

SBIR/STTR TRANSITIONS

2018 SUMMER



FROM THE DIRECTOR

Urgently and often, Naval leadership has been talking about doing things differently ... and faster. What began as just a drumbeat, is now a full-throated roar, across the Fleet and Force. Assistant Secretary of the Navy, James Geurts, drew a line in the sand with his June 11th memo to his System Commands:

“It is critical to our accelerated acquisition campaign to re-think the policies, procedures, processes and tools across the acquisition community to support programs exploring new authorities I’m keenly interested in your ideas on different organizational constructs I am open to any other ideas on how the DON can provide additional support to facilitate agility and speed in acquisition.”

I’d say that the Naval SBIR/STTR Program has been successfully practicing what Naval leadership is preaching about strategic change, about delivering innovation faster and cheaper. Here’s what we’re doing differently, today, with your

help, and, where we’re headed tomorrow. Here’s our contributions to the Naval mission:

Initiatives and Training

- Most of you SBIR/STTR awardees have benefited from our exploration with the Lakehurst, NJ, Contracting Center, of reducing your “time without money”. Our monthly performance dashboards show that over the past two years, we have realized a 20% reduction in elapsed time to get you under contract. The average “time without money” is just 5.9 months – and we will continue to improve!
- Furthermore, during the “Catapult Challenge” in Hampton Roads, VA, we watched Debbie Raffi, Head of Contracts at the Office of Naval Research, spearhead an innovative approach for creating a contracting fast lane for innovative technologies, and a venue to discuss using Other Transaction Authorities (OTAs).

- Have you found improvement in our 17- and 18-series topics? OSD definitely has! Across all DoD components, DON topics were declared “best written” by the OSD Office of Small Business Programs (OSBP) – the result of our well-orchestrated improvements in topic management.

- DON OSBP Director, Ms. Emily Harman, has invited me to join her on visits to Commands – a great opportunity to speak directly with System Commands and PEO leadership about using our agile Phase III process to deliver innovation faster. Our Phase III Guidebook remains “best in class”, and I proudly advocate its use by all DON acquisition staff.

Outreach and Collaboration

- Our “Primes Summit” outreach to the defense industrial base has expanded to include university-based innovation hubs – emphasizing multi-campus systems with great engineering schools (Connecticut, Indiana,

Michigan, Massachusetts, California, and Arizona). What do they all have in common? All of them want to stand up a no-kidding SBIR/STTR capability and focus on delivering innovative R&D to the defense department and to other customers. We're there to help, and plan to expand this effort.

- American advanced manufacturing centers (such as the Flexible Hybrid Electronics Manufacturing Institute) are opening entirely new paths for innovation. We've committed to a great pilot at UMASS Lowell with Raytheon Integrated Defense Systems to help SPAWAR PEO C4I revolutionize undersea communications.

- With 18 years of high-profile annual Navy SBIR/STTR forum marketplaces under our belts, we're taking a leaf from the NAVSEA and NAVAIR SBIR playbooks, and plan to let innovation stakeholders across the nation propose new locations for our celebrated Forum for SBIR/STTR Transition (FST). We loved the Sea-Air-Space Expo connection; but, the rest of the nation beckons

- 2018 marked our increased, focused, formal collaboration with front-line DoD components; such as Special Operations Command (SOCOM) and the new Defense Health Agency. They like our agility and skill in acquisition collaboration, and we like their proximity to warfighters.

Mission and Message

- Accelerating and improving Naval sustainment (think maintenance, repair, and modernization) is Job One for our public/private shipyards and air depots, according to OPNAV leadership.

- Three years ago, DON SBIR/STTR worked closely with the Naval Air Warfare Center (NAWC), Cherry Point, NC, and Penn State's ARL, to prove a Pentagon hypothesis about rapid fielding. Coldspray technology in our SBIR/STTR inventory was just what the doctor ordered – both for rapid fielding, and for cost reduction. We've expanded that air sustainment footprint to include industry (Lockheed Aero) as we look at F-35 sustainment, and sharing best practices with the Air Force Sustainment Command.

- Today, we're taking that same agility and deep innovation bench to Naval shipyards, such as Puget Sound Naval Shipyard and Intermediate Maintenance Facility in Bremerton, WA, as they embrace innovation to help ensure a 355-ship fleet; and, private shipyards, such as Huntington Ingalls in Newport News, VA, as they contemplate using SBIR/STTR to strengthen small businesses in their sustainment supply chains.

- For Congressionally-authorized programs such as SBIR/STTR, legislators need facts on the taxpayers' investment – on how



Bob Smith, Director DON SBIR/STTR, meets with an attendee at 2018 FST

SBIR/STTR awards translate into jobs, wages, regional economic stimulus, contributions to local, state, national tax bases, and overall economic impact – in addition to what you do for, and with, American warfighters. Our beautiful eight-page summary, “Defense Innovation for the Warfighter, Commercial Innovation for the Nation,” has become a keystone SBIR/STTR summary – for Congress, and for the country.

So, yes, I'd say that the Naval SBIR/STTR Program has been successfully practicing what Naval leadership is preaching about strategic change, about delivering innovation faster and cheaper. But, I'll hasten to add: you ain't seen nothing yet – improvement is our game! Together, we will continue to make a great program even better.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert L. Smith".

Robert L. Smith
Director DON SBIR/STTR



2018 FST Exceeds Expectations

By Edward Lundquist

The 2018 Forum for SBIR/STTR Transition (FST) was by every measure a success, with higher attendance and greater participation than in previous years.

The FST had more than 1,000 registered attendees, and more than double that number registered for the Sea Air & Space (SAS) Expo and attended the FST. In an effort to meet with small companies, SYSCOM representatives and Primes scheduled 220 networking meetings, and nearly 100 one-on-one meetings. Five FST panels attracted a total of 505 attendees, and 112 Tech Talk presentations attracted 655 attendees.

The FST is, first and foremost, a value for SBIR Phase II companies participating in the SBIR/STTR Transition Program (STP). According to Bob Smith, the Department of the Navy SBIR/STTR Program Manager, other companies considering submitting an SBIR proposal for a Phase I award, or Phase I awardees who are looking ahead to the next steps, can also benefit.

“If you’ve just received your first Phase I award, you can get a feel for what is to come, especially if you are local and you don’t have to make a significant effort to attend. It’s a great way to start learning about the Navy, what it does, and what it needs. It never hurts to start figuring out how you can collaborate with other companies; because, they’re not your competition—they’re part of the family.”

Smith said the FST is a great time to meet and connect. “Whether it’s planned or just a chance meeting, two people

can connect and discover that there’s value in working together. All we’re doing is structuring the opportunity for connections. This is a continual drumbeat. It doesn’t happen all at once. It has to be a continual effort to keep building relationships.”

“The FST allows exhibiting companies to explore where else can their technology land, and how can they modify or adapt it for other uses,” he said, “and if it can reach more than one customer.”

