

Stem Illustrated

A full-page background image of an astronaut in a white space suit standing on the lunar surface. The astronaut's helmet visor reflects the Earth in space. The lunar surface is dark and rocky.

**BIG
SPACE
SUIT
ISSUE!**

**FEATURING
THIS YEAR'S
AWARD
RECIPIENTS**



Harford Community College
Congratulates

**NMTC
VISIONARY AWARD
HONOREE**

Francis Mayer

of the Integrated Business and
Applied Technology Department

for his personal commitment to the
advancement of STEM education.

Harford Community College
offers certificates and degrees
that prepare students for
immediate employment in
a science/technology field
or transfer to a four-year
program in the fields of:

- Cybersecurity
- Mathematics
- Engineering
- Biology
- Physics
- Chemistry
- Environmental Science

www.harford.edu



HARFORD
COMMUNITY COLLEGE



Agenda

PLEDGE OF ALLEGIANCE

WELCOME, INTRODUCTIONS and NMTC UPDATE

Mr. Michael Janus
Chair, NMTC Board of Directors

NMTC BOARD ELECTIONS

Mr. John Casner
Executive Director, NMTC

SUCCESSFUL STEM STUDENTS

Ms. Lila Dobry, Student at Perry Hall Middle
School and computer coder

Ms. Sarah Patrick, Student at University of
Maryland, Information Science Major

NMTC VISIONARY AWARDS

Mr. John Casner
Executive Director, NMTC

VISIONARY HONORS PRESENTATION

Ms. Claudine Adams, President, Bravura
Information Technology Systems,
introduced by Dr. Philip Perconti,
Director, CCDC Army Research Laboratory

CLOSING REMARKS

Mr. Michael Janus
Chair, NMTC Board of Directors

ADJOURN

Award Criteria

NMTC Visionary Awards for STEM Education and Technology and Innovation Advancement

Rising Star: Person to watch

Demonstrates, in a bold way, the potential to be an excellent, long-term contributor to building our STEM-educated workforce and advancing technology and innovation. An individual may only be awarded the Rising Star Award once.

Mentor: Role model for future generations

Illuminates those consistently volunteering their knowledge, experiences and wisdom by going above and beyond in using their personal time and resources simply for the love of stimulating and inspiring greatness in students or teachers or organization proteges.

Innovator: Generator of ideas that make a difference Recognizes exceptional personal efforts in developing and implementing innovative program(s), measurably benefiting and building our STEM-educated workforce, and advancing technology and innovation with the potential for broad positive impact in the community.

Leader: Trailblazer who sets the pace for success

Acknowledges steadfast, consistent contribution to building our STEM-educated workforce and advancing technology and innovation in a public way while inspiring others to help in accomplishing shared goals.

Visionary: Role model who builds our STEM-educated workforce and advances technology and innovation to benefit the community

Celebrates significant contributions to the well-being of the community, displayed as above-and-beyond personal commitment, in building our STEM-educated workforce and advancing technology and innovation, with demonstrated qualities of enlightened leadership to benefit others, over an extended period of time.



Congratulations to DSA's Senior Vice President of the Strategic Solutions Group, Kathleen Kirk, recipient of the NMTC Visionary Leader Award and DSA's Chief Learning Officer, Tracey Schreiner, recipient of the NMTC Visionary Mentor award for their important work supporting STEM education.



Kathleen, Tracey and DSA Team members David Patrick, Davlyn Williams, Erin Poole, and Amy Fares support DSA's efforts in Maryland to advance the Microsoft TechGirlz mission to inspire middle school girls to explore the possibilities of technology to empower their future careers.

215-245-4800 www.dsainc.com
Employee-Owned, Mission-Driven

PENNSYLVANIA | COLORADO | HAWAII | ILLINOIS | MARYLAND | NEW JERSEY | TEXAS | VIRGINIA | WASHINGTON DC

Since 1963, DSA has provided secure, innovative technology and information management solutions that enable our defense and federal civil government customers to serve the public and safeguard our Nation.



