

Defense Systems

DIGEST

5 JUNE 2018 – THE LATEST FROM DEFENSE SYSTEMS INFORMATION ANALYSIS CENTER



NOTABLE TECHNICAL INQUIRY

What small/micro Identification, Friend or Foe (IFF) transponders could be used in small UAVs?

DSIAC worked with the Georgia Tech Research Institute (GTRI) and various transponder manufacturers to survey and catalog small/micro-sized IFF transponders that could be candidates for use in small (Group 1) unmanned aerial vehicles (UAVs). The smallest of these transponders weigh only a few ounces... [Read More](#)

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FEATURED NEWS



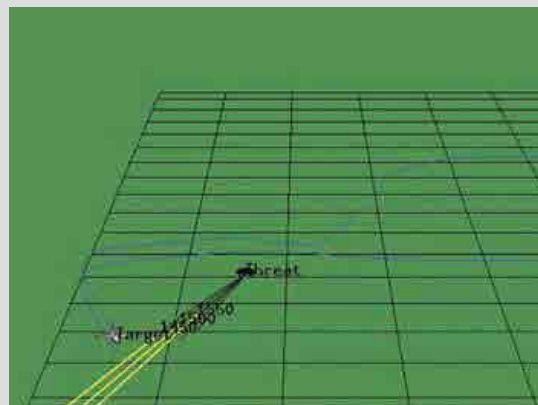
Commander UNC, CFC, and USFK Perspective on Strategic Environment and Future Critical Capabilities

The diplomatic and economic efforts of the United Nations Command (UNC), the Republic of Korea (ROK) and U.S. Combined Forces Command (CFC), and the U.S. Forces Korea (USFK) rest on the foundation of a credible, ready military capability. Efforts to maintain a high state of military readiness are coupled with developing and strengthening relationships within the U.S.-ROK Alliance, regionally with our allies and partners, and globally with UNC Sending States to ensure that we have a structure of relationships tailor-made to adaptively respond to potential security challenges in the region. I am confident... [Read More](#)

MODEL OF THE MONTH

IVIEW 2000 – IVIEW 2000 is a post-processing graphical presentation package, for various computer simulations modeling multiple object engagements and is used to view player activity in a real-time movie-like 3-D display.

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VOICE FROM THE COMMUNITY



Joseph "Joe" A. Cole, *Homeland Defense & Security Information Analysis Center (HDIAC), Deputy Director*

In my current position I am able to ensure that the Department of Defense (DoD), the Defense Science & Technology enterprise, and the broader homeland defense and security (HDS) community is receiving up-to-date scientific and technical information and superior research and development innovations. Over my 30 years of service as a Federal Agent and US military officer (USMC, USN and US Army), I have seen first-hand the need for technologically superior capabilities that not only enhance the mission, but increase war fighter effectiveness and protection. As such, I am honored to be a member of the DoD IAC team and enjoy helping integrate emerging technologies into the larger DoD innovation strategy, mission, and operation(s).

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UPCOMING EVENTS

2018 NSMMS & CRASTE

25 June 2018 to 28 June 2018

2018 MSS Tri-Service Radar Symposium (TSRS)

25 June 2018 to 29 June 2018

AIAA Propulsion Energy Forum

9 July 2018 to 11 July 2018

DARPA First Annual Electronics Resurgence Initiative Summit

23 July 2018 to 25 July 2018

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Looking for rotary wing technical data? Check out the HELODB Helicopter Database System

Building More Survivable Defense Systems and More Effective Weapons: A Short Course on LFT&E

Want to see more DSIAC infographics? Check out this sample on non-lethal weapons and suggest one with a Technical Inquiry

Find out more about the CSIAC, DSIAC and HDIAC Basic Centers of Operation

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DSIAC JOURNAL WINTER 2018



Grease is the Word: Ecofriendly Sailor-Safe Lubrication for Sea Systems

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- A New Design for a Better Bunker Buster
- Two Arms are Better Than One: The Benefits of a Dual-Arm Robotic System
- Expanding the Navy's Unmanned Systems Portfolio: An Update

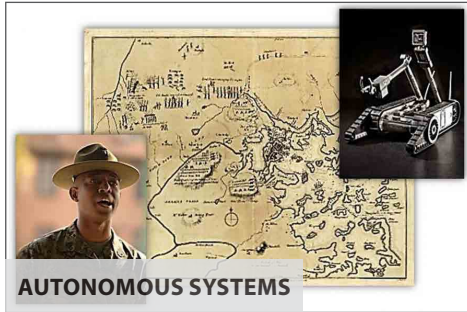


► Have an idea for a topic? Please contact us to write an article!

RECENT NEWS



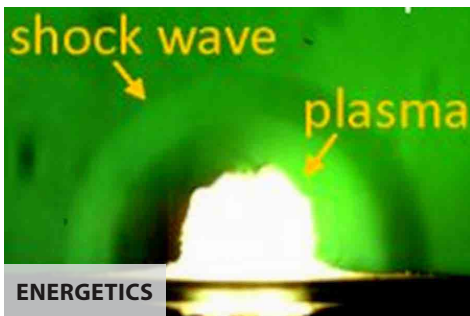
Rutgers Engineers 3D Print Shape-Shifting Smart Gel



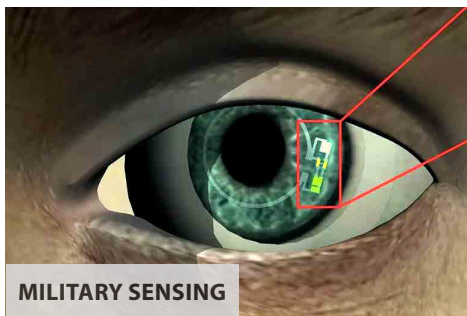
Researchers Develop New Tools to Train Robots



GA-EMS to Develop High Energy Density Capacitors for US Navy's HPM Systems



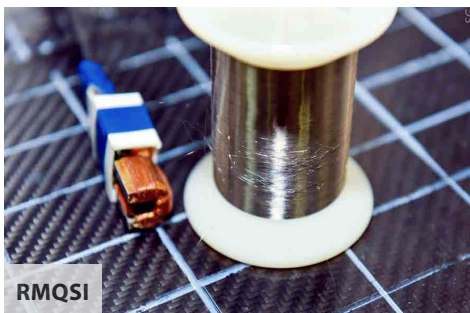
Army's New Find Lowers Accidental Stockpile Detonation



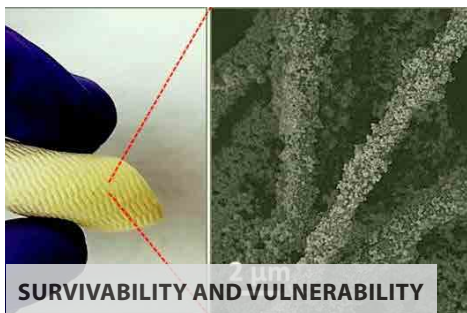
New Smart Contact Lens for Diabetics



Weapons with Wi-Fi – the Internet of Battle Things (IoBT)



Scientists Develop First Non-Contact Method of Measuring Internal Stresses for Aerospace and Aircraft Engineering



New Fabric Coating Could Thwart Chemical Weapons, Save Lives



Marines Want Armored Recon Prototypes by 2023: F-35 On Wheels or FCS Redux?

NEWLY AVAILABLE STI

Documents only available through DTIC to registered users.

Phase Field Approach To Interaction Of Phase Transformation And Dislocation Evolution

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Optimization Of Electromagnetic Transducer Systems

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Magnetism, Elasticity, And Magnetostriction Of Fecoga Alloys

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