



February 2020 Newsletter



The new year is full of opportunities for innovation and collaboration, and we are excited to continue this journey with you.

Over the past decade, this consortium and its members have helped spur rapid and effective prototyping for the Department of Defense. This has become a critical pathway by which the private sector, academia and the government come together to tackle tough challenges and develop cutting-edge solutions for our men and women in uniform. It has also significantly strengthened the capacity of our industrial base.

Looking forward, we will work with the executive committee and the membership to continue to educate all of our government and industry stakeholders about the value of the consortium-based OTA model and the innovation it delivers for our warfighters.

Thank you for engagement, we look forward to working with you on another successful year.

*Sincerely,
Charlie Zisette
Executive Director*

#ICYMI -- In Case You Missed It

Here are some industry articles worth a quick read:

- [The Air Force Wants Next-Generation Hypersonic Weapons by 2040](#)
Kris Osborn, for The National Interest, January 25, 2020
- [Army chief says to expect fewer program cuts in 2021 budget](#)
Lauren C. Williams for FCW, January 16, 2020

- [The US Wants to Intimidate China with Hypersonics, Once It Solves the Physics](#)

Patrick Tucker for Defense One January 13, 2020

- [Protect Your Data Or Lose DoD Business: Maj. Gen. Murphy \(EXCLUSIVE\)](#)

Sydney Freedberg for Breaking Defense, December 16, 2019

- [A Win-Win Contracting Tool for the Pentagon and the Private Sector](#)

Maiya Clark for The Daily Signal, December 30, 2019

Welcome to the Newest NAC Members

The NAC is proud of the steady growth of members who share our mission and passion to prepare the warfighter for the future.

Welcome the latest round of new members from January:

- [Dillon Aero](#)
- [CatalystE, LLC](#)
- [Evans Capacitor Company](#)
- [Wittenstein Aerospace & Simulation, Inc](#)
- [Kratos RT Logic, Inc.](#)
- [CUBRC, Inc.](#)
- [FD Software Enterprises](#)
- [Taylor Devices, Inc](#)

What's Happening

The NAC leadership team exhibited at the 2020 Air Force Contracting Summit, January 30-31 in Destin, Florida. The purpose of the Summit was to educate businesses nationwide about the mission and contracting priorities of the U.S. Air Force, to identify the best innovative defense solutions from industry, to explain contracting procedures for small businesses, to connect businesses with federal contracting resources, and to help prime contractors identify new subcontractors.

The NAC leadership team had a fantastic time contributing to the event by speaking with those intrigued by the significant contributions that NAC members make to national security. It's because of the power of the network! We would love to hear about your experience if you attended and welcome any photos you have from the event!



#NACONTHEROAD

NAC TAKES ON AMTC!

February 11 - 12, 2020 | Huntsville, AL



Up Next: The AMTC 20-01 Collaboration Event down in Huntsville, Alabama on February 11 and 12. Be sure to let us know if you are coming and if you have a booth please take a picture with the NAC leadership team (*please send pictures to chris.clark@ati.org*).

Call to Action

Want to give a shout out to a fellow member company? While we pride ourselves on the process of collaboration and competition, there is remarkable and unprecedented work being done that should be shared with everyone. If someone on your team, a member of the NAC Executive Committee, or a fellow member company has done something great - we want to know. Please email (chris.clark@ati.org)

Member Spotlight



NAC is thrilled to announce the first member spotlight! This month we are highlighting one of the NAC's original members, Pennsylvania State University's Applied Research Laboratory.

Dr. Tim Eden is head of the Material Science Division in the Materials and Manufacturing

Office of the Applied Research Laboratory - Penn State University (ARL-PSU) and a professor of Engineering Science and Mechanics. ARL is a DoD designated University-Affiliated Research Center (UARC) that performs applied research in support of the DoD and DoD contractors. Core capabilities include communications, information, navigation, fluid dynamics, acoustics, materials, manufacturing and systems engineering. In addition to ARL, Penn State has a wide range of technologies that support the DoD which includes material development and characterization, manufacturing, propulsion, battery technology, autonomous vehicles and electronics. Personnel in the Material Science division have expertise in coatings, materials development and characterization,

thermomechanical processing, heat treating, metal additive manufacturing, gear technology and electronic materials.

PSU was able to use the expertise of the Materials and Manufacturing Office to support Medico Industries in a project to improve the manufacturing process for producing high fragmenting (HF) steel projectiles. The project involved modifying the composition of HF steel to improve fragmentation and reduced manufacturing costs. ARL supported composition modification, rolling, heat treating and forging trials, room temperature and high temperature materials characterization and fragmentation modeling. ARL instrumented a forging press to provide data for process control and improvement.

Please contact Dr. Eden at 814-865-5880 or tje1@psu.edu if you have any questions for would like additional information.

Member Announcements



Do you have a company or individual announcement? Please email chris.clark@ati.org to be added to the March Newsletter.