



TECH TRANSFER

DI Technical Showcase Autonomous Target Recognition

During the inaugural session of the DI Technical Showcase Dr. David Gray, Information Exploitation Sub-CTC Lead at AFRL/RW, discussed research priorities in Autonomous Target Recognition (ATR) and emphasized the lab's interest in establishing collaborations with industry and academia. He described the unique ATR requirements of munitions and highlighted challenges such as domain mismatch of synthetic vs real sensor data. Dr. Gray also provided an overview of the AFRL/RW YavinML Data Science Toolkit which is available for use by industry. Prior to Dr. Gray's presentation, businesses were invited to submit their unique capabilities in ATR and 5 of the 21 submissions were selected to pitch their capabilities to a panel of AFRL/RW technical experts.

PURPOSE

The DI Technical Showcase event series provides a virtual platform for the exchange of knowledge between the government, businesses and universities.

Each iteration features a different research area at AFRL/RW and provides industry with a platform to showcase their cutting-edge technical capabilities to scientists and engineers at AFRL/RW and other government agencies.

Event Outcomes

- AFRL/RW presentation to industry
 - 102 registrations
 - 40 attendees
- Industry presentations to AFRL/RW
 - 21 submissions
 - 5 submissions down-selected by RW to present
 - 13 government attendees
- Numerous TPOC meeting requests
- 1 submission to the Air Delivered Effects BAA

Recordings of past DI Technical Showcase presentations can be accessed at: <https://www.doolittleinstitute.org/technicalshowcase>