



Directed Energy Outreach Campaign DE2DC 2019 Summary and Results



Background

The Directed Energy Outreach Campaign has been successfully educating decision makers and warfighters on mature High Energy Laser (HEL) and High Power Microwave (HPM) directed energy weapon technologies and capabilities since 2009.

The National Directed Energy Outreach campaign has been underwritten by the Joint Directed Energy Transition Office (DE JTO) and sponsored by the Directed Energy Professional Society (DEPS) since 2011. The campaign is currently led by Cynthia Kaiser, consultant to the DE JTO and DEPS member.

This is the only forum where government, industry, academia, and professional societies can come together, as a community and single voice, for education with regards to Directed Energy (DE).

As a result of the DE Outreach campaign, the Directed Energy Caucus was formed in 2011. Championed by Dr James Horkovich, the caucus is co-chaired by Representative Doug Lamborn (CO) and Representative James Langevin (RI).

Goals

- To transition Directed Energy Technology through educational outreach to decision makers and warfighters.
- To provide technical expertise to warfighters and decision makers on Directed Energy Technologies and Directed Energy Systems.

Activities

- The campaign kicks off each fall at the DEPS Directed Energy Systems Symposium.
- The largest activity for the year is the annual Directed Energy to Washington DC (DE2DC) exhibitions and reception held in early spring. The first DE2DC event was held in March 2012 at the Pentagon and the Rayburn House Office building.
- DE week is a combination of the DE2DC educational event and the Directed Energy Summit, which was founded by the Center for Strategic and Budgetary Analysis and Booz Allen Hamilton. The DE Summit was held in March this year.
- The annual DE Outreach Publication is produced each year with updated inputs from campaign members on HEL and HPM DE technologies and capabilities. This document is available on the DEPS website (www.DEPS.org).

DE2DC 2019

The 8th annual DE2DC 2019 educational outreach event was held in Washington, DC, on Capitol Hill and at the Pentagon, 29 April – 2 May 2019. Exhibitors for this year's event included:

II-VI Optical systems Advanced Cooling Technologies

Aegis

AFRL Directed Energy HPM Division

AFRL Directed Energy Laser Division

AFRL Directed Energy M&S

AFRL Airman Systems Directorate

Applied Research Associates

Applied Technology Associates

BAE Systems

BEI Precisions

Booz Allen Hamilton

Boeing

Coherent

Directed Energy Professional Society

General Atomics Electromagnetic Systems

Gryphon Technologies

Heraeus

Honeywell

Joint Directed Energy Transition Office

Joint Non-Lethal Weapons Directorate

L-3 Brashear

Lasertel

Leidos

Lockheed Martin Corporation

MZA Associates Corporation

NanoElectromagnetics

Naval Surface Warfare Center Dahlgren

Navy Research Lab

nLight

Northrop Grumman

Optimax

Radiance Technologies

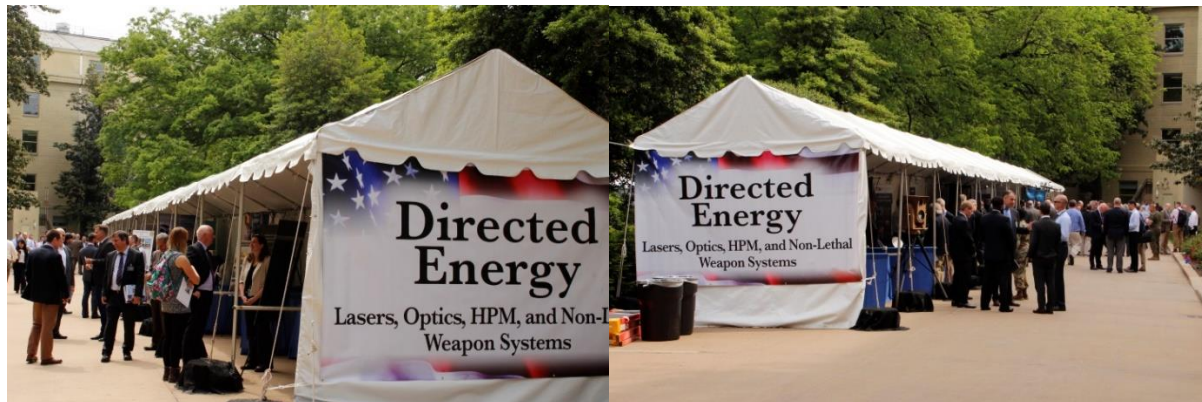
Raytheon

Sandia National Laboratories

SMDC (Army)

Versus Research

WSMR G5/9



Details of the 8th annual DE2DC 2019 educational outreach event are outlined below:

Hardware Exhibit at the Pentagon

- On Monday and Tuesday, 29-30 April 2019, 49 exhibits showcasing DE technologies were displayed in the courtyard of the Pentagon. These exhibits were hosted by Under Secretary of Defense, Research & Engineering USD (R&E), DE JTO and SAF/AQ.
- Exhibits provide critical information on how DE empowers the warfighter.
- Traffic through the exhibit area was excellent. Several exhibitors were asked to provide additional information at follow-on meetings; others made significant contacts.
- The exhibitors were pleased to network with the other vendors. These interactions often lead to partnerships and sharing of best practices.

- Notable visitor's to the exhibit area included: Dr Nikolich, DDRE (R&T); Mr O'Donnell, OUSD (A&S); Dr Karr, OUSD (R&E)/AD-DE; Dr Perkins, DDRE (AC&P); and the Military Liaison to Representative Langevin's office..



Hardware Exhibit and Reception at the Rayburn Foyer in the Rayburn House Office Building

- On Thursday, 2 May 2019, a hardware exhibit and reception hosted by the DE Caucus, was held in the Rayburn House Foyer.
- Notable visitors to the exhibit area included Staff from Congressman Lamborn, Staff from Congressman Langevin, and Rep Katko Senior Legislative Assistant.





Assessment and Results of DE2DC 2019

As a result of educating decision makers and warfighters through the efforts of the outreach campaign and the annual educational DE2DC event, informed decisions are being made in regards to DE. The increased support and interest in Directed Energy can be directly attributed to the outreach campaign.

- The timing of the event gives warfighters and decision makers the opportunity to be more informed before budgets are submitted.
 - Funding for DE has increased due in large part to educationally outreach.
- The newly re-commissioned DE caucus had the opportunity to see DE in action.
- Face to face interaction between the DE communities facilitates a clear understanding of the state-of-the-art and how it can be advanced and leveraged in the community.
- Networking across the community benefits all and encourages partnerships.
- Coming together as a community allows for speaking with one voice on the maturity of Directed Energy.
- Education continues to be successful in facilitating transition of Directed Energy Systems.

How to join the DE Outreach Campaign

Contact Cynthia Kaiser, Program Manager DE Outreach Campaign for the DE JTO, at cynthia@stsincalb.com or cynthia@deps.org.

DE2DC 2020 will take place in DC on 30 March – 2 April 2020. It is never too early to join the campaign.