NMTC Board of Directors

Current Officers

Mike Janus Chair
Sue Manning Treasurer
Melissa Kuzma Secretary

Standing for election to the NMTC Board of Directors

Dr. Nina Lamba, Dev. Manager Bio Health & Life Sciences, MD Dept of Commerce
Dr. Mary Way Bolt, President Cecil College
Todd Marks, President, Founder Mindgrub Technologies
Dr. Michael O'Leary, Chair, Mathematics Department Towson University
Karen Holt, Federal Installation Administrator Harford County OCED

Serving through the year 2020

Susan Manning, Business Dev. Specialist Freedom Federal Credit Union
Michael Janus, Vice President, General Manager Battelle
Randy Rippin, President, RTR Technologies, Inc.
Chris Moyer, Director Cecil County OED
Claudine Adams, President Bravura Information Technology Systems
Jeffery Mims, Chief Architect Leidos
Melissa Kuzma, President Kuzma Technical Enterprises

Serving through the year 2021

Frank Cardo, STEM Programs Coordinator Cecil County Public Schools
Denise Carnaggio, APG Liaison, Partnerships Coordinator Harford Community College
Michael Parker, Vice President (retired) Leidos
Mary Beth Stapleton, Coordinator Grants, Partnerships Harford County Public Schools
Dr. Dianna Phillips, President Harford Community College
Gary Martin, President GPM Consulting, LLC
John Karabias, Director, Strategy Corporate Dev., Defense & Security SAIC

VISIONARY AWARDS COMMITTEE

- Frank Cardo
- Denise Carnaggio
- John Casner
- Marco Ciavolino
- Mary Beth Stapleton
- David Patrick
- Stan Childs
- Joan Michel

GALA VOLUNTEERS

- Mary Doak
- Kimberley Nikitas
- Donna Mendes
- Celine Childs

SPECIAL RECOGNITION

Marco Ciavolino and his wife, Susan, were award recipients in 2015. Since then, Marco has contributed many hours to NMTC events and projects providing logistics support, equipment, photography, multi-media, and design services. The event brochures and cleverly engaging ideas were created by him and his creative mind. If your organization is looking for effective, well-executed solutions to your communications needs please visit his site and contact him to discuss your requirements. You can learn more and see the wide range of projects and skills he brings to your work at his website.

Learn more at:
<http://enktesis.com>

**enktesis*
** building value*
developing ideas



NMTC: Where members collaborate, key connections thrive, and opportunity expands!

NMTC connects the more successful technology companies in the region, energetic growing enterprises, government and federal leaders, and academic professionals into a collective force to accelerate economic growth, build our STEM-educated workforce, and protect national security, by driving technology and innovation in Maryland.

We are Maryland's fast-growing technology council with more than 200 members, advocates, and supporters providing access to technology, industry, academic and government leaders in Harford, Cecil, and Baltimore Counties.

Launched in 1992, NMTC connects members' companies, organizations, and members to their peers and influential decision makers through organized networking, informative workshops, technology and STEM workforce summits, and idea-inspiring collaborative initiatives.

NMTC Hosted Events:

- Disruptive Technology Summits
- TECHCONN3CT Workshops
- TECH-START Inventor's Workshops
- STEM Workforce Summits
- STEM Clubs
- Tech Leadership Roundtables
- GOLF4STEM Tournament
- WOW, World of Wine
- Leader to Leader Social
- Visionary Awards



Visionary Award Claudine Adams

Claudine Adams' lifelong career of more than 30 years has been a story of perseverance and hard work creating opportunities in the technology arena and STEM that lend a "hand up" to entrepreneurs and students in the region, especially young women. Ms. Adams has built her current company, Bravura Information Technol-

ogy Systems, Inc., to extraordinary success, replicating and surpassing her previous achievements in the corporate world. Bravura stands for "bravery," a character trait self-reflected as she saw herself unexpectedly starting over in her career and navigating a new path forward. As an executive managing multiple programs, Ms. Adams invests her time mentoring other small businesses and individuals. In 2014, she founded a group entitled "Brave Ones," which focuses on understanding the full continuum of entrepreneurship focused on doing business with federal entities. Ms. Adams most recently pioneered and endowed a \$20,000 scholarship program, through the Northeastern Maryland Technology Council (NMTC), to offer young women in Cecil and Harford Counties opportunities to compete for STEM-focused scholarships. Her philanthropy goes beyond scholarships to supporting "Tools for Schools," the Fisher House Gala, and "Spirit of Thanks" tours. She is also a volunteer for the Harford Chamber's Young Entrepreneurs, and the Joy Ministries program, which specializes in activities that support a battered women's shelter in Maryland.



