&E, Jan 20) & NY (S&T, Mar 20)**
 - Classified & Limited Distribution venues sets DEPS apart from other professional societies & commercial conferences
 - Virtual Systems Symposium in November 2020
 - **1st DoD conference approval using the DoD-approved MS Teams for a Critical Unclassified Information (CUI) event**
 - Virtual T&E conference in January 2021
 - **2nd DoD conference approval using MS Teams for a CUI event**



COVID-19 impact on 2020 & 2021

- A Total of 131 cancellations received for the West Point S&T conference, a significant impact to both the technical agenda and attendance. Had an impact on the 2020 DEPS budget.
- A 1st PPP loan (\$84,900) was awarded to DEPS in April 2020, based on lost revenue from the S&T conference. That loan was converted into a grant (no repayment) in October 2020.
- A New Mexico state grant (\$10,000) was awarded in Jan 2021.
- A 2nd PPP loan (\$83,120) was awarded to DEPS in Feb 2021, based on lost revenue for 2020. The DEPS Board has the authority to expend those funds.
- Across multiple professional societies, the virtual exhibition hall experience has not met expectations. Exhibitors have fallen off more than 60% from historic values for most events. DEPS appreciates our exhibitors that have worked through these challenges.
- Virtual conference attendance is waning across many technical societies. There is a strong demand signal for in-person conferences later in 2021.



DEPS Financial Status

<ul style="list-style-type: none">• Cash on hand	Operating Funds	Reserves
<ul style="list-style-type: none">• Mar 2020	\$335,850	\$315,500
<ul style="list-style-type: none">• Mar 2021	\$200,475	\$319,790
<ul style="list-style-type: none">• 2020 budget		
<ul style="list-style-type: none">• Income	est \$1,655,000	act \$1,410,280
<ul style="list-style-type: none">• Expenses	est \$1,635,000	act \$1,329,614
<ul style="list-style-type: none">• Independent Audits		
<ul style="list-style-type: none">• 2019 Audit completed, no significant findings		
<ul style="list-style-type: none">• 2020 Audit begun		

DEPS has not had to dip into our Reserve Funds...Yet



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
 - 1st DEPS Executive Director (2001-2012)
 - DE JTO 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 will be recognized at 1200 on 24 March

- **Education Outreach committee**
 - High School Science Fair STEM awards
 - Covered Dallas TX & central New Mexico, awarded \$2500 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) to volunteer

DEPS Board of Directors Elected by the DEPS Membership



Serving Directors

*Dave Stoudt (BAH)

*John Hartke (USMA)

Don Seeley (ATA)

Diana Loree (DE JTO)

Stephanie Miller (AFRL)

Adam Aberle (SMDC)

Chris Behre (NSWC)

Michael O'Connor (nLight)

New Director

Jeff Maloney (II-VI)

Departing Director

Sean Ross (AFRL)

DEPS Officers

Elected by the Board of Directors



New Officers (to be selected)

President

Dave Stoudt

Vice President

John Hartke

Secretary

Bill Decker (Emeritus)

Treasurer

Don Seeley

BSEA Liaison

Diana Loree



DEPS 2021/22 Events

- **DEPS Annual Science & Technology Symposium**
 - 22-26 March 2020, Virtual event
- **DEPS Systems Symposium**
 - 25-29 Oct, Washington DC & Navy Yard
- **DEPS/ITEA Test & Evaluation Conference**
 - 1-3 Feb 2022, Albuquerque NM
- **DEPS Annual S&T Symposium**
 - 25-29 April 2022, Mobile AL
- **DEPS Systems Symposium**
 - 14-18 Nov 2022, La Jolla CA

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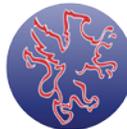
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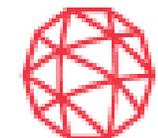
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