Being co-located with the Navy League’s SAS event “heightens the serendipitous connections,” Smith said. “The small companies had the opportunity to go down to the Sea-Air-Space exhibition hall and see the big, eye-watering systems. But, the energy you get up in the FST exhibition hall



Networking at the 2018 FST

lightens the heart to see the great people working on making the Navy and Marine Corps even better in the years to come. We have people from the big primes come up to the FST and are amazed and tell us that they had no idea about the program and how much valuable technology is being developed,” Smith said. “So we all need to continually work to let people know what’s available.”

FST EXCEEDS EXPECTATIONS... continued

New cohort

Smith informed the new cohort of SBIR Phase II companies that will be taking part in this year's STP that the program will help them meet the challenges, not of how to grow their technology; but, how to grow their company. "We don't give them the answers, but we sure give them a whole lot of questions that they need to answer. It always comes back to the basic question: What's your plan if you are successful? You don't ask yourself that question after Phase II is complete," Smith said. "You should start asking yourself that question the moment you start your Phase II."



Trying out new technology at the 2018 FST

Systematic approach

Donna Attick, the Naval Air Systems Command SBIR/STTR Program Manager, said the 2018 FST was very successful. "I ask the small companies that have SBIRs with NAVAIR about how the STP program is working for them, and the FST specifically. What I heard consistently this year is that this was the best FST yet."

"There was good flow, and lots of high quality contact with key people--not just from the Navy systems command

that sponsored their research but also other Navy and government contacts, as well as the primes," she said.

Attick said NAVAIR takes a systematic approach to the FST. Her team offered customized VIP tours to NAVAIR executives to see the research they've sponsored, or other technology the team believes they might be interested in. "There has been an increase in the interest for these tours, and the feedback we've been getting has been very positive. They love meeting the small companies."

Attick said the companies are smart. "They do a good job of not only showcasing the technologies that got them invited to the FST, but also marketing any other SBIR funded technologies that they've developed."

The FST is a valuable opportunity to find potential partners, Attick said. "You can find other small companies, as well as OEMs and primes, to collaborate with and do complimentary work on current and future projects."

"The FST provides unique access to government and industry, and not just for the U.S., but globally, because SAS is an international show," she said. "In one shot, they will have access to people who wouldn't be available unless they went to multiple venues. Take advantage of it, and leverage it to the maximum extent you can."

Small companies find big opportunities



2018 FST Panels drew large audiences

Dr. Lynn Forester, CEO and co-founder of Quantum Semiconductor LLC in San Jose, CA, who exhibited at the FST, said the best way to take advantage of the forum is to



FST EXCEEDS EXPECTATIONS... continued

prepare for it.

The company is developing new materials and devices for image sensor products based on complementary metal-oxide semiconductors. Applications include near-photon imaging for LIDAR sensors for autonomous vehicles that will be able to operate both in the visible and infra-red spectrum.

“We had never attended the FST before and did not know what to expect. But getting ready for FST was, in itself, an excellent learning experience thanks to the STP Business Consultants (BCs). Typically, a small business like ours could not afford to hire the services of such advisors. Our BC uncovered a lot of information from other DoD entities, programs,

and potential users of our technology, that we would not have found on our own. Our BC was also a huge help in distilling and polishing ‘the message,’ so that when it was time for the FST, we were well-prepared.”

Forester said her company’s expectations were exceeded. “There was a lot of foot traffic which resulted in some great leads. We made some good contacts with other small businesses and, through attendance at several of the panel discussions about STP and the SBIR program, made new contacts and gained insights from other small businesses.”

Jack Foley of White River Technologies, based out of Newton, MA, which makes miniaturized sensing systems for anti-submarine warfare and mine countermeasures applications, also had high expectations for the FST; all of which were met or exceeded. “The Navy showed up. Almost

everyone we wanted to meet was at the meeting, and many of them came by our booth for important one-on-one conversations.”

By participating in the STP, Foley said his team was well-prepared. “The ‘coursework’ is highly relevant and refined ways that exploit STP’s knowledge of military systems, procurements, and business in general.”



RADM Hahn (second from left), Chief of Naval Research, visits FST

Chief of Naval Research, Rear Adm. David Hahn, noted that in visiting SAS and FST, it becomes apparent that, “We do not lack for ideation, creation and innovation.”

Addressing the small businesses, he said, “The question for us as a group is, how do we take advantage of what you can do, and what the SBIR and STTR set of processes has set up and made available? How do we maximize those opportunities to bring naval power to our Navy-Marine Corps team?”

“Companies are learning from the FST where technology is going, where it might go, and how to articulate their value proposition,” said Bob Smith. “It’s really paying dividends.” Everyone who went in there was just blown away by what they saw being presented. The taxpayers are really getting their money’s worth out of this Navy program.

MIKROS SYSTEMS MAINTENANCE SUPPORT SUCCESS IS WELL DOCUMENTED

By Edward Lundquist

Sailors conducting maintenance and repairs take pride in making sure things work. But the job isn't done until the paperwork is complete. That's why a Pennsylvania company is helping sailors to better plan, execute and document maintenance.

According to Henry Silcock, Chief Technology Officer for Mikros Systems Corporation in Fort Washington, PA, Mikros has created systems to both streamline the process of planned maintenance and support Condition-Based Maintenance (CBM+) for shipboard combat system elements.

"We're a pretty good SBIR success story," said Silcock. "We have received close to 30 SBIR awards, including multiple Phase II and Phase III awards."

The Navy's decades-old Preventive Maintenance System (PMS) relies on paper schedules, and maintenance record cards (MRCs) with detailed instructions on how to perform and document regular maintenance. Now Mikros has developed an IT-based systematic approach to PMS for the AEGIS Weapon System (AWS) and SPY-1 radars on Navy combatants.

"The AN/PSM-132 Adaptive Diagnostic Electronic Portable Testset (ADEPT) Maintenance Automation Workstation has everything a Sailor needs for preventative maintenance in one portable enclosure," said Silcock. "It will select and configure the appropriate instrument for an applicable test, and provide the pass-or-fail result. ADEPT provides an automated testing process that improves the accuracy, precision, and speed of AEGIS preventative maintenance. It maintains a database of all testing to provide trend or comparative analysis, and an audit trail if required."

ADEPT systems are currently deployed on all AEGIS CG and DDG platforms to support the SPY-1 radar. A planned

enhancement to provide remote support to the AEGIS MK 99 Fire Control System is being developed in collaboration with IBM, working as a subcontractor to Mikros.

This effort is a great example of how the Navy's SBIR/STTR program, working with small businesses, can bring new solutions to address longstanding and critical challenges that impact the sustainment of key systems on warfighting platforms. Mikros has already received over \$100 million in contracts as a result of its SBIR effort, and is expected to have a similar positive impact on other systems throughout the fleet.

As the system proved its value, Mikros worked with the Naval Surface Warfare Centers at Dahlgren, Crane, and Port Hueneme to extend ADEPT to support other radar variants and developed a logistics support suite for surface combatants. Through a separate SBIR, Mikros developed a Littoral Combat Ship (LCS) maintenance application by adding the AN/SYM-3 ADEPT Distance Support Sensor Suite (ADSSS).