Keynote Speaker Sarah Patrick

Sarah Patrick is a first-year student at the University of Maryland – College Park studying Information Science. She graduated from the Science and Mathematics Academy at Aberdeen High School last May, where she completed a year-long research project alongside a

DoD mentor from CERDEC, called "Engineering peer credibility via mastery of roles." Sarah has volunteered with DSA, Inc. for the past three years in collaboration with TechGirlz, running various technical workshops at Boys and Girls Clubs of Harford County. Sample workshops include building a website with WordPress and designing a game with Kodu. Sarah also completed an internship with the Project Management Institute (PMI) where she built a speaker database using SharePoint, PowerApps, Forms, and Flow for their annual events. She speaks about her experience with the applications at various technical conferences such as SharePoint Saturday and Philly Code Camp. She is also developing a new talk on creating a game in PowerApps, in hopes it will become a new TechGirlz workshop.



Keynote Speaker Lila Dobry

Lila Dobry is a seventh-grade student at Perry Hall Middle School. In addition to being a straight-A student, she enjoys being involved in many different activities at school, including the Yearbook Club, theater, National Junior Honor Society, Treble Choir, and National Junior Art Honor Society. Outside of school, Lila helps

design and build robots as a member of a FIRST Tech Challenge team that is heading to the Maryland State Championships. She has also taken classes and attended summer camp with Johns Hopkins Center for Talented Youth program. Last year, Lila was very excited to get her first paid programming job with Empower Mats, helping write sample programs in a new programming language to help blind and visually impaired students participate in FIRST LEGO League. She has not yet chosen a direction for her future focus, but is currently excited about the "Intro to Biomedical Sciences" camp this summer.

2019 Award Recipients



Jamie Gurganus Leader Award

Jamie Gurganus' research is focused on solving problems relating to educating engineers, teachers, and the community. She seeks to identify best practices and develop assessment tools that assist teachers with student engagement, helping them to be successful through the STEM pipeline. A few of these

key areas include enhancing student's spatial abilities (K – 12 and higher education), integrating service learning in the classroom, implementing new instructors' methodologies and design optimization using additive manufacturing. During her tenure, thousands of young engineers have been given a world-class opportunity to compete in the global FIRST LEGO League effort, with projections at more than 600 for next year alone. She has done this while finishing school, earning a doctorate, and becoming a professor at UMBC. Professor Gurganus serves as the Associate Director of Engineering Education Initiative for the College of Engineering and IT (COEIT) at UMBC and as Co-Director of Advanced Engineering Education Excellence (AEEE).

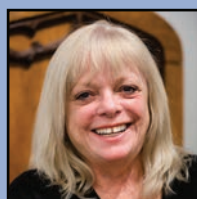


Kathleen Kirk Leader Award

As Senior Vice President of DSA's Strategic Solutions Group, Kathleen Kirk has held leadership positions supporting IT efforts for the Department of Defense and commercial industries for the past 30 years.

Her vision and strong advocacy for young women in STEM has underpinned DSA's efforts by supporting

team members to advance the TechGirlz' mission. Kathleen was integral in helping DSA get its TechGirlz Workshop Programs off the ground, beginning in April 2016, when she got DSA to provide financial support. She attended many of the first sessions, starting each session with a pep talk for the girls. Kathleen has always shown her employees how to get more involved in STEM, encouraging others to join that cause. Leading by example, she has demonstrated that she makes a difference, and others can as well. Ms. Kirk has also received the Brava Award, which recognizes leaders who combine their entrepreneurial spirit with a passion for giving back to the community.



Sue Manning Leader Award

For more than two decades, Sue Manning has been a dedicated leader in fundraising for STEM education, technology research and scholarships. Beginning with positions with both the American Cancer Society and the American Heart and Stroke Association, Ms. Manning developed talent boards and commit-

tees to raise millions of dollars for scientific, technical and medical research. Joining Freedom Federal Credit Union in 2000, Ms. Manning turned her attention to fundraising for STEM initiatives. As treasurer for Women in Defense, she raised the funds necessary for a chemistry lab at Harford Community College, and a scholarship fund for young women. Ms. Manning serves on the NMTC Board as treasurer, working tirelessly to raise thousands of dollars for the organization's STEM missions. And as a board member of the APG Discovery Center she shares in the vision to bring a world-class science and heritage center to Harford County.



