

# DEFENSEWERX

NEWSLETTER



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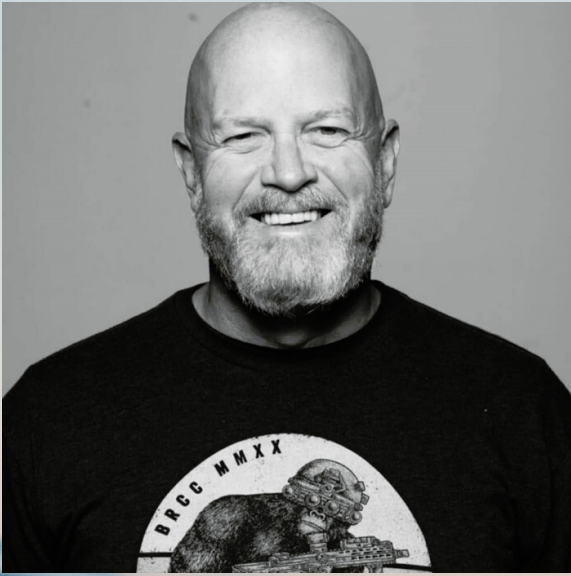
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# James "Jim" Andrew Cunningham

1969-2021



James "Jim" Andrew Cunningham, DEFENSEWERX's Chief People Officer, passed away suddenly on Tuesday, September 28th at age 52. Jim was born on August 22, 1969, in Merrillville, Indiana.

Jim was a man of many accolades, earning his PhD in Industrial Organizational Psychology while also serving honorably in the United States Air Force for 20 years. He served in several deployments for both humanitarian and wartime missions, in the Middle East, Africa, and Europe. He went on to achieve great success in both his personal and professional lives.

Wherever Jim went, home was always with him and all that he met, became his family. Jim has friends all over the globe, from his time overseas in Crete, Greece, Germany, Keflavik, Iceland, to various locations in the Southeast and, finally, making a permanent home for his family in the Gulf Coast.

Jim lived life to the fullest, always up for any adventure with his soul mate and wife of 29 and half years, Linda. Jim adored his 2 children, Jasper (Jacy) 25 and Cassidy 22 - he was so proud of their amazing spirits and watching them soar into adulthood.

Jim was preceded in death by his father, Frank Cunningham; his father-in-law, Eugene (Butch) Recanzone, and his brother, Frank A. Cunningham, whom he loved dearly.

In addition to Linda (nee Recanzone), Jim is survived by his two children, Jasper (Charlie B) and Cassidy (Nick), as well as his mother, Irma Cunningham (Barath), and Mother-In-law, Carmen Recanzone. He is also survived by his sister, Andrea Keehn (Tim); his niece, Jessica Keehn; her Son, Andrew Keehn, his brother's wife, Cheryl (Frank A. Cunningham), and her two children, Chris (Jen) Cunningham and Kelly (Matt) (nee Hard) Cunningham as well as their families.



# SOFWERX

## SOF Small Arms Weapons Assessment Event (AE) Series



From August 31 to September 2, 2021, SOFWERX in collaboration with USSOCOM PEO SOF Warrior (PEO-SW), hosted a series of Assessment Events (AE) to identify solutions to the 1) Lightweight Machine Gun Medium (LMG-M), 2) Medium Range Gas Gun – Assault (MRGG-A), and 3) Medium Range Gas Gun – Sniper (MRGG-S).

Out of 30 submissions, USSOCOM selected 28 capabilities from 16 organizations to have one-on-one discussions with the government team.

During the event, a team of 30 USSOCOM representatives participated in person and virtually to evaluate Industry capabilities. Based on the outcome of the one-on-one discussions, USSOCOM will downselect their top candidate(s) to advance to the next phase of this effort.

