



CONNECTING THE DOTS

THE PATUXENT PARTNERSHIP 2023 ANNUAL REPORT

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Bonnie Green, TPP's Executive Director, meets with Dr. Yolanda Wilson, President of the College of Southern Maryland Maryland.



TPP and the Southern Maryland Chapter of International Council on Systems Engineering (INCOSE) Special Awards Reception honoring the Middle and High School students of the 64th St. Mary's County Science & Engineering Fair.



Jennifer Brown, TPP Workforce Development and Programs Director at the TPP Defense Summit, with Summer 23 intern cohort.



TPP donation helped fund two series of St. Mary's County Libraries Citizen Science workshops.



TPP CONNECTS THE DOTS

Our actions tell our story.

Bonnie Green, TPP Executive Director

The Patuxent Partnership is a non-profit organization that works with government, industry, and academia. We are engaged in activities from advancing science and technology to growing the STEM pipeline in Southern Maryland. We support economic development and quality of life.

We share the cultural community activities with TPP members and friends. We want everyone to know that this is a great place to live and work. There are many cultural, historical, and fun activities and this is a community that cares about each other.

Our programs, forums, and networking provide the means to exchange ideas, information, and data related to research, technology, and of course focus on Naval Aviation and topics of interest to the Navy community.

In this exquisitely connected world, it's never a question of 'critical mass.' It's always about critical connections.

Grace Lee Boggs

At any given-time TPP can be working on a dozen different projects in various stages of development. It is within this hive of multi-tasking and multi connectivity that we deliver programs that are outwardly diverse, yet highly focused on our mission to support the Navy, our member and our community. Goals that support economic development and our quality of life align with our strategic goals.

Southern Maryland is an area of immense opportunity, a community of experts. Our strength at TPP is that we see the big picture. By connecting experts and ideas, we provide an operating structure to advance technology, our STEM and education efforts, and our community engagement.

The whole is greater than the sum of its parts.

We are informed by our membership, and networking is an important part of what we do. Our collaboration between government, industry, and academia to advance education, science, technology, and technology transfer is our North Star.

TPP Connects The Dots between organizations and individuals through programs and events that strengthen our community's economic and social infrastructure. Our collaboration with academia increases STEM education, supports future engineers, physicists, and the classic sciences, and expands our workforce.

We engage elementary and middle school students in robotics and other camps. High school STEM students participate in Science Fair competitions, and the MD Junior Science and Humanities Symposium.

We work to expand our workforce.

Our Partnership Intermediary Agreement (PIA) with NAWCAD supports their mission and provides various ways to interact with the Navy and our members. We support TechBridges, the TechPort, and the Aeropark. TPP introduces new organizations to what is happening in Southern Maryland and at Pax River.

For more than a decade our Educational Partnership Agreement (EPA) with NAWCAD and St. Mary's College of Maryland (SMCM) has supported research, STEM activities, and internships, from applied physics to human factors. SMCM faculty and students are engaged with NAWCAD and the community. *We work to expand paid Internships.*

AMP/Tech Jobs Rule is an ongoing initiative with the James A. Forrest Technology Center (Forrest Center), The Strategic Education Office of NAWCAD, TPP, and some of our member companies. *We work to expand paid apprenticeships.*

The TPP Pathways Scholarship at the College of Southern Maryland supports mechanical and electrical engineering. This annual commitment will cover three full scholarships for the 2023-2024 academic year. A key scholarship requirement is that students agree to apply to the UMD Engineering programs taught here in Southern Maryland. At present most of the graduates ultimately go to work for the Navy at Pax River. *We work to increase the pipeline.*

The TPP Physics Scholarship at SMCM is of vital interest to NAWCAD. Some of the students go to work for the Navy and TPP members upon graduation.

In 2023, TPP launched **SoMD 2030 Workforce Development** with funding provided by NAWCAD. This initiative connects talented students with paid apprenticeships and internships in Southern MD, as well as supporting cyber security, aviation and other work.

The TPP weekly e-newsletter is one more way we keep our members connected, not only locally, but across the country and beyond. It has become an invaluable resource. It is an important communication tool for SoMD 2030



A Message from our EXECUTIVE DIRECTOR

*Dear TPP Members, Friends, and
Colleagues,*

Education and workforce development have become even more important for TPP in FY23. We have seen the exponential development and growth of our STEM and workforce initiatives including our engagements with the Strategic Education Office (SEO) of NAWCAD, demonstrating the value of both our Partnership Intermediary Agreement (PIA) and our Education Partnership Agreement (EPA) agreement with NAWCAD.

We are closing out a fulfilling year that included the very successful launch of SoMD 2030 with funding from NAWCAD through our PIA. (The funding was due to the efforts of the Southern Maryland Navy Alliance).

The funding expanded Tech Jobs Rule, funded a paid summer internship program and SPARK! Career Fair attended by 440 high school students



*Left : Ms. Renee Winsky Leadership MD
Ms Bonnie Green and Mr. David Fike, President Leadership MD
Right: Maj. Gen. Greg Masiello, USMC, Ms. Bonnie Green
Mr. Alan F. Estevez, Under Secretary of Commerce for Industry
and Security*

from St. Mary's, Charles and Calvert Counties, two STEM Summer Camps, support for cyber labs at CSM, and other educational outreach.

Once again, TPP was awarded the MD Junior Science and Humanities Symposium (JSHS). We hosted the 2023 MD JSHS program, on March 4 at St. Mary's College of Maryland. Our EPA with NAWCAD and SMCM gives us the capability we need to deliver the JSHS. How else would we find enough reviewers to read 70 or more papers? SMCM was the site of the 10th Annual STEM-ING, event, which TPP supported.

Our partnership with the College of Southern Maryland is stronger than ever. We had such strong candidates for our TPP-CSM Pathways to Engineering Scholarships that we awarded three scholarships rather than two. Our work with CSM is vital to educating our region's workforce. By investing in students at the College of Southern Maryland, The Patuxent Partnership is supporting STEM education, as well as creating access, pathways, and connections for these students to work with the Navy and other employers.

The TPP Annual Dinner at the Pavilion in beautiful Historic St. Mary's City was once again the highlight of the year, Admiral (ret) William Lescher, 41st Vice Chief of Naval Operations was our speaker. Over 300 members and guests enjoyed the evening and Admiral Lescher's remarks. We thank our sponsors KBR, MIL Corp, NGC, ManTech, SURVICE, VTG, RMC Inc and NSI.

It was a great pleasure to announce Resource Management Concepts Inc. (RMC) as our TPP Member of the Year. RMC exemplifies the highest levels of leadership, community support, and commitment to the economic growth and development of Southern Maryland, and partners with the St. Mary's College of Maryland, Computer Science Department to provide scholarship opportunities and internships for their students. RMC is committed to training and developing students for future IT work and professional development.

Our beautiful region continues to grow and prosper, with so many economic, educational,

and cultural events. All of you are the reasons for this growth. We keep you updated through our TPP Newsletter.

We have a dedicated and engaged Board of Directors. Their participation and support contribute to the success of our programs and initiatives.

Let me close by thanking our benefactors ASEC, BELL, Boeing, General Dynamics, KBR, HTi, Lockheed Martin, Mil Corp, Northrop Grumman, NSI, RTX (formerly Raytheon), SAIC and SURVICE for their continued support.

Working with all of you across government, industry and academia is the heart of our mission. Thank you for your faith in TPP, and for your ongoing support. It is a privilege that we do not take lightly. We look forward to another year, replete with new challenges, opportunities, and a surprise or two.

Below: Admiral (ret) William Lescher, Ms. Bonnie Green, Mr. Douglas Belvin



Bonnie Marie Green

Bonnie Marie Green
Executive Director

Douglas Belvin

Douglas Belvin
President, Board of Directors

OUR MEMBERSHIP

We mean it when we say TPP is all about our members. We are here to support and to work with you. Whether your interest is programs focused on naval aviation, technology innovation, national security, apprenticeships, internships, or workforce retention, TPP has something of interest to you. Our members are involved in community projects, serving on boards, and enjoying cultural events. Our members can be found at any one of many local activities at SMCM, Historic Sotterley, St. Clement's Island Museum, Historic St. Mary's City, and so many historic and cultural venues where you can have fun and perhaps learn a little more Maryland history. You are invested in our TPP community and attending our programs and activities, sponsoring events, sharing ideas, and making use of our valuable network. Your service as volunteer judges, reviewers, observers, and mentors contributes to the success of science fairs, STEM-ING, MD JSHS and many other activities. We could not do it without you. Continue to let us know what is important to you. We want to hear from you.