Martha Barwick Innovator Award

Martha Barwick knows how to transform students' learning experience through the power of technology. Inspiring teachers to realize the power of technology integration is Dr. Barwick's goal as she coordinates and delivers sustained, high-quality professional learning for Harford County Public Schools (HCPS).

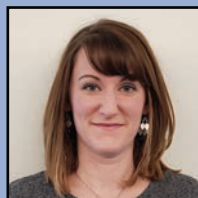
Through her leadership as HCPS' Coordinator of Instructional Technology she inspires and empowers teachers to provide the highest level of instruction. Dr. Barwick has advocated for and supported the development of a digital ecosystem, initially being part of the Digital Harford team, which recommended "an active and dynamic learning environment using cutting-edge on-demand content and seamless access to digital tools that will inspire all learners." These ideas have resulted in access to digital curriculum for teachers as well as providing students seamless access to on-demand digital content and digital tools to facilitate content creation.



Charles Nietubicz
Innovator Award

Charles Nietubicz's career spans 39 years of working with students as an engineer, with vast experience in supercomputing. He was an early adopter of STEM activities, having established the first computer laboratory at the Good Shepherd School in Perryville in the early 1980s using Commodore 64 computers and

teaching students programming classes. Mr. Nietubicz draws on his experience working at the Ballistic Research Laboratory/Army Research Laboratory; and continues to work part time for the Energetics Technology Center. As Vice President for the APG Discovery Center Board he sparks passion for science and technology for all generations of innovators and champions the vision for the APG Discovery Center as a place where learners of all ages explore, experience, invent, create, and play with technology, leading them to a greater understanding of the scientific principles at play and the history of that technology's development.



Carrie Kauffman
Mentor Award

Carrie Kauffman leads technical multidisciplinary teams and serves as the Laboratory Manager for dilute chemical warfare materiel and environmental analyses at Battelle. She is passionate about STEM education, having hosting countless students in her laboratory and assisted in the selection of Battelle

STEM scholarships. She turned the Cecil County "Girls Day in STEM" into an annual event that continues to grow in participation. The 2018 event was attended by approximately 125 students in grades six through eight, with numbers steadily increasing year over year. She contributes immeasurably to building a more diverse and talented workforce to compete in the challenging tomorrows of our global economy. As a mother of three young daughters, she assisted in the development of the annual Girls Day in STEM. Ms. Kauffman actively contributes to the American Foundation for Suicide Prevention and the March of Dimes Foundation.



Francis (Frank) Mayer
Mentor Award

Frank Mayer is giving back after retiring from military and civilian service. As a Certified Information Systems Security Professional (CISSP), Mr. Mayer serves as an Adjunct Professor and Career Navigator with Harford Community College's Cyber Security Program. He updated, maintained and expertly taught

Cybersecurity, Computer Forensics and introductory Network courses. He volunteers to prepare students for major defensive cyber operation training events at the Baltimore Cyber Range (BCR), and was the first professor in Maryland to prepare students and guide them through this actual hands-on training event. Mr. Mayer spends his free time taking students through the next steps in pursuing career opportunities and introduces them to professional associations, taking them on tours and to networking events that match students' talents with careers in government as well as in the private sector.



Wilbert Moultrie
Mentor Award

Wilbert Moultrie, a civilian engineer with the Army Public Health Center (APHC), serves as a resource to students of all ages and young professionals; and supports STEM programs across APG. Since 1990, he has been the primary APG organizer for Science Fair judging four to six schools per year for Harford,

Baltimore and Cecil County Public Schools. He also volunteers as a running coach, as a member of the National Society of Black Engineers, and as a "buddy" at Camp Erin/Camp Forget-Me-Not (a residential grief camp for school-aged children). Through the years he has coordinated personnel, competition judges, display booths and more for multiple STEM events. He has led teams in support of STEM & Beyond Nights, APG STEM Expo and STEM in Scouting, and has annually provided judging and awards for up to 10 science fairs in the region.



