Tech Transfer

DI Technical Showcase Advanced Scene Generation

DI hosted its fifth Technical Showcase event featuring the Advanced Scene Generation research area. Mr. Robert Watson, scene generation technology lead at AFRL/RW, delivered an insightful presentation that addressed how AFRL/RW utilizes scene generation technology and common challenges in advanced scene generation. Mr. Watson also discussed the interplay between scene generation technology and two other research areas at RW: hardware-in-the-loop simulation and autonomous target recognition. The presentation included details on the Fast Line-of-Sight Imagery for Targets and Exhaust-plum Signature (FLITES) software which provides high fidelity scene generation capabilities for a multitude of applications. The software is available for use by industry and provides a platform for industry and government to collaborate in the advancement of scene generation technology.

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

- Government Presentation to Industry
  - 36 Registrations
  - 34 Attendees
- Industry/Academia Presentations to Government
  - 6 submissions
  - 5 small business selected by AFRL/RW to present
  - 5 technical experts from AFRL/RW in attendance
- 1 company with dual capabilities referred to Autonomous Target Recognition research area

Recordings of past DI Technical Showcase presentations can be accessed at: https://doolittleinstitute.org/technical-showcase/