ADSSS is a condition-based maintenance system that uses smart sensors, model-based prognostics and secure networks to implement condition-based maintenance for mission-critical complex distributed systems. The system is being installed aboard the Navy's LCS. The first product installation was completed last year, with six more scheduled over the next two years.

"There are three things required for SBIR success for Phase 1 proposals," said Silcock, "a good idea; a good story; and good prospects for follow-on work. The 'good idea' applies new or new-ish technologies to the problem. The good story explains your past experience with similar technologies. And third, your good prospects take into consideration what happens after you succeed in Phase I and your strategy for a production program in the future."



Silcock said it's vital to understand the customer context for the requirement. "Check out the Program Office and the designated contacts - you will need to get to know them."

"Try to provide something tangible at the end of Phase 1, not just a paper report; but, a working prototype or a virtual demo," he said. "This greatly increases your chances of Phase 2 funding."

For later phases, Silcock advises companies to think ahead and to keep transition in mind. "What is your end-game? Evaluate how the requirement aligns with your corporate goals - would you invest in it yourself? Get feedback from prospective users as you develop your technology. Keep production in mind, and identify sources of matching

funds. Consider non-functional requirements, such as environmental, ruggedness, and tailoring. Anticipate the plan for product support and the logistics tail, as well as, the certification and accreditation needs. Know what you will need for information assurance and meeting any classification society requirements."

While the Navy business is thriving, Silcock said Mikros is leveraging the SBIR investment to bring its technology to a broader market. "We're accelerating our transition efforts. We're developing new variants for different classes of ships and systems. And we're looking at the commercial world to see how we can apply the same concept to complex industrial systems, such as HVAC for building management, air traffic control and power utility applications."

MARINES TO SHOWCASE SBIR TECHNOLOGY AT QUANTICO

By Edward Lundquist

Jeff Kent, the SBIR program manager at the Marine Corps Systems Command (MARCORSYSCOM), said a major benefit of the FST is that the participating small businesses' principal investigators, engineers, scientists and researchers are present in one place with government engineers, acquisition professionals, and decision makers to casually converse with. But, he said, there are still many others who would benefit from seeing what the small companies offered.

Kent's team liked the FST so much that they are planning an operational demonstration at Quantico to bring the companies with Marine-related technology to a location that's closer to senior leadership at MARCORSYSCOM, the Marine Corps Warfighting Laboratory, the Marine Corps Combat Development Command, and the Marines, themselves. Quantico is about 35 miles south of the Pentagon.

"We think it would be valuable to demonstrate technology related to things like ground vehicles, combat medical systems and those kinds of technologies in an operational context," Kent said.

According to Kent, the demonstration won't be a "CONOPS experiment", but it would help Marine Corps SBIR participants see how their technology functions in a field environment, and get feedback from Marines. "It will be a great way to get some workable feedback about how this technology can help benefit the Marines and their vehicles and equipment, and it would benefit from being displayed in a realistic setting."

"It won't be a static table-top display," Kent said. "People can see it and touch it, and understand what it is and does, while the companies can visualize their technology being used by Marines in a somewhat operational environment out in the field."

"We're just looking for ways to get exposure for transition," said Kent. "Ultimately, it requires a financial commitment from the program managers."

The event, which will probably take place in the spring of 2019, will be by invitation only. Participating companies might not have exhibited at the most recent FST; but, they'll all be MARCORSYSCOM SBIR participants.

GENERAL DYNAMICS MISSION SYSTEMS MAKES TECHNOLOGY MATCHING HAPPEN

By Edward Lundquist

General Dynamics Mission systems is focused on delivering technology that enables our customers to focus on what matters most...the mission. This focus requires developing and fostering an ecosystem that keeps an eye on supplier innovation.

“The Innovation Sourcing Network (ISN) is our open supplier innovation ecosystem, where we work with current and emerging suppliers that range from small to large businesses and everything in between,” said Sheila Lucas, manager of the Supply Chain Management Innovation Sourcing Network for General Dynamics Mission Systems. “ISN is our supply chain management entry point for everyone we do, and want to do business with to help us provide technically cutting edge sourcing solutions.”

“OUR FOCUS IS ON CAPABILITIES, AND THOSE CAPABILITIES THAT SMALL BUSINESSES BRING TO GENERAL DYNAMICS, AND HOW IT MIGHT BE PART OF THE HOLISTIC SOLUTION SET FOR OUR CUSTOMERS.”

*SHEILA LUCAS
MANAGER OF THE INNOVATION SOURCING NETWORK
GENERAL DYNAMICS MISSION SYSTEMS*

Lucas said Supply Chain Management is leading a large outreach function from an early engagement perspective. “We start the conversation in a way to build a relationship between the small businesses

and us as a prime. It helps us have a vision of what a supplier or prospective supplier is bringing to the table with regards to technology.”

“Our focus is on capabilities, and those capabilities that small businesses bring to us, and how it might be part of the holistic solution set for our customers,” Lucas said.

Virtual Tech Ten Talks

“When we onboard a new supplier, or when we talk with our existing suppliers as part of our ongoing effort to stay current with them, we encourage them to participate in a Virtual Tech Ten Talk (VTTT). We record it and share it with our business development, technical and procurement teams so they can understand what the supply base is bringing in terms of capabilities, products and services,” Lucas said. “It’s a way to have an enduring conversation, and not a ‘one-and-done.’”

“It’s a win-win, not only for the small business, but also for us,” she said. “They can share with us some detailed information on what they do and how they do it. We make it easy for them to connect with us. They don’t have to travel. Our people don’t have to leave their desks. We do it all virtually.”

Lucas said her team sets up the “virtual” ten-minute sessions with their General Dynamics Mission Systems subject matter experts. “These are ‘bite-sized’ conversations that allows our technical teams a view into what the technologists’ capabilities are and determine where alignment is. Suppliers prepare slides to augment their audio. We set up the engagement using WebEx, and record the whole thing. We add the abstract that the supplier gives us, and add the key word data around



GENERAL DYNAMICS... continued

their technology area to enhance that search capacity.”

“We’re recording them, and we package it. It’s their walking-talking brochure, without having to leave their desk. That conversation can have multiple engagements with multiple people that are looking for certain technologies or capabilities,” she said.

“We share the VTTTs on our General Dynamics Mission Systems’ internal Innovation Sourcing Network channel,” Lucas said. “Our engineers can easily search to see if there is a Virtual Tech Ten Talk related to the need or technology gap that they have. They can view it at their desk and determine if there is alignment and decide what the next steps for engagement with that supplier would be.

Capturing FST Tech Talks

The recent 2018 FST served as an inspiration. “There were more than 100 Tech Talks presented at the FST. Many of the people who might be interested in those technologies might not have been able to be in the room to hear the talk. We have applied our Virtual Tech Ten Talk process to make those FST Tech Talks available to share with our technical team who might be searching for a particular capability or criteria. The presentations have already been prepared and approved by and the Navy for public distribution. We have asked those companies to record their presentations for us. They are searchable with keywords and abstracts so that technology matching happens. So, we’ve made this content readily accessible.”