Tracey Schreiner
Mentor Award

Tracey Schreiner believes that learning about technology should be an inspiring experience. Ms. Schreiner spends her days working for DSA as a contractor for Aberdeen Proving Ground, developing learning opportunities in technology for adults. However, it is her work with TechGirlz, teaching middle

school girls about technology and, more importantly, helping them to envision themselves as technology leaders that has really inspired them. Ms. Schreiner and her colleagues at DSA, Inc. have developed a program based on the TechGirlz principles of encouraging girls to explore the possibility of technology with the goal of reducing the gender gap in technology-related fields. This program adapts the TechGirlz curriculum to the unique demands of after-school programs at the Harford County Boys and Girls Clubs, and has led these girls to code and design their own websites.



Caitlyn Byrne
Rising Star Award

Caitlyn Byrne has always been about taking apart and building things, though only recently can we say they "go back together again." As the MITRE Corporation's Lead Information Systems Engineer, she volunteers her time to assist high school robotic teams and ensures students not only build robots,

but have a deeper understanding of what they are building. Ms. Byrne often serves as a judge for the FIRST LEGO League and SeaPerch, an innovative underwater robotics program that equips teachers and students with the resources they need to build an underwater Remotely Operated Vehicle (ROV). She is an accomplished engineer and brings her skills to our students in an effective, firm, way that provokes them to learn. With the Tech Brick Robotics Teams, she assists the young women on these teams to engage in technology and learn how to use a wide range of tools.



Gina Fugate
Rising Star Award

As a Technology & Engineering Teacher at the Maryland School for the Blind, Gina Fugate volunteers to lead the school's FIRST LEGO League Team, DOT5U-DOGS. Ms. Fugate developed adaptive materials to help make the experience more accessible for these students. As a certified Teacher of the Visually

Impaired, Assistive Technology, Autism and English, Ms. Fugate has also collaboratively coached an additional team, 180 Optimum, as an outreach program for the school. This year Ms. Fugate has assisted incorporating Quorum, an open source accessible programming language, which allows students to directly write and manage their own code for LEGO Robotics competitions. In the spirit of generosity, her two teams invited West Virginia Schools for The Deaf and the Blind LEGO Geeks to learn Quorum and attend a joint qualifier competition



Matthew Kiefert
Rising Star Award

Matthew Kiefert has developed and delivered a one-day, hands-on Solar Energy program, "Making Light of Science," to all Cecil County Public Schools' fourth-grade classes. The program introduces students to the electromagnetic spectrum with emphasis on ultraviolet light. Students learn about UV indicators,

experiment with UV reactive beads and ultimately build and race solar cars. "Making Light of Science" is also aligned with the fourth-grade curriculum and serves as a natural lead into the Army Education Outreach Program's (AEOP's) Junior Solar Spring Program, which involves teams of middle school students designing and building solar race cars. Mr. Kiefert is the Outreach Coordinator for the U.S. Army Research Laboratory and Operational Program Lead for the AEOP's Gain in the Education of Mathematic and Sciences (GEMS) summer program.

