Debating Slaughterbots and the Future of Autonomous Weapons

In just the past few weeks, we have seen multiple non-state actors launch saturation attacks with drones. These include 13 homemade aerial drones launched against a Russian air base in Syria and three remote-controlled boats used to attack a Saudi-flagged oil tanker in the Red Sea. I predict we are likely to see more attacks of this kind over time, at larger scales, with greater autonomy for the drones, and eventually cooperative autonomy (“swarming”). I do not think it is likely that non-state actors will gain access to sufficient scale and capability to launch attacks on a scale that would be reasonable... Read More

MODEL OF THE MONTH

ESAMS – Enhanced Surface-to-Air Missile Simulation (ESAMS) is a computer program used to model the interaction between an airborne target and a surface-to-air Missile (SAM) air defense system. Detailed data have been abstracted from intelligence information and incorporated into the model to provide comprehensive representation of radio frequency (RF) land-based and naval-based SAM systems. Get this model!!
VOICE FROM THE COMMUNITY

Dr. Carl W. Magnuson  
Texas Research Institute Austin Inc., NDE Division, Division Director

Dr. Carl W. Magnuson has a PhD in Materials Science and is an expert in the nondestructive evaluation (NDE) of materials. TRI Austin’s NDE division focuses on developing and evaluating novel and existing NDE techniques, products, and data analyses. Dr. Magnuson is currently involved with the Engineered Residual Stress Implementation workgroup for the US Air Force. The need for a nondestructive method to verify the cold expansion of fastener holes has led him to develop a handheld inspection system, the FastenerCam™.

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UPCOMING EVENTS

33rd Annual National Test & Evaluation Conference  
15 May, 2018 to 17 May, 2018

61st Annual Fuze Conference  
15 May, 2018 to 17 May, 2018

JANNAF Meeting  
21 May, 2018 to 25 May, 2018

JASP FY19 Proposal Review Meeting  
22 May, 2018 to 24 May, 2018

Want your event listed here? Let us know!

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Flare Aerodynamic Modeling Environment (FLAME) & Tri-Service Flare Database (TFD) Now Available Through DSAIC

DARPA Launch Challenge (DLC)

2018 JASP Model Users Meeting (JMUM)

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- Researchers Boost Efficiency and Stability of Optical Rectennas

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- DARPA OFFSET Second Swarm Sprint Pursuing State-of-the-Art Solutions

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- Navy Likely to Be First Service to Field Laser Weapons

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- Quantum Radar Technology Could Expose Advanced Stealth Aircraft and Missiles

**NON-LETHAL WEAPONS**

- Non-Lethal Weapons Technology to Stop Vehicle and Vessel Attacks

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**SURVIVABILITY AND VULNERABILITY**

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- Navy Seeking Role in National Hypersonics Initiative
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