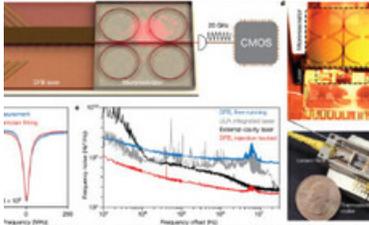# CYBER DEFENSE REPORT

JUNE 2020

High-performance photonics for defense takes a giant step forward, study says

LISA DAIGLE, ASSISTANT MANAGING EDITOR

A new result published in the journal Nature by a team of academic researchers led by University of California at Santa Barbara (UCSB) demonstrates stable, turnkey operation of chipscale optical frequency combs, which means that component makers are a giant step closer toward enabling broader manufacture and use of high-performance photonics for defense and other use.

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Critical USAF cyber infrastructure situational-awareness contract signed with SAIC for $630 million

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Science Applications International Corp. (SAIC) has won a contract from the U.S. Air Force 557th Weather Wing to manage and modernize the critical hardware and software for its Technology Application Development and Sustainment (TADS) system to support the development of accurate and timely weather reports, which are critical for warfighters in the field.

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Cybersupport for major U.S. Navy command to come from Alion Science & Technology

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Alion Science and Technology has won a contract worth $59 million to support the enhancement of computer-based weapons systems for the U.S. Navy Warfare Development Command (NWDC).

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BlueSky firewall software update to strengthen GNSS protection

EMMA HELFRICH, ASSOCIATE EDITOR

Microchip Technology Inc. announced the release of a major software update for its BlueSky GNSS Firewall product, designed to provide a higher level of resiliency against GPS vulnerabilities for systems dependent on GPS signal reception.

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Software container security to be accelerated under AFWERX contract

EMMA HELFRICH, ASSOCIATE EDITOR

Anchore, Inc., company specializing in DevSecOps workflow for software containers, announced it has won a $2.25 million AFWERX Small Business Innovation Research (SBIR) Phase II contract. The contract is focused on securing and hardening software containers through automated, policy-based DevSecOps workflows.

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Defense spending down globally due to pandemic, study finds

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Defense spending during and post the COVID-19 pandemic under three scenarios -- gradual containment, severe pandemic, and global emergency -- will either stagnate or decline as governments around the world allocate funds to contain the pandemic and reactivate the economy, according to a new study from Frost & Sullivan, "Post-pandemic Growth Opportunity Analysis of the Defense Industry."

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Cybersecurity support contract for USMC signed with Concurrent Technologies

LISA DAIGLE, ASSISTANT MANAGING EDITOR

Concurrent Technologies Corporation (CTC) has agreed

to a contract modification worth $2.75 million with the U.S. Marine Corps Installations Command (MCICOM) to continue to provide functional and technical programmatic support for securing the Marine Corps' Facility Related Control Systems (FRCS). The most recent accord is the second of two option periods on the original contract -- awarded in March 2018 -- and runs through March 2021.

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Advanced battle management system contracts from USAF worth $950 million awarded

EMMA HELFRICH, ASSOCIATE EDITOR

The United States Air Force (USAF) has awarded development contracts to 28 vendors for its Advanced Battle Management System (ABMS) that could be worth $950 million over five years.
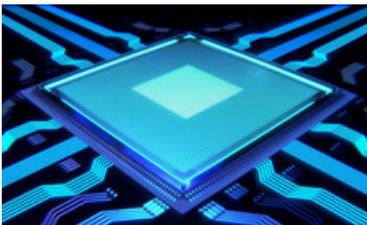
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Cybersecurity and transport services to be provided to NGA

EMMA HELFRICH, ASSOCIATE EDITOR

CACI International Inc. announced that it has been awarded its largest contract in company history, a single-award indefinite delivery/indefinite quantity (IDIQ) contract to provide transport and cybersecurity services to the National Geospatial-Intelligence Agency (NGA).

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Training solution to streamline Army combat readiness

EMMA HELFRICH, ASSOCIATE EDITOR

Perspecta Inc., U.S. government services provider, announced that it won an Other Transaction Agreement from the U.S. Army Training and Doctrine Command to deliver the Army Training Information System (ATIS). The four-year, fixed-price award represents new work for the company with a total potential ceiling value of $237 million.

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