CECIL COLLEGE



INNOVATION • INQUIRY • ANALYSIS • APPLICATION

*Educating the engineering
and math leaders of
the future...*

PLATINUM SPONSOR

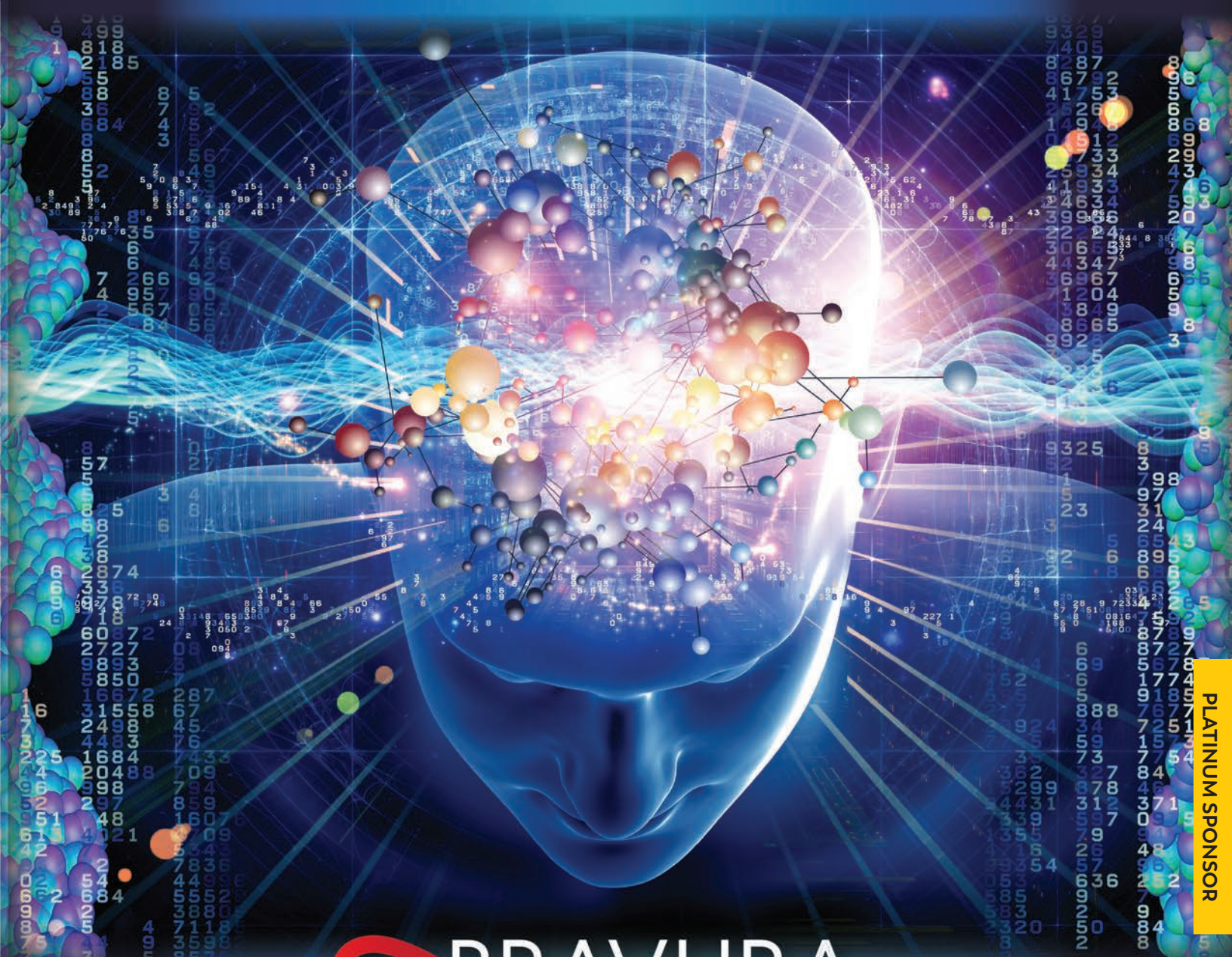


CALL OR VISIT US ONLINE TODAY
www.cecil.edu • 410-287-1000

Toll Free • 866-966-1001 • TTY • 410-287-2701

OWN YOUR FUTURE





PLATINUM SPONSOR



Bringing You the
Technology of Tomorrow

443-360-9500

209 Research Blvd., Suite 150 | Aberdeen, Maryland

www.BravuraInc.com

The Academy of Visionary Awards 2012 – 2019

Visionary Award

2019 Claudine Adams, Bravura Information Technology Systems – President and Founder
2018 Dr. Philip Perconti, U.S. Army Research Laboratory
2017 Dr. Mary Way Bolt, Cecil College
2016 Denise Carnaggio, Harford Community College
2015 C. Warren Mullins, Battelle
2014 Gary Martin, U.S. Army Communications-Electronics Command
2013 Dr. Diane Lane, Cecil College
2012 James Foulk, Chesapeake Testing and SURVICE Engineering

Leader Award

2019
Kathleen Kirk, DSA, Inc. – Senior Vice President, Strategic Solutions Group
Susan Manning, Freedom Federal Credit Union – Community Liaison,
Jamie Gurganus Ph.D, UMBC – Associate Director Mechanical Engineering
2018
Timothy Dominick, Orbital/ATK
Jim McNeely, Battelle (retired)/SURVICE Engineering
Al Horst, Harford Community College/Senior Science Society
2017
Joan Michel, Profile Partners
Dr. Patrick McNutt, U.S. Army Medical Research Institute of Chemical Defense
Dr. John Suárez, U.S. Army Communications, Electronics Research, Development and Engineering Center
2016
Christine Zatalava, Cecil County Public Schools
Dean John Mayhorne, Harford Community College
2015
Marco Ciavolino, Techbrick Robotics
Erica Fineman–Bertoli, U.S. Army Communications-Electronics Research, Development, Engineering Center
Louie Lopez, U.S. Army Research Development and Engineering Command
2014
Suzanne Milchling, U.S. Army Edgewood Chemical Biological Center
Frank Mezzanotte, Harford County Public Schools (retired)
2013
Joseph Wienand, U.S. Army Edgewood Chemical Biological Center
2012
Kathleen Kunda, Business Education Partnership Advisory Council, Cecil County
Dr. John Ferriter, ScD, SAIC