Programs and Events

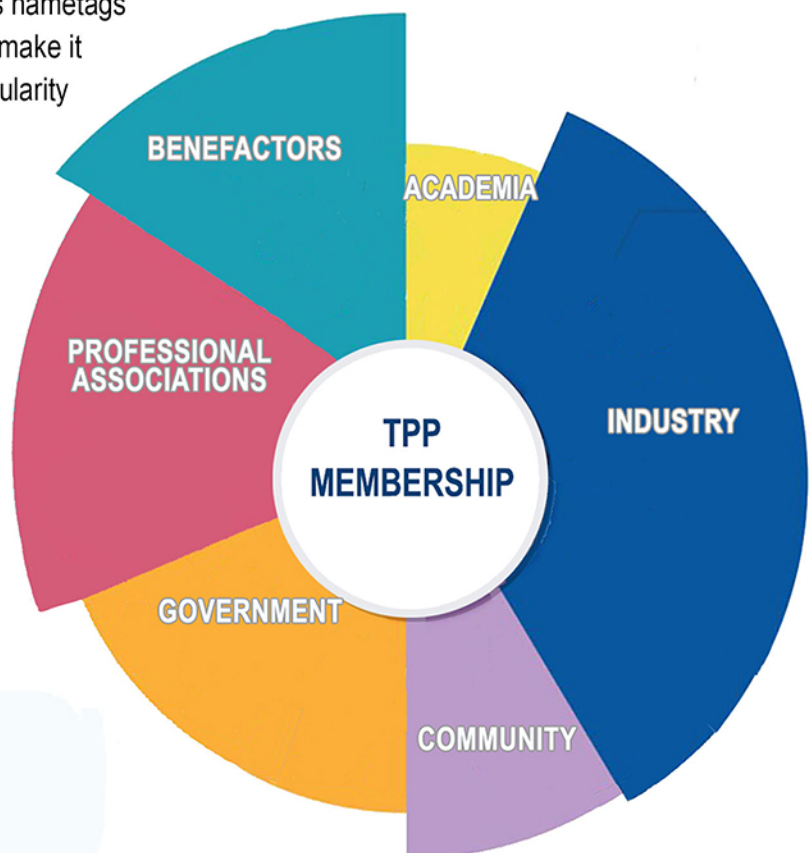
TPP members participate in member-only events and programs, including the TPP Annual Dinner and our Holiday Party. Members are offered reduced or free registration to TPP programs. TPP members are invited to sponsor programs such as the TPP-ANA panels, our annual dinner, and our programs. We value your support and appreciate your confidence in TPP.

Publicizing Events and News Articles

Our Community Events Calendar and News section on the TPP webpage is a way for members to share information about events and other relevant information. The widely read weekly TPP Newsletter with over 4000 subscribers, includes information on TPP programs, NAWCAD and DOD, business and education resources, community activities, and even scholarship opportunities.

We post attendee information on our website. TPP uses nametags that include the corporate affiliation of our members, to make it easy to recognize one another and to network. The popularity of nametags has increased substantially post Covid.

TPP Networking: With 200+ corporate partners, and over 3,300 registered members and program participants, TPP is recognized for valuable networking and partnering opportunities.



OUR BENEFACTORS

Our benefactors embody the mission and values of TPP. Benefactor membership in TPP is by invitation. Along with the membership opportunities listed previously, our benefactors receive additional benefits and visibility. These include prominently displaying Benefactor Corporate Logos on the TPP homepage, with a link to the Benefactor's webpage. Benefactor information is included on programs, the TPP annual report, and our weekly newsletter. We recognize benefactors at our programs and activities.

TPP Member of The Year Award

The Patuxent Partnership Member of the Year Award recognizes a corporate member that best exemplifies outstanding leadership, community support, and commitment to education and the economic growth and development of Southern Maryland. Resource Management Concepts, Inc. received the TPP 2022 Member of The Year Award at our annual dinner.

Candidates must demonstrate strength in business performance, employee culture, community affairs, and volunteer activities, to be considered for the award. Nominees must be TPP members in good standing for a minimum of a year. These companies add so much to TPP and to our communities.

Previous TPP Member of the Year awardees include Whitney Bradley & Brown Inc. (WBB), Naval Systems, Inc. (NSI), Aviation Systems Engineering Company, Raytheon, HTii, Northrop Grumman Corporation, AVIAN LLC, Lockheed Martin and Bell.



OUR PROGRAMS



An Evening with Greg Poling

TPP & the Center for the Study of Democracy present:



Mr. Poling will give a talk on his book, *"On Dangerous Ground: America's Century in the South China Sea"* which evaluates U.S. interests in the world's most complex and dangerous maritime dispute.

His talk will be followed by a Q&A session & book signing

Gregory B. Poling,
Senior Fellow and Director, Southeast Asia Program
and Asia Maritime Transparency Initiative



Wednesday, November 9th, 2022
5-6pm Reception | 6-7pm Talk
7-7:30pm Book signing

Venue: Dougherty Palmer Commons,
St. Mary's College of Maryland

REGISTRATION:
<https://patuxentpartnership.org/tppe-er-entertainment-poling/>



Center for the Study of Democracy

TPP and the Center for the Study of Democracy (CSD) at St. Mary's College of Maryland (SMCM) have a history of collaboration that goes back almost 16 years, jointly sponsoring and presenting programs of interest to our members and the broader community.

- In November 2022, TPP and CSD presented **"An Evening with Greg Poling"**, Senior Fellow and Director, Southeast Asia Program and Asia Maritime Transparency Initiative, Center for Strategic & International Studies, and author of newly released book, *"On Dangerous Ground: America's Century in the South China Sea"* at the SMCM campus. His well attended talk was followed by a Q&A session and book signing.



Association of Naval Aviation/Squadron #18

TPP has partnered with the Association of Naval Aviation's Squadron #18 (ANA) Patuxent River for more than 15 years. In March we celebrated our 50th panel complete with a champagne toast. These events held at the Pax River Naval Museum are very popular and always packed to capacity. Working with squadron CO, Mark "Stick" Converse, a dynamic thinker always looking for speakers for the next panel, is an honor. These panels focus on topics of critical interest to the Naval Aviation community. They provide an opportunity to share the Navy's significant contributions and what is happening "inside the gate" with our members and others. The U.S. Marine Corps (MCAA) also participates in some of our panels and sponsors scholarships. TPP member organizations sponsor the panels. ANA provides scholarships to local students.

TPP/ANA PANEL

"The Carrier Air Wing in DMO - The Sequel"

Keynote Speaker



RADM Andy Loisel,
Director, Air Warfare Division, N98,
Office of the Chief of Naval Operations

- Featuring Keynote Speaker:**
- Keynote/Moderator: RADM Andrew Loisel, Director, Air Warfare Division, N98, Office of the Chief of Naval Operations (confirmed)
- Panelists:**
- CAPT Kevin 'Lamb' Watkins, Program Manager, Naval Air Traffic Management Systems (PMA-213)
 - Mr. Spencer Crispell, Principal Deputy Program Manager, PMA-265
 - CAPT Samuel 'Messy' Messer, Program Manager, PMA-268, Unmanned Carrier Aviation (MQ25A/UMCS)
 - CAPT Mike 'Sniff' Burks, NAVAIR Vice Commander, acting

Sponsored by **LOCKHEED MARTIN**

TPP/ANA Panel left to right: Mr. Spencer Crispell, Ms. Bonnie Green, CAPT Kevin Watkins, CAPT Samuel Messer, CAPT Mike Burks and Mark Converse



- In December 2022, the TPP/ANA Panel - **"The Carrier Air Wing in DMO - The Sequel"** featured keynote speaker, RADM Andrew Loisel, *Director, Air Warfare Division, N98, Office of the Chief of Naval Operations* and panelist, CAPT Kevin 'Lamb' Watkins, *Program Manager, PMA-213, Naval Air Traffic Management Systems*, Mr. Spencer Crispell, *Principal Deputy Program Manager, PMA-265 (F/A 18 and EA-18G)*, CAPT Samuel 'Messy' Messer, *Program Manager, PMA-268, Unmanned Carrier Aviation (MQ25A/UMCS)*, CAPT Mike 'Sniff' Burks, *NAVAIR Vice Commander, acting*. The event was sponsored by Lockheed Martin.

OUR PROGRAMS

TPP/ANA Panels/ continued

- March 2023 saw the TPP/ANA/MCAA Panel- **"Vertical Lift: The Sky's the Limit"** featuring keynote speaker, BGen Matthew Mowery, Asst. Dep. Commandant for Aviation, HQMC and panelists COL Bob "Rider" Finneran, Branch Head, Air Warfare Systems/Assault Support at HQMC Aviation, COL Victor "Mooch" Argobright, Program Manager, Navy and Marine Corps Small Tactical Unmanned Aircraft Systems Program (PMA-263), CDR Pat "Butters" Morley, Rotary Aircraft Branch Head (N980R); Future Vertical Lift (Maritime Strike) / MH-60S; Air Warfare, OPNAV N98, Ms. Erin Lesko, Advanced Development Team Program Manager, PEO(A). This program was sponsored by Syscon North America.