Lucas said the process gives the presentations an “electronic life.” “It’s enduring now. We’ve captured it electronically and can see where that technology is going and where the alignment is for our team. Our technology teams are grateful to have this resource to

help make that first level of engagement with a potential supplier. This process has made it easy to do.”

Sharing the information across the company is systematic. “It’s built into our common process framework. We’re not asking our technical teams to do something outside the normal. We haven’t put a heavy burden or process overlay on them, but made a resource available to enable them in their work.

We’ve adapted what we’re doing to fit into their processes and behaviors. It’s not disruptive. It’s part of the regular collaboration process. We have internal mechanisms on how we share what we’re doing with our tech team, and help push it to them, so they are aware of what we have,” Lucas said. “Certainly, they can pull it if they’re searching, but we use both methodologies.”

Lucas said the virtual tech-ten talks are part of their engagement model, but are not mandatory. “Companies decide if they want to participate.”

A small company doesn’t have to be an SBIR participant. “We’re focused on the core essence of understanding a technology or capability set that anyone who wants to engage with us brings. Certainly, we work with and support SBIR participants because that’s our customer’s investment and we want to be an integral part of the transition process,” she said.

“For our small businesses, or any technology firm, or one of our current suppliers, Virtual Tech Ten talks is their conversation multiplier inside General Dynamics Mission Systems,” Lucas said. “It makes a lot of connections around our entire team--not just technical, but capture and business development where there might be teaming, partnering or even procurement opportunities.”

GENERAL DYNAMICS MISSION SYSTEMS FULLY SUPPORTS THE SBIR PROGRAM AND CONSTANTLY EVALUATES OPPORTUNITIES TO EXPAND OUTREACH WITH SBIR COMPANIES. VTTTs IS ONE EXAMPLE OF HOW WE ARE GROWING THE OPPORTUNITIES TO SHARE SBIR TECHNOLOGIES INSIDE GDMS. FOR MORE INFORMATION PLEASE VISIT OUR WEBSITE AT WWW.EDGE-INNOVATION.COM OR EMAIL US AT TECHSCOUT@GD-MS.COM.

FIRST LOOK

— a snapshot of this year's SBIR/STTR Transition Program (STP) participants
 "The following pages provide a first look at the Phase II companies that are currently enrolled in the DoN SBIR/STTR Transition Program (STP). The companies are listed in alphabetical order, under OSD Communities of Interest (Col) categories most appropriate to their technology. If you see something of interest, and want to know more, please contact the company directly.

All corporate information, and associated technology Quad Charts, Abstracts, Thumbnail Descriptions, and Company Capability Brochures for the companies listed below will be available through the Virtual Transition Marketplace (VTM) on-line database in October 2018. You can access the VTM at: <https://www.navyfst.com/vtm/>."

SBIR/STTR Transition Program (STP) Participants

Company/Topic Title	Topic #	POC	Phone	Email	
Advanced Electronics	BHTECHNOLOGY, LLC ROBUST ELECTRONICS FOR AIRCRAFT END SPEED INDICATOR	N161-014	CHAVIVA KAIN	(845) 369- 6324	CKAIN@BHESENSORS.COM
	Charles River Analytics Inc. Stealthy RF-based Alternative PNT (STRAP)	N161-002	WAYNE THORNTON	(617) 491-3474	WTHORNTON@CRA.COM
	Colorado Engineering Inc. Direct Radio Frequency Sampling (DRFS) (SPS-49)	N151-057	RICHARD BAYLEY	(719) 388-8582	RICHARD.BAYLEY@COLORADOENGINEERING.COM
	Freedom Photonics LLC Rugged, Uncooled Monolithic Analog Optical Transmitter at 1 um	N152-085	MILAN MASHANOVITCH	(805) 967-4900	MASHAN@FREEDOMPHOTONICS.COM
	Freedom Photonics LLC Multi-Wavelength and Built-in Test Capable Local Area Network Node Packaging	N152-090	MILAN MASHANOVITCH	(805) 967-4900	MASHAN@FREEDOMPHOTONICS.COM
	Freedom Photonics LLC Integrated Analog to Feature Converter	N162-082	MILAN MASHANOVITCH	(805) 967-4900	MASHAN@FREEDOMPHOTONICS.COM
	GIRD Systems, Inc. Precise Positioning with Local Signal Carrier Phase Measurements and Global Positioning System (GPS) Fusion	N14A-T009	DAVID MALDONADO	(513) 281-2900 x110	DMALDONADO@GIRDSYSTEMS.COM
	HYPRES, Inc. Wideband RF Digitizer with Integrated Filter	N142-118	MIKE DEZEGO	(914) 592-1190 x7794	MDEZEGO@HYPRES.COM
	Intelligent Automation, Inc. Thermal Stress Analysis in Protective Equipment (TSAPE)	N143-126	DEV TOLANI	(301) 294-4630	DTOLANI@I-A-I.COM
	Intelligent Fiber Optic Systems Corporation Multiplexed Fiber Optic Sensor System for SHM of Ships: Integration & Validation	N101-095	RICHARD BLACK	(408) 565-9000	RJB@IFOS.COM
	JEM Engineering, LLC Synthesis and Realization of Broadband Magnetic Flux Channel Antennas	N152-081	DAVID AUCLAND	(301) 317-1070	DAUCLAND@JEMENGINEERING.COM
	Kyma Technologies, Inc. Low-Cost Gallium Nitride (GaN) on Diamond Semiconductors for Microwave Power Amplifiers	N151-046	KEITH EVANS	(919) 280-6331	EVANS@KYMATECH.COM
	LightSpin Technologies, Inc. Ultra scaling of SPAD arrays for high-speed laser ranging	N15A-T011	ERIC HARMON PH. D.	(508) 930-4198	HARMON@LIGHTSPINTECH.COM
	Mayachitra, Inc. Foveated Video Object Recognition	N14A-T008	ELLIOT STAUDT	(805) 967-9828	STAUDT@MAYACHITRA.COM
	Mayachitra, Inc. Image Correspondence Figure of Merit (FOM)	N161-013	ELLIOT STAUDT	(805) 967-9828	STAUDT@MAYACHITRA.COM
	Metamagnetics, Inc. Ferrite-Based Frequency Selective Limiter and Signal-to-Noise Enhancer for Interference Protection and Prevention in UHF SATCOM	N152-123	SCOTT GILLETTE PH. D.	(781) 562-0756	SGILLETTE@MTMGX.COM
	Modern Microsystems Low-Cost Gallium Nitride (GaN) on Diamond Semiconductors for Microwave Power Amplifiers	N151-046	CRAIG McGRAY	(301) 356-2945	CRAIG@MODERNMICROSYSTEMS.COM
	nGimat, LLC Reliable Manufacturing of Scandia-doped Tungsten Powders for Thermionic Cathodes	N15A-T010	BRIAN MACKEY	(859) 259-3637	BMACKEY@NGIMAT.COM
	Nuvotronics Efficient, Low-Loss Combiner Technology for Affordable Transmit and Receive Module Manufacturing	N161-031	RICHARD CURTIS	(336) 848-5785	RCURTIS@NUVOTRONICS.COM
	Optimax Systems, Inc Metrology of Visibly Transparent Large Aspheric Optics	N152-106	MATTHEW BRUNELLE	(585) 265-1020	MBRUNELLE@OPTIMAXSI.COM
Optimax Systems, Inc Manufacturing of Visibly Transparent Large Conformal Windows	N152-107	MATTHEW BRUNELLE	(585) 267-1020	MBRUNELLE@OPTIMAXSI.COM	
OptiPro Systems LLC Manufacturing of Visibly Transparent Large Conformal Windows	N152-107	PATRICK BECHTOLD	(585) 265-0160	PBECHTOLD@OPTIPRO.COM	
Photonic Systems, Inc. Radio Frequency over Fiber (RFoF) for the Next Generation Submarine Electronic Warfare (EW) System	N161-034	DOUG DILLON	(978) 670-4990 x231	DDILLON@PHOTONICSINC.COM	
Physical Optics Corporation Ferroelectric Resonator Oscillator	N152-112	ALBERT CARDONA	(310) 320-3088	ACARDONA@POC.COM	
Polaris Sensor Technologies, Inc. Short-Wave Polarimetric Imager	N161-057	DR. AMY KRANSTEUBER	(256) 562-0087	AMY.KRANSTEUBER@POLARISSENSOR.COM	
QorTek, Inc. High Voltage Antenna Protection for Hand-held and Man-pack Radios	N153-126	GREGORY BOWER	(570) 322-2700	GBOWER@QORTEK.COM	
SA Photonics, Inc. Novel CubeSat Payloads for Naval Space Missions	N122-146	DAVID CUSHMAN	(408) 560-3500 x116	D.CUSHMAN@SAPHOTONICS.COM	