## Modernization of Digital Media Exploitation (M-DOMEX) Assessment Event (AE)

On September 8 and 9, 2021, SOFWERX in collaboration with USSOCOM PEO Special Reconnaissance (PEO-SR) PMO SSE, hosted an Assessment Event (AE) to explore emerging capabilities to support the modernization of digital media exploitation (M-DOMEX).

USSOCOM sought many technologies for an online and/or offline environment. They were looking to support acquiring and extracting data resident on digital media | Parse, process, and transform extracted contents for digital forensics | Analyze resultant extracted data | Organize and display data based on user-defined parameters | Export results in an open standardized format to a web portal | System integration of multiple digital forensic tools.

Out of 70 submissions, 10 Industry organizations were selected to present 12 different capabilities. During the event, a team of six government representatives participated in person and virtually. Based on the outcome of the one-on-one discussions, USSOCOM will downselect their top candidate(s) to advance to the next phase of this effort.





# MGMWERX

**Transferring Knowledge, Concepts, and Ideas**

## United States and Singapore Air Force Innovation Event



MGMWERX hosted an Innovation Education Workshop between the US Air Force and the Republic of Singapore Air Force; sponsored by Air University, AUiX, and AFWERX. Airmen from the Republic of Singapore and the US Air Force collaborated to identify innovative solutions to shared problems between both Air Forces. Using a hybrid approach, in-person USAF Airmen collaborated with Singaporean Airmen and AFWERX leadership via international VTC. The ideation inputs were captured through Miro, a digital whiteboard platform. Airmen attended breakout sessions to tackle specific solutions to improve organizational culture and policy.

Some USAF Airmen also took in part in Design Warfare, a unique 4-week design thinking course offered by Air Force All Spark and Air University. The leadership course encourages an entrepreneurial, user-centric mindset to address problems.



## Summer Workshop on Teaching Space (SWOTS)

In late July 2021, MGMWERX collaborated with Air University to host the Summer Workshop on Teaching Space (SWOTS), a five-day workshop that offered an intensive short course on the fundamentals of a space curriculum.



The weekend long seminar introduced academics to new and innovative techniques for teaching about space and provided access to high-level government and private officials working in the space industry. Participants were acquainted with current issues dominating US space policy and potential solutions. Former US Congressman and NASA Administrator, Jim Bridenstine, was a keynote speaker. He also met with local community and business leaders, city officials and the Lt Governor's Office.



DEFENSEWERX

Challenges are opportunities



## Facility Security Officer, Frank DiCarlo



The Cyber Fusion Innovation Center (CFIC) is pleased to introduce team member Mr. Frank DiCarlo, CFIC's Facility Security Officer. Frank is a former Security Manager for the United States Naval Academy in Annapolis, MD. He is a retired Electronics Technician First Class Petty Officer of the United States Navy after 20 years of honorable service. While on active duty, he performed a multitude of jobs and tried to do something different on each tour. During his time in the Middle East, he was cross-trained to become a Security Specialist.

Frank has over 24 years of experience in both the industrial and government sectors. Frank started with CFIC in April of 2020 and has been keeping it secured since then!

Frank is a huge college football fan and loves the Georgia Bulldogs. GO DAWGS! He is also an avid golfer but had to put that career on hold after his wife gave birth to his first son in 2016 and boy/girl twins in 2019. He has aspirations to join the Senior tour in 2037.





## ERDCWERX Launches New Website to Promote ERDC Intellectual Property

A new website has been launched by ERDCWERX. A resource for licensing intellectual property of the U.S. Army Engineer Research and Development Center (ERDC), the site promotes patented technologies with high potential for dual-use commercialization through industry partnerships.

**www.ERDCinnovation.org** is organized to help companies quickly review and identify licensing and commercialization opportunities in construction, materials, environment and energy, and other technology categories.

Many of ERDC's patented innovations have been prototyped and are advanced on the technology readiness level (TRL) scale. These solutions often address known challenges or opportunities within the U.S. military that may also be experienced within the public and private sectors.