Above from left to right: Ms. Bonnie Green, BGen Matthew Mowery, COL Bob Finneran, COL Victor Argobright, CDR Pat Morley, Ms. Erin Lesko, and Mark Converse.

Middle BGen Matthew Mowery at the podium.

Below: Standing room only.



- We closed FY23 in September with the TPP/ANA Panel- **"Training Like We Fight - Warfighter Readiness"** with Keynote/Moderator, Rear Adm. Michael Donnelly, Director, Air Warfare Division, N98, Office of the Chief of Naval Operations and panelists: Rear Adm. John 'Chet' Lemmon, PEO-T, Christopher 'Newg' Boyle, CAPT, USN (ret.), LVC Training Technology Director, Fleet Forces Command, CAPT Kevin 'Tripper' McGee, PMA-205, Matt Everson, Director, Training Systems Test & Evaluation, Deputy Director, Training Systems RDT&E Dept, NAWCTSD.

Below left to right: Rear Adm. Michael Donnelly, Rear Adm. John Lemmon, Mr. Christopher Boyle, CAPT Kevin McGee, and Mr. Matt Everson.



Left to right: Ms. Bonnie Green, CAPT Kevin McGee, RADM Michael Donnelly, RADM John Lemmon, Mr. Christopher Boyle, Mr. Matt Everson and Mr. Mark Converse



Above right: RADM Michael Donnelly at the podium

Below right: Audience at "Training like We Fight - Warfighter Readiness"



OUR PROGRAMS

REIMAGINING NAVAL POWER



**Briefing with
RADM Lorin Selby,
Chief of Naval Research
on:**

- ♦ **Innovation**
- ♦ **Experimentation**



Friday, October 21st
9:00am to 10am

VENUE: - SMART Bldg
USMSM

REGISTRATION OPEN:
<https://paxpartnership.org/tpp-event/radmselby-cnrf>



Above: RADM Lorin Selby
Below: Capt. Derrick Kingsley with Ms. Bonnie Green



- In October 2022, “**Reimagining Naval Power**” RADM Lorin Selby, *Chief of Naval Research* talked about the need for innovation, experimentation and reimagining naval power.
- In November 2022, **A Briefing with CAPT Kingsley, CO at NAS Pax River**, who assumed the CO position in June 2022 after serving as Executive Officer since Sept 2020. Kingsley shared stories of managing Pax River NAS with challenges of finding security personnel working on utilities and infrastructure issues, and the plans for the next few years.
- March 2023, “**Update to Local Defense Industry**”- This Briefing was originally planned with VADM Carl Chebi, *Commander, NAVAIR* and Tom Rudowsky, *Deputy Commander, NAVAIR*. Due to unforeseen circumstances, VADM Chebi could not attend and Mr. Rudowsky *delivered the update* and fielded questions. He also provided an update on NAE/NAVAIR's North Stars: Capability, Affordability, Availability and "help needed" from industry. NAVAIR is seeking innovative ideas for delivering the capability the fleet needs, on time, at a cost we can afford.
- September 12, 2023, **Logistics Challenges in the U.S. – Why an integrated military-industry approach is critical in this contested security environment** with Alan F. Estevez, *Under Secretary of Commerce for Industry and Security, Bureau of Industry and Security*.



Clock wise: Networking before the event. - Mr. Alan F. Estevez - Audience at event, Maj. Gen. Masiello USM, Ms. Bonnie Green, Mr. Alan Estevez

OUR PROGRAMS

TPP Defense Summit

In June 2023 we had our inaugural TPP Defense Summit **"Naval Aviation and National Security."** We were honored to have The Honorable Steny Hoyer as our opening speaker. He also introduced our keynote speaker Mr. Frederick "Jay" Stefany, *Assistant Secretary of the Navy for Research, Development and Acquisition*.

The following topics were covered:

Panel: **U.S. Maritime Strategy and the South China Sea** - Dr. Steven Wills, *Navalist, Center for Maritime Strategy, Navy League of the United States* moderated a panel with VADM Bruce Lindsey, *USN (ret), PhD, Former Director, Combined Joint Operations, Sea Center of Excellence; Deputy Commander, U.S. Fleet Forces Command*, and CAPT Paul Tortora, *Director, Center for Cyber Security Studies, United States Naval Academy*.

Test & Evaluation: Naval Aviation Acquisition and the Importance of STEM Workforce Development, with Mr. Carroll P. "Rick" Quade, *Deputy for Test and Evaluation (T&E) Assistant Secretary of the Navy (Research Development and Acquisition)*. Mr. Quade also oversees SoMD 2030.

NAVAIR: Thinking Differently - Delivering outcomes that matter to the Warfighter with moderator VADM Carl Chebi, *Commander, NAVAIR* and panelists, RADM John Lemmon, *PEO(T)*, Mr. Roy Harris, *Deputy Commander, COMFRC*, Mr. Don "BD" Gaddis, *Vice President, Air Dominance Division Business Development, Integration and Interoperability, Boeing Defense, Space & Security*, Mr. Scott Pfeiffer, *Vice President, Platform Sustainment and Mission Readiness, Northrop Grumman Corporation*

Prototyping and Delivering to the Warfighter was addressed by Mr. Alex Lovett, *Director for Prototypes and Experiments for the Deputy Chief Technology Officer for Mission Capabilities (DCTO(MC)) in the Office of the Under Secretary of Defense for Research and Engineering (OUSD(R&E))*

Collaboration: NAWCAD and NSWC Dahlgren with moderator RADM Bert Johnston, *USN (ret)* and panelists Mr. Steve Cricchi, *SES, Executive Director, NAWCAD*, Mr. Dale Sisson, *SES, Technical Director, Naval Surface Warfare Center, Dahlgren Division (NSWCDD)*

Closing Remarks were made by Mr. Tom Rudowsky, *Deputy Commander, NAVAIR*.

Thank you to our sponsors:

Presenting Sponsor: Northrop Grumman Corporation

Sustaining Sponsors: Chenega Agile Real Time Solutions (CARS) and Naval Systems Inc.(NSI)

Contributing Sponsors: Boeing, InDyne Inc, KBR, and SURVICE Engineering Company

Reception Sponsor: Lockheed Martin

Lunch Break Sponsor: Resource Management Concepts Inc.

Coffee Break Sponsors: MIL Corp, and St. Mary's Economic Development



The Honorable Steny Hoyer



Mr. Frederick "Jay" Stefany



CAPT Paul Tortora,
Dr. Steven Wills,
VADM Bruce Lindsey,

Mr. Carroll P. "Rick" Quade.



VADM Carl Chebi.

Mr. Scott Pfeiffer,
Mr. Don "BD" Gaddis,
Mr. Roy Harris,
RADM John Lemmon,



Mr. Alex Lovett

RADM Bert Johnston, Mr. Steve
Cricchi, Ms. Bonnie Green, Mr. Dale
Sisson



Mr. Tom Rudowsky

NAWCAD PROGRAMS

NAWCAD INDUSTRY DAY

Tuesday, April 18, 2023
8:00am-11:30am



Program at University Systems
of Maryland, Southern MD -
SMART Building

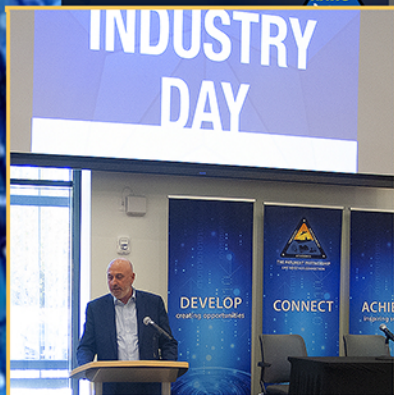
Registration Now Open:
http://topportunity.us/na-cad/
http://topportunity.us/na-cad/

INDUSTRY DAY

Industry Day from
the top: Mr. Ron
Crescini.

Group Left - Right:
Mr. Anthony
Schmidt, Mr.
Christian Utara,
Mr. Jeff Guarnero
Ms. Bonnie Green.

Panel Left - Right:
Ms. Jennifer Prentice
Mr. Anthony
Schmidt, Mr. Ron
Crescini, Mr.
Christian Utara,
Mr. Jeff Guarnero.



At capacity Industry Day audience.

Our Partnership Intermediary Agreement with NAWCAD is the means by which TPP supports NAWCAD. Industry Day events are of the greatest importance to TPP members and the Pax River Community. They facilitate dialogue between NAWCAD including various topics from programs to contracting providing important updates, and briefings by NAWCAD leadership. Attendance is well over 300 people. This PIA also support TechPort and other projects.

- October 12, 2022, The **NAWCAD Industry Day** with Mr. Jeff Guarnero, *Head, NAWCAD Procurement Group/CCO*, and Mr. Rick Tarr, *Director, Tech Transfer Office and Southern Maryland Tech Bridge*, led the planning with *TPP Leadership Kick-Off* with RDML John Dougherty, *Commander, NAWCAD* and then a Sources Sought Guide Update with Ms. Kristen Ferro, *NAWCAD Procurement Group Branch Head/PCO*.