	Company/Topic Title	Topic #		Phone	Email
Advanced Electronics	SA Photonics, Inc. SOCRATES™ Maritime Multi-access Optical Communication System	N16A-T024	DAVID CUSHMAN	(408) 560-3500 x116	D.CUSHMAN@SAPHOTONICS.COM
	Sonolysts, Inc. Digital Early Warning Receiver (EWR) for the Next Generation Submarine Electronic Warfare (EW)	N161-025	ADAM RALSTON	(860) 326-3644	ARALSTON@SONALYSTS.COM
	Teqnovations, LLC Modular, Polarization-Preserving, 40-200 GHz, Active, Electronically Steered Array (AESAs) Focal-Plane + Reflector Antenna for Next-Generation, Space-borne Radiometer	N151-076	TOM LINNENBRINK	(719) 235-7327	TOML@TEQNOVATIONS.COM
	Vacuum Process Engineering, Inc. Nanocomposite Scandate Tungsten Powder for High Current Density and Long Life Thermionic Cathodes	N15A-T010	COLIN McELROY	(916) 696-7255	COLINM@VPEI.COM
	Vulcan Wireless Inc. Bandwidth Efficient SATCOM Waveform Techniques	AF083-193	KEVIN LYNNAUGH	(760) 602-0606	KLYNAUGH@VULCANWIRELESS.COM
Air Platforms	Area I, Inc Integration of ALTIUS-ASW Avionics Architecture into USVs Enabling Heterogeneous Manned-Unmanned Teaming (MUM-T)	N141-014	Chris Sandwich	(678) 594-5227	csandwich@aerai.aero
	CAMX Power LLC Non-Contact Torque Sensor for Unmodified Composite Shafts and Non-Ferrous Metal Shafts	N162-097	Brian Fredriksson	(781) 879-1757	Fredriksson.Brian@TIAXLLC.com
	Continuum Dynamics, Inc. Advanced Wake Turbulence Modeling for Naval CFD Applications	N15A-T002	Glen Whitehouse	(609) 538-0444	glen@continuum-dynamics.com
	Kennon Products, Inc. Anti-Ballistic Cabin Liner System for V-22	N06-016	Kelly Brennan Ph. D.	(307) 674-6498	kelly@kennoncovers.com
	Metis Design Corporation Damage Detection in Complex Fastened Joints	N161-009	Seth Kessler Ph. D.	(617) 447-2172	skessler@metisdesign.com
	Prime Photonics, LC Turbomachinery Distortion Characterization by Non-intrusive Measurement Methods	N161-011	Melissa Natwick	(540) 808-4722	melissa.natwick@primephotonics.com
	Real-Time Innovations DDS System Designer and Emulator	N111-054	Joe Schlesselman	(919) 597-9386	joe@rti.com
	Redondo Optics, Inc. Integrated Hybrid Structural Health Monitoring (SHM) System	N162-100	Edgar Mendoza	(310) 292-7673	emendoza@redondooptics.com
	Scientific Application & Research Assoc., Inc. Small Non-Cooperative Collision Avoidance Systems Suited to Small Tactical Unmanned Systems	N151-026	Jesse Klang	(719) 302-3117 x330	sklang@sara.com
	SubUAS LLC Multirotor Unmanned Air / Underwater Vehicle for Explosive Ordnance Disposal (EOD) and Mine Countermeasures (MCM)	N16A-T025	Marco Maia	(908) 370-9188	marco@thenaviator.com
	Systems Technology, Inc. Intuitive, High Confidence Human-Machine Interface Symbolology for Carrier Landing	N161-056	David Klyde	(310) 679-2281	dklyde@systemstech.com
	Texas Research Institute Austin, Inc. Efficient On-Aircraft Composite Repair Process Requiring Minimal Support Equipment	N161-017	Vince Newton	(703) 944-4763	vnewton@tri-austin.com
Autonomy	A.T.E. Solutions, Inc. Advanced High Speed Bus Technologies for Units Under Test (UUT), Test and Evaluation	N162-106	Louis Ungar	(310) 490-9237	LOUISUNGAR@IEEE.ORG
	Charles River Analytics Inc. Service-based Command and Control (C2) for the Forward Deployed Energy and Communications Outpost (C2-FDECO)	N091-082	Drew Houston	(617) 491-3474 x609	DHOUSTEN@CRA.COM
	Innovative Defense Technologies. Automated Verification and Validation for Distributed Testing	N161-043	Matt Cavanaugh	(703) 807-0055	MCAVANAUGH@IDTUS.COM
	ObjectSecurity LLC Supply Chain Risk Analysis & Management System (SCRAMS)	N163-D02	Dr. Ulrich Lang	(650) 515-3391	ULRICH.LANG@OBJECTSECURITY.COM
	Vigilant Cyber Systems, Inc. Develop a Methodology for Cyber-Electronic Warfare Battle Damage Assessment (BDA) using Game Theory	N141-078	Dustin Heath	(336) 769-6600	dheath@vigilantsys.com
Battle-space Environments	Charles River Analytics Inc. Smart Weather InstruMentS (SWIMS)	N162-133	Arjuna Balasuriya	(617) 491-3474	abalasuriya@cra.com
Biomedical (ASBREM)	CFD Research Corporation Inertial Microfluidics-based Platform for Portable Platelet Apheresis	N161-064	Ketan Bhatt	(256) 726-4908	ketan.bhatt@cfdrcc.com
	Triton Systems, Inc. Low Power Water Purification System	N153-127	Chuck Hannon	(978) 250-4200	channon@tritonsys.com
Command, Control, Communications, Computers, and Intelligence (C4I)	Adventium Enterprises, LLC State Linked Interface Compliance Engine for Data (SLICED)	N162-101	Rob Edman	(412) 259-3116	rob.edman@adventiumlabs.com
	Bevilacqua Research Corporation Command and Control of Multiple Unmanned Air Vehicles in Anti-Access Area-Denial or Highly Limited Communication Bandwidth Environment	N151-020	Rowlan Bevan	(850) 499-0298	rowlanb@brc2.com
	Charles River Analytics Inc. Intuitive User Interfaces for Task-Tailored Planning (INTUIT)	N141-019	Amanda Ashdown	(617) 491-3474	aashdown@cra.com
	Charles River Analytics Inc. Grammars for Graph-based Assessment of Mission Readiness (GRAMR)	N15A-T017	Terry Patten	(617) 491-3474	tpatten@cra.com
	Daniel H. Wagner Associates, Inc. Dynamic Minefield Operation (DMO)	N151-071	W. Monach	(757) 727-7700	reynolds@va.wagner.com