ERDC has expanded its licensing options to include evaluation licenses that complement the traditional commercial license option. Its streamlined licensing process positions ERDC to receive applications that can lead to mutually beneficial agreements and commercialization success. Companies are encouraged to visit the website and contact ERDCWERX with general questions about licensing and to discuss licensing interests.

To learn more about ERDC technologies and how to license with ERDC, visit

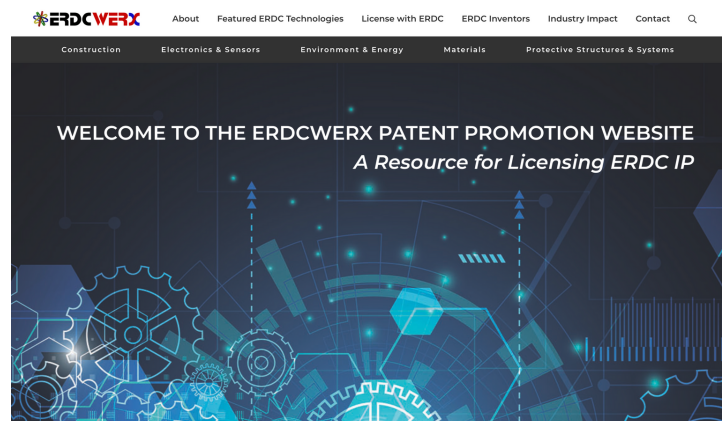
**www.ERDCinnovation.org.**

## ERDCWERX, ERDC Invite Proposals for Innovative Commercial Solutions

A new commercial solutions platform, available at [www.erdcwex.org](http://www.erdcwex.org), seeks to accelerate the application of commercially-derived solutions to installation modernization. ERDCWERX invites proposals for funding consideration through the Commercial Solutions Opening (CSO) at the U.S. Army Engineer Research and Development Center (ERDC)'s Construction Engineering Research Laboratory.

The CSO platform supports a broad appeal for proposals that address modernization priorities within the Department of Defense. The platform also features specific projects that are funded and prioritized for implementation, examples of which are two development pilots for access control and smart dashboard systems at Redstone Arsenal, Alabama, and Fort Benning, Georgia, respectively.

For more information about the ERDCWERX commercial solutions platform, visit [www.erdcwex.org/commercial-solutions](http://www.erdcwex.org/commercial-solutions).





## SMALL BUSINESS & ENTREPRENEURIAL AWARDS



Through a generous grant from the Gulf Power Entrepreneurial Support Initiative, the Doolittle Institute recently awarded three \$5000 grants to Northwest Florida companies in the targeted industries of Aerospace & Defense, Cybersecurity and Manufacturing.

In order to be considered for the grants, businesses had to meet specific requirements, such as location and small business status. They also had to describe how they would use the award and their impact on the Northwest Florida area. After a thorough review the following companies were chosen: ARGO Cyber Systems, LLC, ECHO Process Instrumentation, and Flight Level Engineering, LLC.

We congratulate these regional small businesses for their innovation and dedication to our community. We would also like to thank the Gulf Power Entrepreneurial Support Initiative for making these opportunities possible.

## MUNITIONS DEVELOPMENT PROJECT

A team comprised of representatives from RW, industry, LCMC/EB, the test community, and operators/end users collaborated to ideate on design solutions for a new munition concept by engaging in a Tech Sprint that was coordinated and facilitated by DI. The matured concept resulting from the Sprint, the Joint Enhanced Radius Intelligent Collaborative Ordnance (JERICO), will be further developed via digital prototyping. Joint development on this concept will be “digital from day one” and will continue to be a collaborative effort between stakeholders from R&D, acquisitions, industry, test, and operations. The team will utilize agile, open, and digital processes to rapidly develop the JERICO concept with the intent of demoing the concept and will also leverage the Golden Horde Colosseum environment to drive investment decisions.