Group Leads Presentations: Air Systems Mr. William Reardon, *SSTM, Executive Director, Air Systems Group* | Mission Systems Group Mr. Steve Wamsley, *Chief of Staff, Mission Systems Group* | Digital Analytics Infrastructure Technology Advancement (DAITA) Group Mr. John Kriz, *SSTM, Deputy Director, DAITA Groups* and Mr. Chris Beard, *DAITA Group Acquisition Manager, NAWCAD* | Systems Acquisition Group (SAG) CAPT Daniel Fucito, *Military Director, SAG* | Webster Outlying Field (WOLF) Mr. Christian Utara, *SSTM, Executive Director, NAWCAD WOLF* | Naval Test Wing Atlantic (NTWL) CAPT Elizabeth Somerville, *Commodore, NTWL* | Q&A / Closing Mr. Jeff Guarnero, *Head, NAWCAD Procurement Group/CCO*.

- The April 2023 **NAWCAD Industry Day** addressed the following topics: NAWCAD Strategic Initiative Panel and Q&A | NAWCAD Business Strategy Overview with Mr. Christian Utara, *Executive Director, NAWCAD WOLF* | Workforce Strategy, Mr. Ron Crescini, *NAWCAD Chief Technology & Strategic Operations (CTSO) Office Director & RDT&E Portfolio Manager (SSTM)* | Rapid Experimentation, Mr. Anthony "Tuna" Schmidt, *Director, Rapid Prototyping, Experimentation and Demonstration, NAWCAD* | Science & Technology Strategy, Jennifer Prentice, *Ph.D., Director of Advanced Technology Development and Transition, NAWCAD Chief Technology & Strategic Operations (CTSO)* | NAVAIR SBIR/STTR Program, Ms. Kristi DePriest, *NAVAIR SBIR/STTP Program Manager* | LRAF Updates/Acquisition Updates (FY23 LRAF), Mr. Jeff Guarnero, *Head, NAWCAD Procurement Group/CCO*, and Mr. Alfred "Bunky" Hensler, *Division Head, NAWCAD Procurement Group* | Q&A | Closing : Mr. Jeff Guarnero, *Head, NAWCAD Procurement Group/CCO*.

CLASSIFIED Industry Collaborative Exchange (ICE) hosted by NAVAIR and NAWC -The 12 July event focused on the "Rapid delivery of integrated warfighting capability that is dominant, affordable and available." TPP managed registration and pre/post meeting questions for ICE.

Member of The Year: Resource Management Concepts, Inc.

The Patuxent Partnership named Resource Management Concepts Inc. (RMC), 2022 Member of the Year at our Annual Dinner in April. The companies that are nominated demonstrate outstanding performance, strong support of the TPP mission and meaningful involvement in community affairs and volunteer activities.



**Resource
Management
Concepts, Inc.®**

Creative solutions. Proven results.

RMC was incorporated in 1994 by Mike Colina. His growing company moved into their headquarters at Bradley Blvd, Lexington Park, where they remain today. During the following years, RMC began to expand its customer base and roots in the local community. RMC became known for its superb program management and a focus on employees and their career development.

Today, RMC is a robust, mid-sized government contracting firm with a broad customer base, including 12 contracts supporting five naval warfare centers. RMC's customer base includes various U.S. Navy, Air Force, Transportation Security Administration, and Customs and Border Protection customers spread across 19 states and Washington D.C.

From the early years of RMC, Mike brought on interns, successfully mentoring them for over 30 years, with a strong focus on education and training. Several of RMC's top executives started their careers there as interns. In 2013, Mike sold his company to RMC's first employees, who are now RMC's CEO Kevin Cooley, and President, Rich Gast.

RMC has demonstrated a strong commitment to being a preferred employer by offering challenging work and investing to provide

staff with the tuition, training, and IT certification necessary to grow their careers. RMC has grown their workforce to over 500 employees and represents a large portion of NAWCAD's local technology workforce.

RMC has partnered with the St. Mary's College of Maryland Computer Science Department for many years, providing scholarship opportunities and internships for IT students. Recently, in the spirit of enhancing the local workforce, RMC provided a Security+ course to 10 St. Mary's College students. More recently, RMC provided two St. Mary's College students with Linux+ certifications as well.

RMC is making investments that grow the Navy and NAWCAD's local technology workforce and reflects the mission and priorities of TPP.

From Left to right: Mr. Douglas Belvin, Ms. Bonnie Green, Mr. Kevin Cooley and Mr. Rich Gast



STEM EDUCATION INITIATIVES

The Patuxent Partnership has a long-standing history of engagement in education and workforce development. We know from our members and the Navy that developing our future workforce is of critical importance to national security and our region.

Our strategic goals include increased STEM outreach and education support, growing the pipeline for engineering, mathematics, technology, the classical sciences, and finance. It includes providing programs focused on education and broader workforce requirements. TPP is strongly committed to workforce development in support of NAWCAD and NAVAIR. This includes holding programs and panels in support of the Navy at Pax River that align with the Navy's continuing education requirements. We present programs that are useful to our members and that provide professional development. Our work across government, industry and academia support economic growth and the diversification of the Southern Maryland economy.

TPP has had an Education Partnership Agreement (EPA) with NAWCAD and St. Mary's College of Maryland (SMCM) for over eleven years. Our EPA supports research, internships, technology innovation, highly valued and growing skilled trades and artisan apprentice programs, STEM-ING, the Maryland Junior Science and Humanities Symposium, and other activities. It includes support for uncrewed systems education, camps, internships, and other educational activities. TPP activities increase visibility for the Aeropark, a major economic driver for St. Mary's County. This includes support for student aviation education, apprentice opportunities, and periodic program updates to our members and the community about what is happening at the AeroPark.

TPP is a valued resource for the community on summer camps, STEM activities and competitions, along with scholarship information. Our work with the NAWCAD Strategic Education Office (SEO) to advance STEM education and outreach activities has increased student participation and awareness, as well as career opportunities.

Achieving these goals requires collaboration with public and private schools in Southern Maryland, St. Mary's College of Maryland (SMCM), the College of Southern Maryland (CSM), the University System of Maryland at Southern Maryland (USMSM), the University of Maryland and other academic organizations. We work with the Fort Meade Alliance on initiatives such as Project Scope to educate students about security clearances.

The Fort Meade Alliance developed Project SCOPE to help students in high school and college and to assist transitioning workers and military veterans, in understanding, navigating and mastering the security clearance as well as identifying situations and actions that could prevent someone from receiving a clearance. Security clearances are essential to many jobs at Fort Meade, NAS Pax River, and across Maryland. While many view clearances primarily as a military requirement, individuals working in banking, law enforcement, natural resources, education, and at various State and local agencies, may require a security clearance. The Academy of Finance at Chopticon High School incorporates Project Scope security clearance education into the curriculum. TPP is working with St. Mary's County Public Schools to make Project Scope available to more students. We also are working with Charles County and Calvert County Public Schools to provide access to Project Scope.

STEM Engagement: From 2006 through 2022, TPP has sponsored STEM related camps with St. Mary's County Public Schools (SMCPS) as well as other support. For many years it was a Summer Space Camp with a focus on NASA and space exploration. More recently, there have been cyber camps, Tech Adventures Camps - incorporating aviation, rocketry, coding, robotics, space science and space citizenship, and other STEM oriented topics. TPP supports the SMCPS STEAM Festival, growing STEMS, and other competitions.

Leap Forward is a 501 (c) (3) that serves underrepresented youth from diverse ethnic backgrounds and underrepresented communities. They do this through programs, personal mentoring, and social and cultural enrichment activities. These include informational seminars, field trips, and educational support services that build self-esteem, academic excellence, and a comprehensive awareness of STEM career options. Leap Forward is focused on getting these students to college. TPP provided support for the monthly Leap Forward meetings at the USMSM SMART building. These students have the opportunity to tackle STEM related challenges and to hear from guest speakers.



Left: Leap Forward students at Aeropark

STEM EDUCATION INITIATIVES/ continued

University of Maryland professor Dr. Danilo Romero works with LEAP Forward and helps plan their meetings and activities. Several of these students participate in the Youth in Aviation program at the AeroPark.

Many of the Leap Forward students were unaware of the work being done by the Navy at Pax River, the AeroPark, the SMART building, and the Patuxent River Naval Air Museum, until TPP arranged a tour of these operations for them last year. It is important to educate students about local career opportunities and TPP works to increase such awareness.