	Company/Topic Title	Topic #	POC	Phone	Email
Command, Control, Communications, Computers, and Intelligence (C4I)	Daniel H. Wagner Associates, Inc. Collaborative Airborne Anti-Submarine Warfare (ASW) Mission Evaluation and Optimization (CAMEO)	N161-015	Carl Mauro	(703) 938-2032	mauro@va.wagner.com
	DECISIVE ANALYTICS Corporation Building Open-domain Semantic Search (BOSS)	AF141-054	James Nolan	(703) 414-5002	jim.nolan@dac.us
	Fuse Integration, Inc. Technologies/Methods for enabling Transactional Interfaces	N121-106	Rebecca Unetic	(952) 994-3323	rebecca.unetic@fuseintegration.com
	JPanalytics LLC The Modular Clandestine Communications System (MCCS)	N161-068	James Preisig	(508) 566-0236	jpreisig@jpanalytics.com
	Kord Technologies, Inc. Vortex Preserving and Consistent Large Eddy Simulations for Naval Applications	N15A-T002	Bono Wasistho	(256) 763-6500	bono.wasistho@kordtechnologies.com
	Scalable Network Technologies, Inc. Application Traffic Injection into Live Virtual Constructive Link-16 Models	N08-225	Jeff Hoyle	(858) 750-5008	jhoyle@scalable-networks.com
	SimVentions, Inc. Modeling the Impact of Technology Transition on Ship Operational Capabilities	N05-053	Brad Neal	(540) 372-7727	bneal@simventions.com
	STILMAN Advanced Strategies RAID Technology Innovative Research, Predictive and Causal Modeling for NAVSEA	N03-202	Jerry Speer	(303) 809-0205	jerry.speer@stilman-strategies.com
	Tactical Edge In-Transit Visibility Module for Lifts of Opportunity Program (LOOP) & Transportation Exploitation Tool (TET)	N152-122	Paul Danckaert	(410) 382-0443	paul.danckaert@tacticaledge.us
	Toyon Research Corp. Maritime Traffic Model Aided Tracking	N161-004	Robert Wilkerson	(805) 968-6787	rwilkerson@toyon.com
Cyber	BlueRISC Retrofitting Code into Embedded Binaries	N161-070	Kristopher Carver	(408) 328-8303	kris@bluerisc.com
	Intelligent Automation, Inc. Binary code Randomization for Attack Sensitive Software (BRASS)	N152-120	Gregory Briskin	(301) 294-4755	gbriskin@i-a-i.com
	Star Lab Warden: Cyber Threat Anomaly Detection for Combat Systems	N162-115	Adam Fraser	(210) 542-0777	adam@starlab.io
Electronic Warfare (EW)	Bodkin Design & Engineering, LLC Coastal Battlefield Reconnaissance and Analysis (COBRA) Multi-Spectral Illuminator	N151-053	Barbara Darnell	(617) 795-1968 x308	barbara.darnell@bodkindesign.com
	QuickFlex, Inc. FlexDuo - An FPGA Accelerated, Flexible Execution Mission Processing	N152-096	Sally Draper	(210) 824-2348	sdraper@quickflex.com
	SA Photonics, Inc. Affordable Compact HPRF/HPM Attack Warning System	N152-116	David Cushman	(408) 560-3500 x116	d.cushman@saphotonics.com
	ThermAvant Technologies, LLC Advanced Heat Spreader Technology for Gallium Nitride (GaN) Monolithic Microwave Integrated Circuits (MMICs)	N161-052	Corey Wilson	(573) 397-6912	corey.wilson@thermavant.com
	White River Technologies Low Size, Weight, Power, and Cost (SWAP-C) Magnetic Anomaly Detection (MAD) System	N152-117	Jack Foley	(781) 566-0013	foley@whiterivertech.com
Energy and Power	Altex Technologies Corporation Improved Softwall Shelter Heating System	N151-001	Mehdi Namazian	(408) 328-8303	mehdi@altextech.com
	Bettergy Corp. A Safe High Energy Density Power Source for Undersea Applications	N161-030	Guy Longobardo	(914) 290-6293	galongbardo@bettergy.com
	Continuous Solutions LLC Medium Voltage Direct Current (MVDC) Grounding System	N16A-T012	Nyah Zarate	(971) 280-7008	nyahzarate@continuousolutions.com
	Creare LLC Plasma Gasification System for Waste-to-Energy Conversion	N152-097	Paul Movizzo	(603) 640-2539	PGMovizzo@creare.com
	eM-TECH, Inc Ultra-High Temperature Thermoelectrics	N151-068	Paul Czubarow	(781) 234-4655	paul@em-tech.us
	GeneSIC Semiconductor Inc. Robust SiC MOSFET based Power Modules	N161-066	Ranbir Singh	(703) 996-8200	ranbir.singh@genesicsemi.com
	K2 Energy Solutions, Inc. Enhanced Cell Designs for Improved Internal Heat Transfer for High Rate and Power Capable, Large-Format Batteries	N151-073	James Hodge	(702) 478-3601	jim.hodge@k2battery.com
	METSS Corporation High Voltage Antenna Protection for Hand-held and Man-pack Radios	N153-126	Brian Collett	(614) 797-2200	bcollett@metss.com
	Midé Technology Corporation BISCEP (Biomass Incinerating Stirling Cycle Energy Producer)	N153-124	Richard Orlando	(781) 306-0609	rorlando@midé.com
	Paragon Space Development Corporation Cooled BusWork for Shipboard Distribution and Energy Storage	N152-099	Thomas Cognata	(520) 903-1000	tcognata@paragonsdc.com
	PC Krause and Associates, Inc. High Density, High Efficiency Electrical Power Generation	N103-207	Eric Walters	(765) 464-8997	Walters@pcka.com
	Physical Sciences Inc. High Energy, Long Life Cells for On-Board Sensors	N151-048	Christopher Lang	(978) 689-0003	lang@psicorp.com



