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### **DEPS Welcomes Three New Fellows**

**ALBUQUERQUE, NM, March 8** – Announced on Friday, Mr. Edward Duff, Dr. Nicholas Morley, and Mr. Robert Praus are the newest candidates to be elevated to the rank of Fellow of the Directed Energy Professional Society (DEPS) for their extensive contributions and distinguished service to the DE (Directed Energy) community. Candidates must have at least 10 years of active practice in DE-related fields such as high power lasers, optics and high power microwave technologies to be considered for Fellow.

Mr. Edward Duff, currently serving as the Weapons Modeling, Simulation and Analysis Lead for the DE Directorate at the Air Force Research Laboratory (AFRL,) was recognized for his more than 40 years of contributions as a technical leader and innovative advocate for the DE community. Duff has originated and led programs that conceptualized and demonstrated laser weapons including the DELTA Project and the OPTICS Project, as well as served as the Director of the AFRL Directed Energy Transition Office, the Division Chief of the Program Integration Division and led the AFRL support of the Airborne Laser program. Duff continues to provide strategic guidance to both the High Power Electromagnetics and High Energy Laser (HEL) Divisions at the AFRL.

Dr. Nicholas Morley, Laser Systems Core Technical Competency Lead for the Directed Energy Directorate of AFRL, was acknowledged for his outstanding leadership and technical contributions in the development, integration, and test of major Air Force HEL weapon systems and for directing research efforts in beam control, adaptive optics, source development and HEL Subsystem Integration. Dr. Morley's substantial experience with HEL's gave him the in-sight to resolve integration challenges with

the 150 kW class Defensive Laser Weapon System (DLWS,) the Airborne EO/IR Laser Targeting System and the Self-Protect High Energy Laser Demonstrator (SHiELD) programs. Dr. Morley is currently serving as the Symposium Chair for the DEPS 2019 Annual DE Science and Technology Symposium.

Mr. Robert Praus, President and co-founder of MZA Associates Corporation, was recognized for his more than 30 years of contributions to the DE community in the areas of modeling and simulation, beam control hardware development, system testing, data analysis and project management. Praus, an esteemed entrepreneur, developed the Wavefront Control System Simulation (WCSS) software in support of the LODE program, which later led to his development of the highly regarded WaveTrain code. WaveTrain facilitated the simulation of DE systems and has been used on nearly every major HEL program over the past 20 years including ABLE-ACE, ABL, DLWS, SSLDB, JHPSSL and HELFAD.

“These pioneers represent decades of contribution and leadership spanning seminal work on baseline codes/models used across the DE world, rigorous and disciplined laser technology and effects research and championing the use of advanced wargaming as a capability assessment tool. The members of the Board of Scientific and Engineering Advisors (BSEA) who had the difficult task of reviewing and selecting from a larger, very worthy pool of candidates, congratulates the DEPS Fellows Class of 2019 on their achievement,” said Dr. Diana Loree, DEPS Board of Directors Liaison to the BSEA.

The Directed Energy Professional Society fosters research, development and transition of directed energy (DE) technologies, including high energy laser (HEL) and high power microwave (HPM) technologies, for national defense and civilian applications through professional communication and education. For more information, visit [www.deps.org](http://www.deps.org)

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