Some of our members are familiar with growingSTEMS, formerly known as The RoboBees. This nonprofit education organization engages students in robotics. Students from second grade to high school are involved in robotics and competitions. TPP has supported the Robobees for almost 20 years, during which time they have won over 38 different awards, including Chairman's Awards, Engineering Inspiration Awards, and Event Winners! Many of the current volunteers at growingSTEMS previously participated as students. Now they are giving back. TPP Board Members have toured the HIVE, the growingSTEMS facility in Hollywood, MD, that is (pardon the pun) buzzing with activity. This year, for the first time, growingSTEMS participated in STEM-ING. Their team is at many local events to increase student interest. In FY2023 TPP contributed \$6000 to support their education programs and competitions. TPP benefactors Northrop Grumman and Boeing, along with other TPP member organizations also support growingSTEMS.

NAWCAD and TPP host an annual event, Science, Technology, Engineering, and Mathematics – Inspiring the Next Generation (STEM-ING) which is designed to introduce middle school girls in the tri-county region to women with STEM careers, gain confidence in taking STEM related courses, and to learn about STEM fields and associated careers. TPP has worked with NAWCAD in supporting the STEM-ING program since its inception. This year's event was held in May 2023 at SMCM. Throughout the day, over 60 young women heard from Wonder Women, and worked with role models who work in STEM at Pax River, in industry and in academia.

They participated in fun, interactive, and challenging STEM workshops and competitions. NAWCAD does most of the planning and provides many of the volunteers. As a partner and sponsor of this event, TPP secures funding for and helps plan the workshops, organizes additional funding sources, engages benefactors and members, and recruits volunteers. This financial support is critical to the success and growth of STEM-ING. TPP provides visibility, awareness, and engagement. This is a labor of love for the many volunteers and TPP is honored to be a partner.

Right: STEM-ING participants



The Pathways to Engineering Program at CSM provides a path for students seeking engineering degrees from the A. James Clark School of Engineering, University of Maryland (UMD), which teaches years three and four in mechanical and electrical engineering here in Southern Maryland at the SMART building. TPP provides two full scholarships each year for students entering the Pathways to Engineering Program at CSM. One of the scholarship requirements is that recipients must agree to continue in the UMD engineering program offered in Southern Maryland. The Pathways/UMD engineering partnership provides opportunities for local students to continue their education while remaining in Southern Maryland. NAWCAD supports many of the students entering the UMD engineering degree program offered here with its own pathway intern program.

The Pathways To Engineering Scholarship Program 2022-2023 recipients: Chopticon High School graduates Skye Blado of Mechanicsville, and David Reynolds of Clements; and McDonough High School graduate Steven McPhee of La Plata, each received a full scholarship that will cover tuition, fees and books for up to two years.



STEM EDUCATION INITIATIVES/ continued

The scholarship candidates for the 2023-2024 academic year had such a passion for engineering, along with academic success, that TPP awarded three full engineering scholarships. One of these students previously was a TJR apprentice at NAWCAD, and subsequently received a summer internship opportunity from NAWCAD. He commenced his studies at CSM in September 2023. When students graduate from CSM and continue into the UMD engineering program, NAWCAD provides a pathway that includes tuition assistance and part time employment that may lead to full time work for the Navy upon graduation. While participation is not guaranteed, there is a 95%+ acceptance rate by NAWCAD.

The Applied Physics Endowed Fund at St. Mary's College of Maryland was established by TPP in 2012, to support the development of an applied physics curriculum. The fund supports education, research, and internships. Collaborative efforts between TPP, SMCM, and NAWCAD under our EPA allow us to maximize the benefits. Many of these SMCM graduates go to work for the Navy at Patuxent River and elsewhere. TPP's support of the physics curriculum at SMCM directly reinforces STEM workforce development and addresses important naval aviation requirements. Faculty engagement in research at NAWCAD is another benefit.

In 2021, TPP established a SMCM Physics Scholarship, to be given annually to incoming SMCM students majoring in physics. **Two \$5,000.00 scholarships were awarded for the 2022-2023 Academic Year.**

Great Mills High School, SMCPS



TPP has supported STEM education and related clubs at Great Mills High School for many years. Cyber Patriot, the Youth Cyber Education Program, brings critical attention to cyber careers in the military, and TPP continues to champion it. The program was created by the Air Force Association to inspire K-12 students to careers in cybersecurity or other STEM disciplines critical to our nation's future.



MaryKay Myers, TPP Finance Director & students at Academy of Finance (AOF) at Chopticon High School

The National Youth Cyber Defense Competition, the nation's largest cyber defense competition, is at the heart of the program. Cyber Patriot helps students to learn about cyber security and encourages their interest in cyber career opportunities, supporting the critical need for cyber professionals in government. TPP Benefactor Northrop Grumman is a major supporter of Cyber Patriot.



Science Fairs and Expos play a critical role in getting students interested in STEM and STEM related careers. Students explore topics of interest, make prototypes, conduct lab experiments, collect data, and present results. The science fairs and expos in St. Mary's, Calvert, and Charles counties showcase middle and high school projects and reflect the broad interests of the students. TPP recognizes their work with awards in junior and senior divisions. Some of our local award winners go on to compete at the regional and national level. TPP members volunteer as mentors and judges, and we appreciate their commitment.

Robotics programs and activities take place in every school in Southern Maryland. Starting in elementary school robots provide a fun, challenging and successful way to engage and educate our students. It gets them interested in robotics, coding and other subjects that are important to the Navy and the broader community. It introduces students to STEM-related careers. Currently, more than 1300 students are involved in competitive robotics in Southern Maryland.

The Academy of Finance (AOF) at Chopticon High School prepares students for careers in business and financial services. TPP has been part of the AOF since its inception. The TPP Finance Director serves on the Program Advisory Council for AOF and is actively engaged with students and faculty. TPP has worked with AOF to incorporate the Project Scope security clearance program in the AOF curriculum and looks forward to broader engagement with the expansion of the AOF program to all three high schools. AOF students are required to participate in an internship opportunity, gaining real world experience that demonstrates the value of their classroom instruction. TPP often has sponsored an AOF intern. TPP is working with the AOF on expanding the AMP/TJR program to include business and finance related opportunities.

STEM EDUCATION INITIATIVES/ continued

Maryland Junior Science & Humanities Symposium

The MD JSHS program is a Department of Defense sponsored STEM program hosted by The Patuxent Partnership (TPP), St Mary's College of Maryland (SMCM) and the Naval Air Warfare Center Aircraft Division (NAWCAD). The JSHS Maryland Regional Competition promotes study in the sciences, technology, engineering, and mathematics fields at the high school level. It publicly recognizes talented students for outstanding achievement, connecting them with research professionals and rewarding research excellence. JSHS is a means to widen the pool of trained talent prepared to conduct research and development vital to Maryland and our nation.

The Department of Defense, along with the U.S. Army, Navy, and Air Force, jointly sponsor undergraduate tuition scholarships and cash awards for student finalists in the Regional and National Symposia.

This is the fifth year that TPP has collaborated with NAWCAD and SMCM to host the Maryland JSHS. The MD JSHS epitomizes the importance and value of our Educational Partnership Agreement with NAWCAD and SMCM. The JSHS sponsorship is critical to expose students to STEM careers across the Defense Industrial Base.

Dr. Katherine Gantz, Vice President for Academic Affairs & Dean of Faculty, St. Mary's College of Maryland, welcomed everyone to SMCM. Our JSHS speakers for the 2023 symposium were Ms. Adrienne Somerville, Deputy Director, Command Operations Group NAVAIR, Ms. Rose Young, Operations Research Analyst, NAVAIR, SMCM Alum '20, and Mr. Jason Szklany, CSM Alum '21, A. James Clark School of Engineering student, UMD. Dr. Troy Townsend, Associate Professor of Chemistry, Interim Director of the Center for the Study of Democracy, SMCM, and TPP board member, served as moderator.

There were 20 student finalists -10 presented oral presentations, and 10 poster presentations in the Maryland competition. The depth of the student research data shared, responses to questions, and their collaboration with teachers, mentors, research labs, and the diversity of the topics was outstanding. The judges had a challenging task.

The judges were Dr. Michael Simpson, *NAVAL STEM Grants Program Officer, ONR*, Mr. Ed Copeland, *Naval Aviation Research, Development Acquisition, Test & Evaluation, Subject Matter Expert; TPP*, Dr. Dale Moore, *The Moore Group LLC*, VADM. (ret) Dean Peters, Dr. Owen Lewis, *President, (ret) Photon Research Associates, Raytheon*, Dr. Randolph Larsen, III, *Professor & Associate Dean of Faculty, St. Mary's College of Maryland*, Dr. Martin Chernoff, *Engineer, NSWC IHEODTD*, Mr. Andrew Koch, *Engineering Psychologist, NAWCAD*, Mr. Phillip Melton, *Electrical Engineer, ESD Technical Agent Team Lead*, and Mr. Karel Blas Almeyda, *Computer Engineer & Scientist - ESD Technical Agent*.

