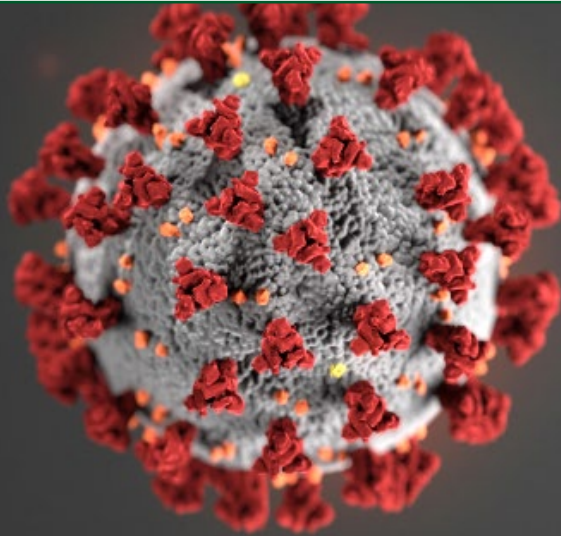


# Defense Systems

## DIGEST

7 APRIL 2020 – THE LATEST FROM DEFENSE SYSTEMS INFORMATION ANALYSIS CENTER



### NOTABLE TECHNICAL INQUIRY

*What are the best practices for mitigating viral spread and decontaminating nontraditionally-manufactured parts?*

The United States is challenged with responding to the nation's urgent need for more personal protective equipment (PPE) to protect citizens from the COVID-19 virus. The U.S. government has tasked a manufacturing panel on the White House's COVID-19 task force to develop standard operating procedures (SOPs) for manufacturers, both large and small... [Read More](#)

► **SUBMIT YOUR TECHNICAL INQUIRY – 4 hours of research service for FREE**

### FEATURED NEWS

# UNITE AND FIGHT

COVID-19 Response Team /// Powered by the Department of the Air Force

### COVID-19 Response Team

In a time of unprecedented change and disruption, the U.S. Air Force has established the Unite and Fight: COVID-19 Response Team initiative to assess and rapidly respond to challenges presented by this pandemic.

To kick off the effort, we are collecting information from both government and nongovernment personnel who are interested in getting involved. All resources and solutions are welcome from industry, academia, U.S. Department of Defense personnel, venture capital firms, individual contributors, and more. [Read More](#)

VOICE FROM THE COMMUNITY



**Loretta Vandenberg**, *Quantico Tactical, C4I Category Manager*

I am a retired Colonel with the U.S. Marine Corps, who served as the director for 200 personnel within the communications section. I am responsible for the base telecommunications, IT infrastructure planning, network operations, cyberdefense, data center operations, and enterprise services provisioning for 161 home training centers supporting 40,000. I am also lead solutions architecture support for our government account team at Quantico

Tactical. I have a Master of Science in computer science from the Naval Postgraduate School and a Bachelor of Science in chemistry from Washington and Lee University.

► Apply to be part of our network of over 1,000 subject matter experts.

UPCOMING POSTPONED EVENTS

**2020 Aircraft Combat Survivability Short Course**

7 April 2020 to 9 April 2020

**Foreign Naval and Maritime Threat Symposium**

11 April 2020

**Precision Strike Annual Review 2020 (PSAR-20)**

14 April 2020 to 15 April 2020

**International High-Power Laser Ablation Symposium**

14 April 2020 to 17 April 2020

► Want your event listed here? Let us know!

HIGHLIGHT



**Volume 3 Issue 1**

The newest edition of the Journal of DoD Research and Engineering (JDR&E) is now available.

Access your copy of the NIPR journal or download individual articles at <https://go.usa.gov/xdSyT>.

Access your copy of the SIPR journal or download individual articles at <https://www.dodtechipedia.smil.mil/dodwiki/x/HgAFD>.

DSIAC JOURNAL WINTER 2020



**The Synthetic and Measured Paired and Labeled Experiment (SAMPLE) Dataset for SAR ATR Development**

**Also in This Issue:**

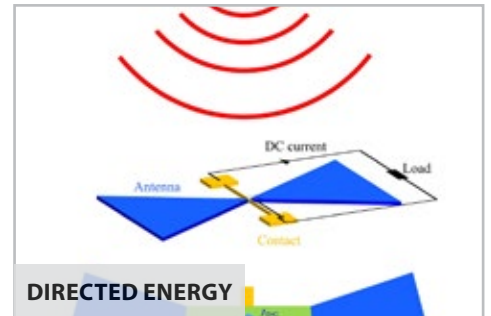
- System Capabilities Analytic Process and Advanced Teaming Analyses
- Flight Standards for UAS in the National Air Space
- Preventing Injuries Through Actionable Analysis
- What Does Next-Generation, Passive RPG Protection Look Like?
- Augmented Target Recognition Display Recommendations



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

RECENT NEWS

**ADVANCED MATERIALS**



**COVID-19 Health Care Needs and AM Capabilities Repository**

**Navy TRUAS Challenge Winners Announced**

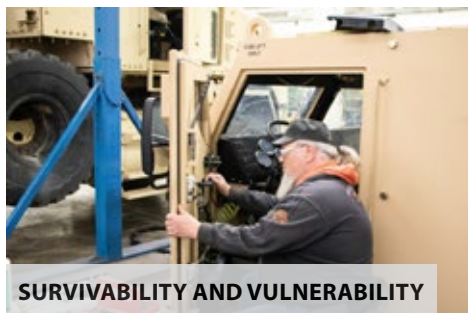
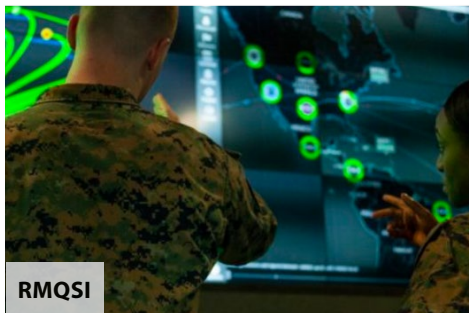
**High-Frequency Rectification via Chiral Bloch Electrons**



**Making Satellites Safer: The Search for New Propellants**

**Northrop Grumman Successfully Demonstrates "On-The-Move" Ground Radar Capability**

**178th Security Forces Squadron Leads Security Execution in Domestic Operations Exercise**



**Army Researchers Measure Reliability, Confidence for Next-Gen AI**

**PEO, RIA-JMTC Partner on Husk to Improve Soldier Survivability**

**Joint Team Ensures Hypersonic Test Success**



### Webinar: Shape Memory Alloys for DoD Applications

Wednesday 29 April 2020, 12:00 p.m. to 12:45 p.m. EST

In this webinar, an overview of shape memory alloys will be presented. The characteristic and functional properties of shape memory alloys will be discussed, along with the fundamental mechanisms to control these unique properties. Some of the current issues and applications will also be presented, especially within the context of DoD applications.

[Read More](#)

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