Directed Energy Professional Society

Annual Membership Report

Dr. David Stoudt, President
6 April 2023
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

<table>
<thead>
<tr>
<th></th>
<th>FY20</th>
<th>FY21</th>
<th>FY22</th>
<th>FY23</th>
</tr>
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<tbody>
<tr>
<td>US Army</td>
<td>$118M</td>
<td>$446M</td>
<td>$395M</td>
<td>$797M</td>
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<td>US Navy</td>
<td>$243M</td>
<td>$236M</td>
<td>$165M</td>
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<td>US Air Force/Space Force</td>
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<td>$214M</td>
<td>$231M</td>
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<td>Missile Defense Agency</td>
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<td>$46M</td>
<td>$48M</td>
<td>$20M</td>
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<td>Joint Intermediate Forces Office</td>
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<td>$48M</td>
<td>$49M</td>
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<td>OSD/JDETO</td>
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<td>$157M</td>
<td>$150M</td>
<td>$211M</td>
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<td>DARPA+SOCOM+TRMC</td>
<td>$46M</td>
<td>$59M</td>
<td>$102M</td>
<td>$181M</td>
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<td><strong>Total DE Budget</strong></td>
<td><strong>$953M</strong></td>
<td><strong>$1206M</strong></td>
<td><strong>$1140M</strong></td>
<td><strong>$1695M</strong></td>
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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

• Cash on hand
  • Mar 2022 $295,490
  • Mar 2023 $510,560

• Operating Funds
  • Mar 2022 $378,800
  • Mar 2023 $375,600

• Reserves

• 2022 budget
  • Income est $1,655,650 act $1,961,200
  • Expenses est $1,683,200 act $1,895,637

• DEPS Scholarship Fund
  • $63,165 Goal $500,000

• Independent Audits
  • 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
    • 1st 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

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<thead>
<tr>
<th>Serving Directors</th>
<th>New Directors</th>
<th>Outgoing Directors</th>
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<tbody>
<tr>
<td>Dr Dave Stoudt (BAH)</td>
<td>Prof Martin Hubbard (DSTL)</td>
<td>Don Seeley (Blue Halo)</td>
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<td>Prof John Hartke (USMA)</td>
<td>Dr Lawrence Grimes (AFRL)</td>
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<td>Chris Behre (NSWC)</td>
<td>Mark Spencer (DE JTO) Declined due to his new role</td>
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<td>Adam Aberle (SMDC)</td>
<td>Dr Craig Robin (EO Solutions)</td>
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<td>Stephanie Miller (AFRL)</td>
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<td>Jeff Maloney (II-VI)</td>
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<td>Dr Iain McKinnie (Raytheon)</td>
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<td>Dr Diana Loree (AFRL)</td>
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<td>Michael O’Connor (nLight)</td>
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<td>Role</td>
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<tr>
<td>President</td>
<td>David Stoudt</td>
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<td>John Hartke</td>
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<td>Secretary</td>
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<td>BSEA Liaison</td>
<td>Jeff Maloney</td>
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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