The National JSHS was held March 20th - 23rd in Albuquerque, New Mexico. Four Maryland student delegates competed in the National Competition, along with participants from all 50 states, Puerto Rico, and DoD schools in Europe and Pacific regions. The Patuxent Partnership and Ms. Bonnie Green, the Maryland Regional Director, commend and congratulate our JSHS Maryland Student Delegate, Efe Eroz for receiving 2nd place in the Poster Board Presentations in the Engineering & Technology category.



Cover of the 2023 MDJSHS program



Participating students with their certificates



The distinguished panel of judges



The MDJSHS Regional finalists.

SoMD 2030 WORKFORCE DEVELOPMENT INITIATIVE

Identifying, hiring and retaining talent in Southern Maryland



SoMD 2030 Kick
Off Briefing Jan,
31st



TECH JOBS RULE
APPRENTICESHIP PROGRAM



SoMD 2030 is focused on building our STEM pipeline, increasing career opportunities, and expanding partnerships with government, industry, and academia. This collaborative effort is funded by the Naval Air Warfare Center Aviation Division (NAWCAD). TPP is accomplishing the work under our Partnership Intermediary Agreement (PIA) with NAWCAD. We are working with St. Mary's College of Maryland, the College of Southern Maryland, St. Mary's, Charles and Calvert County Public Schools, as well as other schools, industry, and NAWCAD. The SoMD 2030 funding is due to the continued efforts of the Southern Maryland Navy Alliance.

SoMD 2030 connects talented students with paid apprenticeships and internships in southern MD. It expands the successful TechJobsRule (TJR) high school apprentice program with the James A. Forrest Career and Technical Center (Forrest Tech Center) of St. Mary's County Public Schools, member companies and the Apprenticeship Maryland Program (AMP). It creates college internship opportunities with local industry, government, and nonprofits, leading to additional education and career opportunities.

TechJobsRule/ AMP

This partnership between Forrest Tech Center, TPP and the Strategic Education Office (SEO) of NAWCAD matches talented high school students interested in STEM, business operations and related careers, with paid apprenticeship opportunities in local industry and government. TechJobsRule has been in operation for four years and has been incorporated into SoMD 2030. In April 2023 TPP was awarded the Maryland Economic Development Association Small Community Award for Tech Jobs Rule. Our partner, the Apprenticeship Maryland Program (AMP), is part of the MD Department of Labor Youth Apprenticeship MD Apprenticeship and Training Program.

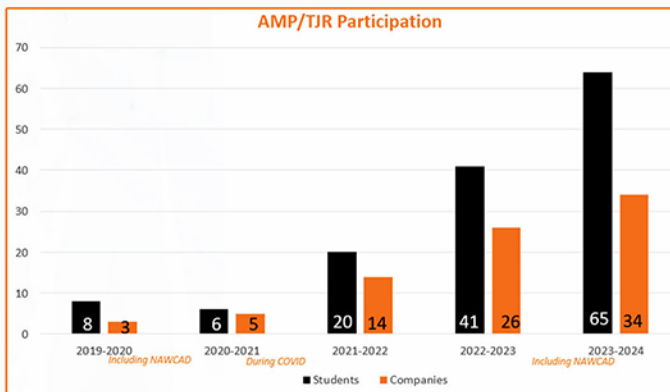
Local industry and government agencies evaluate their work requirements signals to determine their need for skilled workers in particular areas. Once a need has been identified, they work with the Forrest Tech Center and TPP to establish their apprenticeships. Companies must be approved as a youth apprenticeship employer before moving forward with the program.

High school seniors who have completed at least one year of a Forrest Tech Center program are eligible to apply for these paid apprenticeships. The hiring organizations have the opportunity to review resumes and interview student applicants, prior to making hiring decisions.

An apprenticeship coordinator works with hiring organizations to create an individualized work plan for each apprentice. The apprentices work a minimum of 450 hours during the academic year. (There is an option to start early, during the summer).

Forrest Tech Center Programs include:

- Automotive Refinishing and Repair
- Automotive Technology
- CADD
- Carpentry
- Diesel Technology
- Electrical Wiring
- Graphic Communications
- Hospitality and Tourism
- IT Networking
- Manufacturing Engineering Technology
- Natural Resources
- Teacher Academy
- TV/Video Production



Benefits of the AMP/TJR program for students include:

- Completion of a high demand career apprenticeship while earning credits toward a high school diploma
- Learning from mentors who are leaders in the field and their companies
- Getting valuable hands-on experience
- Earning money while learning valuable skills

Company Benefits:

- Student apprentices have had basic training and are eager to learn. They can be trained in areas, in which companies have recurrent or future demands.
- No retraining. Apprentices are trained in the company's procedures and policies without having to "unlearn" other training.
- Apprentice coordinators who help create the Work Plan, monitor student progress, assist company mentors, and help to instill and reinforce soft skills in apprentices.
- Short term hires with option to offer full time employment to apprentices.

AMP/TJR Program has grown from 8 students to 65 students in 5 years.

SoMD 2030 WORKFORCE DEVELOPMENT INITIATIVE/ continued

Identifying, hiring and retaining talent in Southern Maryland

Photos
Inaugural
summer
intern
cohort



Summer 2023 College Internship program

The inaugural summer intern cohort consisted of 41 interns that participated in an eight-week internship at 30 companies located in the tri-county. Some 152 college students applied for the program. Internship criteria was based on standards from the National Association of Colleges and Employers (NACE). Companies had to provide meaningful work/projects for the interns, with clearly defined learning objectives/outcomes related to the professional goals of a student's academic work. Interns were supervised by senior professionals. Interns completed a total of 240 hours.

Interns were required to participate in the following weekly professional development sessions:

- ◆ TPP Defense Summit networking reception
- ◆ True Colors personality/leadership assessment
- ◆ Conflict resolution workshop
- ◆ Connections and Contributions through Leadership & Culture
- ◆ Human-centered design thinking activity & overview of Aeropark Innovation District
- ◆ Professional branding and resume updates

Evaluations by interns and supervisors were completed mid-summer and at the conclusion of the internship on both the intern performance and the overall program. Interns were evaluated on eight NACE career competencies.

NACE Career Competencies



Summer 2023 Internship Highlights



QR code for the Summer 2023 intern cohort slides featuring their internship project highlights

Special thanks to the following companies for hosting the inaugural cohort of interns:



SUMMER 2023 COLLEGE INTERNSHIP
COMPANY PLACEMENTS

ACE
ON TARGET™

AIRTEC

ATKINSON
REFRACTOR & TECHNOLOGY

AMPIERCE
& ASSOCIATES

avian®

BELL

Booz
Allen

Cogito
Innovations

CTSi

D&L Services, LLC

EAGLE SYSTEMS

Trepid

HTii

IHNA

KBR

KEKOLU
CONTRACTING, LLC

KSA
INTEGRATION

MAG
AEROSPACE

NSI
THE SOLUTIONS COMPANY

NEANY
Creating Innovative Aeronautics Solutions

NINE30
CONSULTING

PAX
RIVER NAVAL AIR MUSEUM
AND HISTORIC CENTER

Platform
AEROSPACE

Resource
Management
Concepts, Inc.®
Creative solutions. Proven results.

SAIC

SMX

THE St. Mary's
County
Chamber
OF COMMERCE

WGS Systems

8/9/2023

WHERE STUDENTS RESIDE

Anne Arundel	Calvert	Charles	Montgomery	St. Mary's	Non-MD
1	8	4	1	24	2



Summer Recognition Program Reception



Intern on the job



Professional Development Session



Professional Session



SMCM Staff and Interns



SoMD 2030 WORKFORCE DEVELOPMENT INITIATIVE/ continued Identifying, hiring and retaining talent in Southern Maryland

Internship job titles

Accounting Intern
Aircraft Maintenance & Operation Support
Analyst Intern
Automation Engineer
Business Analyst Intern
Communications & Outreach Intern
Cyber/Software Engineering Intern
Data Analyst
Finance Intern
FMS Export Compliance Intern
General Contracting Construction Intern
Graphic Designer Intern
Information Technology Intern
Logistics Support
Machine Learning Engineer
Mechanical Engineering Intern
Museum Program Assistant
Quantum Computation Algorithms & Development
Software Technical Data Intern
Systems Administration Intern
Systems Engineering Intern

Quotes

"Overall the internship is teaching me a lot of new ideas and ways that the business world works. I have gained newfound knowledge in many different areas surrounding my specific skills set, communication, teamwork, and professionalism."

"My company provides a really beneficial opportunity to understand the intricacies of the contractor side of its relationship with the U.S. Government. In addition, it has provided unique experiences to all interns at all the various locations to expand our network and gain the insight that is required to make informed decisions about our career path and our intentions as we all look to complete our college education and enter the workforce as a productive citizen."

"I think I have demonstrated an ability to collaborate effectively with other interns on recent projects. In addition, I have demonstrated an ability to utilize lessons learned from my coursework (SolidWorks, Revit) to provide a unique perspective to solving problems and working on projects. I have also been able to take advantage of the opportunity to go on base and learn about the seemingly complex structure/organization of government/DOD and how they interact with the private contractors."