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Energy and Power	San Diego Composites, Inc. Ultra High Density Carbon Nanotube (CNT) Based Flywheel Energy Storage for Shipboard Pulse Load Operation	N152-118	Jeremy Senne	(858) 751-0450	jsenne@sdcomposites.com
	Wecoso LLC Ultra-Lightweight Expeditionary Power System (U-LEPS)	N153-129	Cassie Kirkconnell	(714) 222-0424	cassie@wecoso.com
	Windlift Man Portable Wind Energy System	N153-129	Robert Creighton	(919) 475-3955	rob@windlift.com
Engineered Resilient	Global Engineering and Materials, Inc. Novel Isogeometric Analysis Based Automation of High-Fidelity Finite Element Analysis Model Creation from Computer Aided Design	N151-009	Jim Lua	(609) 356-5115	jlua@gem-innovation.com
	Global Engineering Research and Technologies Novel Method to Utilize Multi-scale Physics-based Technique for Crack Path Determination in Fiber-reinforced Composites	N161-010	Ibrahim Guven	(520) 499-2791	iguven@gertechnologies.com
	Great Lakes Sound & Vibration, Inc. Amphibious Combat Vehicle Ramp Interface Modular Buoyant Kit (MBK) for Joint High Speed Vessel (JHSV) Stern Ramp	N152-101	Steven Tarnowski	(906) 482-7535	stevet@glsv.com
Ground and Sea Platforms	Triton Systems, Inc. Shipboard Additive Manufacturing (AM)/3D Printing	N161-038	John Blum	(978) 856-4154	jblum@tritonsystems.com
	(ES3) Engineering & Software System Solution, Inc. Landing Gear Structural Health Prognostic/Diagnostic System	N121-043	Chad Forrest	(801) 663-6840	chad.forrest@es3inc.com
	Boston Engineering Corporation OHIO Class External Hull Antifouling	N161-044	Mark Smithers	(781) 466-8010	msmithers@boston-engineering.com
	Maritime Applied Physics Corporation Airdroppable High Speed, Low Signature Craft	N04-044	Elizabeth Hines	(443) 524-3330	ehines@mapcorp.com
	Pacific Engineering, Inc Adaptable Universal Composite Canister for Virginia Payload Modules	N141-041	Dexter Myers	(626) 379-2282	dexter.myers@pacificengineeringinc.com
	SA Photonics, Inc. Shipboard Cabling using Rugged Wavelength Division Multiplexing	N161-029	David Cushman	(408) 560-3500 x116	d.cushman@saphotonics.com
	SeaLandAire Technologies, Inc. Mid Frequency Active Sonobuoy	N161-001	Jenna Jarvis	(517) 784-8340 x156	jjarvis@sealandaire.com
	Technology Service Corporation Advanced High Speed Bus Technologies for Units Under Test (UUT), Test and Evaluation	N162-106	Mike Kramme	(812) 447-9023	mike.kramme@tsc.com
	Adaptive Immersion Technologies Sustained Attention Training in Unmanned & Remote Navigation (SATURN)	N162-090	Phillip Mangos	(727) 692-4880	phillip.mangos@adaptiveimmersion.com
	Human Systems	Charles River Analytics Inc. System for Group Learning and Optimization of Collaborative Workflows (GLOW)	N162-131	Lenny Eusebi	(617) 491-3474 x735
Lynntech, Inc. Compact, Logistics Free Electrochemical Reduced Oxygen Breathing Device		N132-093	Brian Hennings	(979) 764-2234	Brian.Hennings@lynntech.com
Propel LLC Electrically Functional Garment Systems: Developing a Smart Integrated Uniform Prototype Garment		N143-127	Clare King	(401) 722-4491	cking@propel-llc.com
SAFE, Inc. Multi-Axis Vibration Mitigation and Habitability Improvement for Seated Occupants		N101-026	Bob Gansman	(480) 820-2032	bob.gansman@safeinc.us
Tier 1 Performance Solutions, LLC ATTICUS: Attentional Trainer To Improve Control of Unmanned Systems		N162-090	Angelia Sebok	(720) 699-1509	a.sebok@tier1performance.com
Triton Systems, Inc. Dive Helmet Communication System		N152-110	Jeffrey Gilbert	(978) 250-4200	jgilbert@tritonsys.com
Triton Systems, Inc. True Awareness Hearing Protector		N163-D01	Jeffrey Gilbert	(978) 250-4200	jgilbert@tritonsys.com
Applied Optimization, Inc. In Situ, Nondestructive Inspection During Additive Manufacturing of Metallic Parts		N15A-T008	Ben Schultheis	(937) 431-5100 x303	ben.schultheis@appliedo.com
Applied Optimization, Inc. Additive Manufacturing Development of Naval Platform Heat Exchangers		N161-071	Ben Schultheis	(937) 431-5100 x303	ben.schultheis@appliedo.com
Boston Micromachines Corporation Large Aperture Micro-Electro-Mechanical Modulating Retro-Reflector Development		A06-T005	Paul A. Bierden	(617) 868-4178	pab@bostonmicromachines.com
Materials & Manufacturing Processes	CeraNova Corporation Manufacturing Near-Net-Shape Conformal Electro-optic Sensor Window Blanks from Spinel	N152-104	MarAAina Pascucci	(508) 460-0300	mpascucci@ceranova.com
	Directed Vapor Technologies International, Inc. Development of Marinized Protective Coatings for Higher Temperature Operations of Marine Gas Turbine Engines	N151-070	Matthew Terry	(434) 977-1405	matt.terry@directedvapor.com
	Interphase Materials Inc. Guided Missile Submarine SSGN Seawater System Antifouling	N161-041	Rachel Rajcsok	(412) 387-9000	rrajcsok@interphasematerials.com
	Keystone Synergistic Enterprises, Inc. Real-Time Additive Manufacturing Process Models Applied to Wire Fed Electron Beam Processed 4340 Steel	N15A-T007	Steve Tidwell	(713) 392-2605	steve.tidwell@advancedcoreconcepts.com
	Materials Sciences Corporation Sinking Hose System for Amphibious Bulk Liquid Transfer System (ABLTS)	N161-023	Mike Orlet	(215) 542-8400	orlet@materials-sciences.com