Spark! Student Career Awareness Fair

The inaugural Spark! Fair was modeled on the Junior Achievement Inspire Fair (Eastern Shore) in 2022 and designed to engage students with hands-on, interactive learning experiences. It provided students in Southern MD with face-to-face interactions and the opportunity to speak with professionals from the Navy and other government organizations, as well as health, commercial enterprises, and trades. Students benefited from an insider's perspective of what it is like to work in a specific industry.

Students learned more about Naval Aviation and the work of the Navy at Pax River, local government, banking, health, commercial enterprises and others also participated. Students learned the skills and requirements needed to succeed in each field. These are opportunities located in their own backyard, many students had no prior knowledge of the Navy at Pax River.



A total of 440 high school students participated, from the following:
Calvert County Public Schools - Charles County Public Schools
St. Mary's County Public Schools - St. Mary's Ryken HS
Home School Community

SoMD 2030 WORKFORCE DEVELOPMENT INITIATIVE/ continued

26 organizations participated: Various NAWCAD organizations ♦ US Navy Test Pilot School ♦ St. Mary's County Sheriff's Office ♦ St. Mary's County Dept of Economic Development ♦ UMD – A. James Clark School of Engineering ♦ MATRIX lab at USMSM ♦ MedStar Health ♦ MedStar St. Mary's Hospital ♦ ACE Consulting Group ♦ Boothe's Heating Air & Plumbing ♦ Eagle Systems ♦ Naval Systems Inc (NSI) ♦ Northrop Grumman ♦ PNC Bank ♦ Precise Systems ♦ Resource Management Concepts ♦ World Financial Group

Quotes:

"I really liked learning about different careers that I haven't considered in the past." – student attendee

"It was a great way to meet the up-and-coming workforce and introduce our organization." - company representative

SUPPORT OF BLUEPRINT FOR MARYLAND'S FUTURE<<<<

The Blueprint for Maryland's Future is legislation passed in 2021, includes comprehensive changes to nearly every aspect of Maryland's public education system. It increases annual education funding by over \$3.8 billion over the next 10 years. The Blueprint will enrich student experiences, accelerate improvements to student outcomes, and improve the quality of education in Maryland. (<https://blueprint.marylandpublicschools.org>)

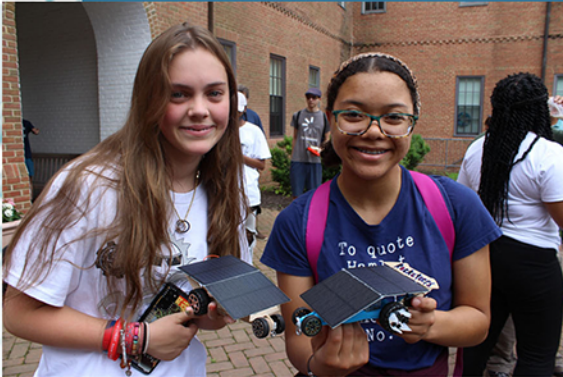
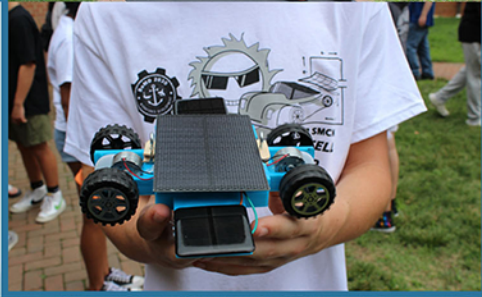
Pillar 3, focused on College and Career Readiness, sets a new CCR standard that prepares graduates for success in college and the workforce by ensuring they have the knowledge and skills to complete entry-level credit-bearing college courses and work in high-wage and high-demand industries. Highlights include – new college and career readiness standard by 10th grade, aligned curriculum resources and assessments, college and career readiness and support pathways, expanded career and technical education system.

TPP's longstanding STEM outreach, engagement and support, and the addition of SoMD 2030 Workforce Development initiatives, provide opportunities for building on relationships with the public schools in Calvert, Charles and St. Mary's Counties, and developing additional pathways for educational and career opportunities.



SoMD 2030 WORKFORCE DEVELOPMENT INITIATIVE/ continued

SMCM Summer Camp with Dr. Troy Townsend



ST MARY'S
COLLEGE of MARYLAND
The National Public Honors College

Summer Camps

Solar Cell Camp at St. Mary's College of Maryland (one week-20 high school students)

Highlights included:

- SMECO talk by Mr. Jeff Shaw, VP Distributed Energy and Sustainability at SMECO
- Learning the physics of solar cells from an energy perspective
- How to write code for microprocessors by (Dr. Michelle Milne, Physics Professor, SMCM)
- Photosynthesis and setting up a lab space to experiment with O2 bubbles and aquatic plants by (Dr. Emily Brownlee, SMCM)
- Attending camp on a college campus
- Campus tour, from resin printers in the theater department to time with SMCM research students who spoke about their senior capstone projects
- Showcase race "championship" of the race cars built during the camp, with friends and families there to cheer on the race

Future Problems Solver Camp

Future Problems Solver Camp at the SMART Building by the A. James Clark School of Engineering, UMCP (two weeks, 42 high school students)

- Day 1: Lessons on energy; talk from Dr. Ben Hannessy (DOE) on wind energy; intro to CAD design
- Day 2: More 3D CAD design; reverse engineering using CAD; 3D printing
- Days 3 & 4: Microelectronics, microcontrollers, coding
- Day 5: Building the windmill project; assembling small drones and manual flight at the open-air lab
- Day 6: Building and autonomous control of rovers
- Day 7: App development
- Day 8: Worked on projects
- Day 9: STEM Open House featuring educational opportunities at USMSM and learning more about UMD electrical and mechanical engineering programs
- Day 10: work on favorite projects for demonstration to their parents/students in Southern MD to aviation careers. SoMD 2030 supported ground instruction, pilot packages and the AvLearn License.



**UMD Summer Camp with
Dr. Danelo Romero**

Youth in Aviation

The Southern Maryland Youth in Aviation program works to preserve the African American Legacy in aviation and to introduce young students in Southern MD to aviation careers. SoMD 2030 supported ground instruction, pilot packages and the AvLearn License.

Twenty students took part in Phase 1 and eleven students continued on to Phase 2.



THE INTERGOVERNMENTAL PERSONNEL ACT (IPA) MOBILITY PROGRAM



The IPA Mobility Program is a unique program that enables the temporary assignment of skilled personnel between the Federal, and state and local governments, colleges and universities, and other eligible organizations.

The IPA Program is a valuable tool for DoD and other organizations to acquire critically needed scientists and subject matter experts (SME) to bridge the gap with critical to fill positions.

The benefits of the IPA Program to Sponsoring Organizations include:

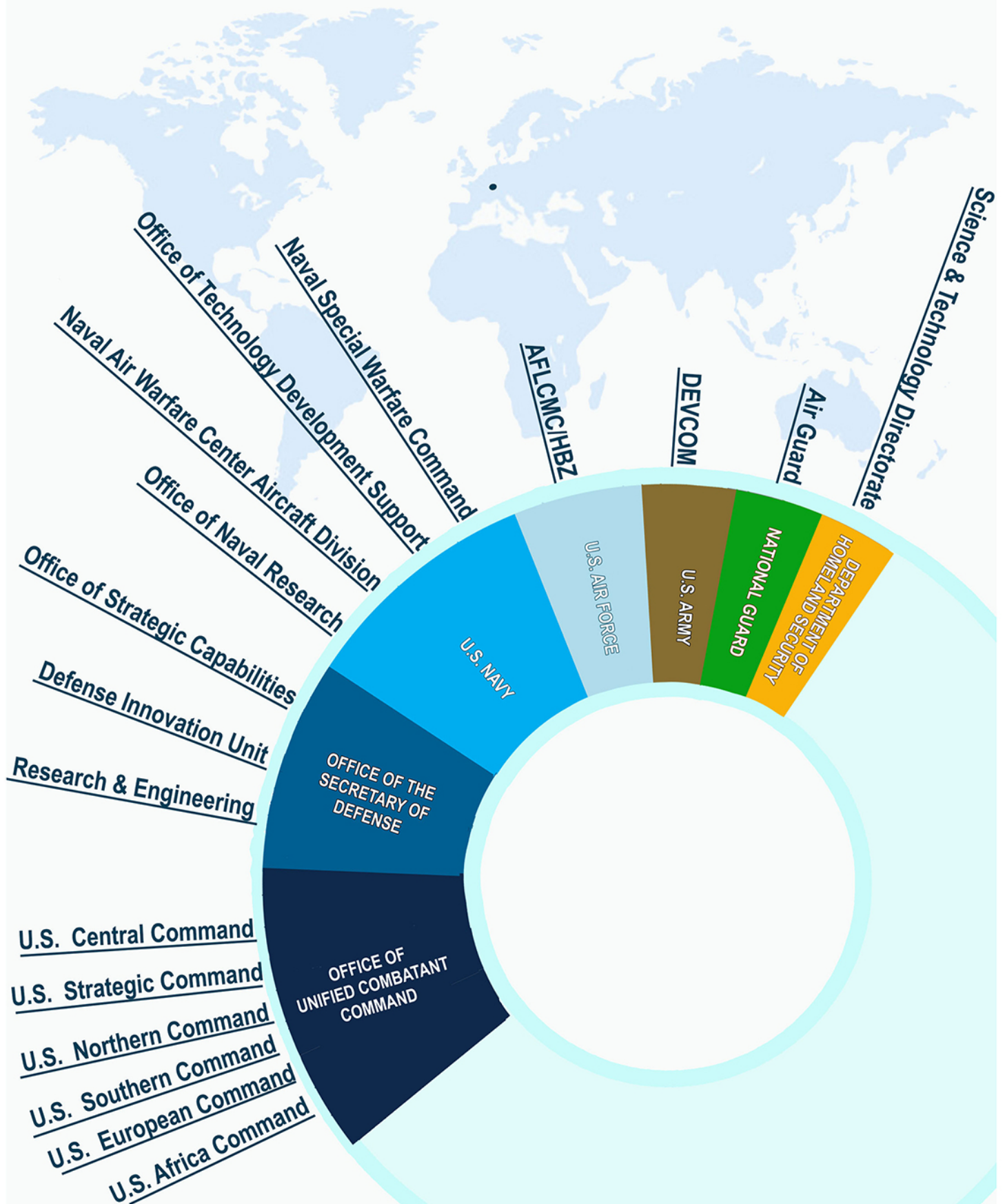
- Government Authority – IPAs are authorized to represent the government.
- Value – IPAs bring specific expertise to hard-to-fill positions quickly and are an affordable, cost-effective program to meet urgent/specific workforce requirements (not included in personnel ceiling).
- Simple and rapid to implement – TPP employees are detailed to government organizations to address critical capability gaps or requirements. TPP provides all personnel management / HR support.
- Flexible – agreements cover limited-term projects requiring specific expertise, frequently, but not exclusively, in science and technology.
- Scalable – IPA agreements meet the requirements of the sponsoring organization.
- Specialized Subject Matter Expertise – TPP IPAs are recognized SMEs who communicate with one another and leverage knowledge to the benefit of their sponsoring organizations.

TPP's ongoing engagement with sponsoring organizations also serves to connect and support. TPP IPAs are respected leaders in science and technology to connect and support, many are retired military/civilian personnel, with first-hand knowledge of warfighter capability needs. IPAs connect the dots between emerging technologies and rapid fielding of capabilities and have extensive knowledge of the acquisition process. Their unique experiences add value to TPP and the government organization. IPAs may supervise employees and commit financial resources.

For information on TPP's IPA Program please contact:

Bonnie M. Green, Executive Director | bonnie.green@paxpartnership.org
MaryKay Myers, Finance Director | marykay.myers@paxpartnership.org

IPA DISTRIBUTION



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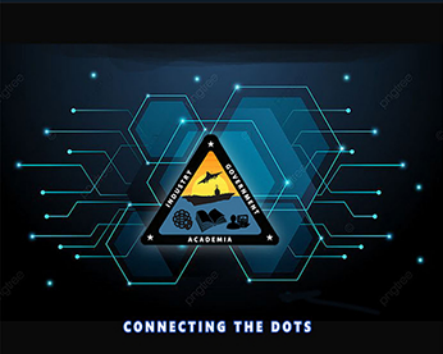
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The Patuxent Partnership





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DeManss Consulting



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Founder and President at
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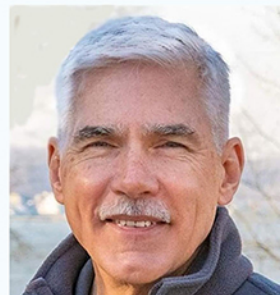
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Tom Sanders
Founder and CEO of
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Matthew Scassero
Director of Operations and
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Linda Vassallo
Deputy Administrator,
Calvert County Government



Ray Wernecke
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Vice President, Director of
Business Solutions
Programs, PSI Pax, inc.



Scott White
President/CEO
HTii



Steve Cricchi
DOD Liaison -
Executive Director,
NAWCAD

COMMITTEES

BOARD GOVERNANCE

The Board Governance Committee ensures that the board composition and structure is in compliance with the bylaws, with a diverse group of directors capable of accomplishing the mission and objectives of the organization. The committee provides the Board with periodic review of board composition and terms, identifies new board member candidates, and keeps the Board aligned with its roles and responsibilities with the organization's purpose.

FINANCE

The Finance Committee ensures the organization's financial stability by providing oversight on its budget and finances. The committee's primary role is to provide the expertise needed to assure the full Board that the organization is on sound financial footing. To perform this role effectively, committee members work as a team with the Executive Director, Finance Director, auditors, and other financial professionals.

ACADEMIC & OUTREACH

The Academic & Outreach Committee identifies and recommends initiatives, programs and financial support aligned with our mission and the TPP strategic plan. Committee members provide regional support for STEM education-related activities and identify new opportunities to support STEM workforce development.

IPA COMMITTEE

The IPA Committee focuses on the work of our IPAs, strengthening our relationships with government agencies, academia and our members.

MEMBERSHIP COMMITTEE

The Membership Committee focuses on the recruitment of new members, engagement of current members, and assistance to members in partnering with each other and the greater Southern MD community. It also brainstorms ways to demonstrate the value of TPP membership.

STRATEGIC PLANNING

The Strategic Planning Committee is responsible for developing the organization's mission, vision, and goals through the creation and implementation of a comprehensive strategic plan to be implemented by the Board of Directors. The committee regularly reviews the organization's goals to ensure the strategic plan is in alignment with ever changing objectives of the community and Navy partners.

HEADQUARTERS STAFF

Executive Director, **Bonnie Marie Green**
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TPP Annual Dinner, Historic St. Mary's City

It was a beautiful spring evening at Historic St. Mary's City, with a little chill in the air for the TPP its Annual Dinner on April 26th. Our special guest and dinner speaker was Admiral (ret) William Lescher, 41st Vice Chief of Naval Operations. More than 300 members and guests enjoyed libations on the lawn and sunset on the St. Mary's River. After time to catch up with friends and colleagues, we moved on to dinner in the pavilion. Historic St. Mary's City, first capital of Maryland, has been the setting for the TPP Annual Dinner for a number of years, and it never disappoints.

TPP Executive Director Bonnie Green welcomed everyone and introduced special guests VADM Carl Chebi, NAVAIR Commander, Executive Director, Steve Cricchi, NAWCAD Commander, RDML John Dougherty, NAVAIR Deputy Commander, Tom Rudowsky, RADM (ret) Charles "Bert" Johnston, RADM (ret) Tim Heely, Director of Fleet Readiness Center Aviation Support Equipment (FRCASE), Ms. Adrienne Somerville, College of Southern Maryland President, Dr. Yolanda Wilson, PRNAM Executive Director, Dr. Scott Gray, St. Mary's County Commissioner President Randy Guy, Acting Executive Director, HSMC Dr. Travis Parno, TPP board members and others. Bonnie said that everyone at the dinner was special, but in the interest of enjoying dinner and the program, there was not time to recognize everyone.

Bonnie spoke briefly about the many ways our members are engaged in the community and that the TPP Annual Dinner is an opportunity to recognize TPP's activities and engagement, to celebrate our members, renew acquaintances and to celebrate one another. Dr. Travis Parno spoke briefly about exciting activities at HSMC and extended his welcome.

The National Anthem was once again poignantly rendered by TPP board member Matt Scassero and Director of Government Relations, MD Department of Agriculture, Rachel Jones. Former TPP board member Joe Anderon offered the invocation. Their participation has become a tradition of the TPP Annual Dinner.

After dinner Bonnie and TPP Board President Doug Belvin introduced the 2022 Member of the Year, Resource Management Concepts Inc. (RMC). Accepting the award for RMC was CEO, Mr. Kevin Cooley and President Mr. Richard Gast. They were joined by colleagues for some celebratory photos.

TPP Board President Doug Belvin was pleased to introduce our speaker Admiral (ret) William Lescher, 41st Vice Chief of Naval Operations. Admiral Lescher talked about the strategic importance of the "Get Real, Get Better" initiative. He noted "We are going through a change in our strategic context, we are pivoting from supporting forces ashore for the last 20 years to the new challenge of great power competition."

Bonnie thanked the dinner sponsors for their support. Platinum Sponsors: KBR, MIL Corp, Northrop Grumman Corp; Gold Sponsors: ManTech, SURVICE Engineering Company; Silver Sponsors: VTG, Resource Management Concepts Inc, and Naval Systems Inc.

ANNUAL DINNER 2023





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