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Materials / Processes For Survivability & Life Extension	METSS Corporation Synthetic External Hydraulic (HEX) Fluid (2075-S) for Submarine Applications	N04-160	Brian Collett	(614) 797-2200	bcollett@metss.com	
	ReliaCoat Technologies, LLC Thermal Barrier Coatings for Long Life in Marine Gas Turbine Engines	N16A-T019	Salvatore Marino	(631) 739-8818 x8	salvatore.marino@reliacoat.com	
	Sciaky Inc. Affordable Manufacturing of Refractory Metal Components	N142-125	Robert Salo	(708) 496-6182	rsalo.sciaky@psi-corp.com	
	Sentient Science Corporation Reliability Centered Additive Manufacturing Design Framework	N152-109	Melissa McReynolds	(716) 239-8215	mmcreynolds@sentienscience.com	
	Touchstone Research Laboratory, Ltd. Metal Matrix Composite Axial Propulsion Missile Components	MDA05-068	Brian Gordon	(304) 547-5800	blg@trl.com	
	Touchstone Research Laboratory, Ltd. Fiber Reinforced Aluminum Crack Repair for Aluminum Structures	N161-069	Brian Gordon	(304) 547-5800	blg@trl.com	
	(ES3) Engineering & Software System Solution, Inc. Dimensional Restoration of Aircraft Components Damaged by Corrosion	AF131-190	Jay Randolph	(478) 298-8402	jay.randolph@es3inc.com	
	JENTEK Sensors, Inc. Enhanced Eddy Current Nondestructive Inspection Capability for Corrosion and Crack Detection of Aerospace Structures	N06-020	Neil Goldfine	(617) 901-2462	neil.goldfine@jentekensors.com	
	Luna Innovations Incorporated Single Vacuum Bag Process for Rapid, On-Site Repair of Composites	N161-017	Daniel Metrey	(540) 961-4509	metreyd@lunainc.com	
	Lynntech, Inc. Advanced Textile Manufacturing Utilizing 3D Printing	N143-128	John Stocker	(979) 764-2226	John.Stocker@lynntech.com	
	Materials Research & Design Ceramic-Metal Joining for Hypersonic Vehicle and Missile Components	N161-046	Evan Oconnor	(610) 964-9000	evan.oconnor@m-r-d.com	
	Nevada Composites, Inc. Reduced Cost, Repeatable, Improved Property Washout Tooling for Composite Fabrication	N16A-T015	John Crowley	(775) 246-5999	jcrowley@nevadacomposites.com	
	TDA Research, Inc. Ignition Composition with Low Moisture Susceptibility	N151-025	Girish Srinivas	(303) 940-2321	gsrinivas@tda.com	
	Triton Systems, Inc. Light-weight Vehicle Exhaust System for Amphibious Vehicles	N151-002	Arthur Gavrin	(978) 856-4141	agavrin@tritonsystems.com	
	UES, Inc. High Temperature, High Performance Wire Insulation (17-RD-964)	N162-088	Paul Hauwiler	(937) 426-6900 x175	phauwiler@ues.com	
	Modeling & Sim Tech Sensors	Sonalysts, Inc. Air Anti-Submarine Warfare Modeling and Simulation Tool	N101-004	Michael Giannelli	(860) 326-3763	giannelli@sonalysts.com
Acellent Technologies, Inc. Integrated Hybrid Structural Health Monitoring (SHM) System		N162-100	Jeffrey Bergman	(408) 745-1188	jeffb@acellent.com	
ARIa Doppler-Clutter-Mitigation Processing		N151-034	Blake Teres	(202) 629-9716	blake.h.teres@ariacoustics.com	
Hyperion Technology Group, Inc. Ad-Hoc Ground Based Counter-Fire System		N142-086	Derek Schulte	(601) 480-7891	dschulte@hyperiontg.com	
Innoveering, LLC Non-Invasive Measurement of Fluid/Gas Characteristics in Harsh Environments		N153-131	David Mrocza	(631) 620-2431	David.Mrocza@Innoveering.net	
Intelligent Automation, Inc. Cognitive Ultra-Low Power Sensor System (CUPSS)		N11A-T021	Lee Brindel	(240) 750-7036	lbrindel@i-a-i.com	
Scientific Solutions, Inc. Multistatic Operationally Distributed Sonar System (MODSS) Capability Demonstration		N152-113	Jay Lustig	(603) 880-3784	jlustig@scisol.com	
TIPD, L.L.C. Improved Volume Hologram Optical Elements		N162-103	Lloyd LaComb	(520) 622-0804	lacom@tipdllc.com	
VIP Sensors Deep Fiber Optic Vector Sensor Array		N151-011	Alexis Karolys	(949) 429-3558	alex@vipsensors.com	
Weapons Technologies		Physical Optics Corporation Submarine-Deployable Weather Sensor	N151-038	Jeffrey Norell	(310) 320-1827	jnorell@intellisenseinc.com
		Forward Photonics LLC Ultra-High Brightness Mid-Infrared Laser Beam Fiber Combiner for Infrared Counter-Measures Applications	N112-089	Robin Huang	(978) 224-5488	robinhuang@forwardphotonics.com
Space		Forward Photonics LLC Compact Air-cooled Laser Modulate-able Source (CALMS)	N152-121	Robin Huang	(978) 224-5489	robinhuang@forwardphotonics.com
	Systems Technology, Inc. Pseudospectral Optimal Control for Flight Trajectory Optimization	N15A-T006	P. Chase Schulze	(310) 679-2281	cschulze@systemstech.com	



UPCOMING EVENTS

Sept. 12-13	7th Military Tactical Communications Summit http://tacticalcommunications.dsigroup.org	Alexandria, VA
Sept. 17-20	Fleet Maintenance & Modernization Symposium (FMMS) http://www.navalengineers.org/Symposia/FMMS-2018	Virginia Beach, VA
Sept. 17-19	2018 Joint Undersea Warfare Technology Fall Conference http://www.ndia.org/events/2018/9/17/joint-undersea-warfare-technology-fall-conference	Groton, CT
Sept. 17-19	AFA Air, Space, and Cyber Conference 2018 https://www.afa.org/airspacecyber/home	National Harbor, MD
Sept. 25-27	Modern Day Marine 2018 https://www.marinemilitaryexpos.com/modern-day-marine/home	Quantico, VA
Oct. 8-10	2018 AUSA Annual Meeting and Exposition http://ausameetings.org/2018annualmeeting/	Washington, DC
Oct. 23-25	SBIR/STTR Fall Innovation Summit 2018 https://events.techconnect.org/DTCFall/sbir.html	Tampa, FL
Oct. 29-31	MILCOM 2018 https://events.afcea.org/MILCOM18/Public/enter.aspx	Los Angeles, CA
Nov. 7-8	Innovation and Opportunity Conference: Advancing Aerospace and Defense http://bit.ly/denveraerospace	Denver, CO
Nov. 7-8	Naval Submarine League Annual Symposium and Industry Update https://www.navalsubleague.org/events/annual-symposium/	Arlington, VA
Nov. 26-29	Aircraft Structural Integrity Program (ASIP) 2018 http://www.asipcon.com	Jacksonville, FL
Dec. 5-6	Combat Systems Symposium http://www.navalengineers.org/Symposia/Combat-Systems-Symposium-2018	Washington Navy Yard
Jan. 7-11	AIAA SciTech Forum https://scitech.aiaa.org/?_ga=2.147556851.516771248.1531829896-1863450765.1510246899	San Diego, CA
Feb. 3-5	2019 Tactical Wheeled Vehicles Conference http://www.ndia.org/events/2019/2/3/tactical-wheeled-vehicles-conference	Monterey, CA



For comments/questions about this newsletter, send e-mail to: NavySTP@atsicorp.com

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