Innovator Award

2019
Martha Barwick Ed. D, Harford County Public Schools – Coordinator of Instructional Technology,
Charles Nietubicz, U.S. Army Research Lab (Ret.) – Director Supercomputing Resource Center
2018
Catherine (Katie) Hall, U.S. Army Research Lab
Alena Calm, U.S. Army Edgewood Chemical Biological Center
2017
Dr. Veronica Dougherty, Cecil College
Scott English, U.S. Army, Directorate of Public Works at Aberdeen Proving Ground
Marlene Lieb, Harford Community College (retired)
2016
Sarah Voskuhl, Science & Math Academy, Harford County Public Schools
Susan Kipp, Youths Benefit Elementary, Harford County Public Schools
2015
Andy Borzok, Cecil County Public Schools
Kimberly Nikitas, Battelle
Joseph A. Domanico, U.S. Army Edgewood Chemical Biological Center
2014
Dr. Pamela Lottero – Perdue, Towson University
Jeannine Finton, Harford County Public Library
2013
Mary Doak, U.S. Army Edgewood Chemical Biological Center
Dr. Nina Lamba, CCL Biomedical
Marty Healy, W.L. Gore
2012
Dean Deborah Wrobel, Harford Community College
Frank Cardo, Cecil County Public Schools

Mentor Award

2019
Tracey Schreiner, DSA, Inc. – Training Lead
Frank Mayer, Harford Community College – Adjunct Faculty Cybersecurity
Wilbert Moultrie, U.S. Army Public Health Center – STEM Coordinator
Carrie Kauffman, Battelle – Principal Research Scientist
Matthew Kiefert, U.S. Army Research Laboratory – Outreach Office Coordinator
2018
William (Bill) Chambers, NASA – Goddard
Stan Childs, STEM International
Dr. Michael Simini, U.S. Army Edgewood Chemical Biological Center
Virginia (Ginny) To, Parsons Corp, contract support to U.S. Army Research Laboratory
Dr. Drew Wilkerson, York College/U.S.Army Research Lab (retired)
2017
Anne Marie Baumann, Cecil County Public Schools
John Nierwinski, U.S. Army Materiel Systems Analysis Activity
Dr. Ebony Roper, Cecil College
Dick Schwanke, Senior Science Society at Harford Community College
2016
Dr. Rose Pesce-Rodriguez, U.S. Army Research Laboratory
Greg Fox, Northrup Grumman (Retired)
Kelly Mangum, Harford County Public Schools
Omar Savory, U.S. Army Communications, Electronics Research, Development and Engineering Center
2015
Dr. Bruce Burns, Senior Science Society at Harford Community College
Deidre DeRoia, Aberdeen Proving Ground
Dr. John McDonough, U.S. Army Medical Research Institute of Chemical Defense
Susan Ciavolino, Harford County Boys & Girls Club
Rick Moore, U.S. Army Edgewood Chemical Biological Center
Brad Ruprecht, U.S. Army Edgewood Chemical Biological Center
Lester Hitch, U.S. Army Edgewood Chemical Biological Center
2014
Suzanne Procell, U.S. Army Edgewood Chemical Biological Center
Anne Shade, Leidos
Dr. Robert Lieb, U.S. Army Research Lab (retired)
Dr. William Prins, ATK Missile Products Division
2013
Dr. Dave Brown, MITRE and Johns Hopkins University
Dr. Sandra Young, U.S. Army Research Lab, Harford Community College
Ted Welsh, SURVICE Engineering
2012
Tim Jahnigen, SAIC
Dennis Hiebert, Senior Science Society at Harford Community College
Dr. Douglas Cerasoli, U.S. Army Medical Research Institute of Chemical Defense
Shawn Bowen, U.S. Army Edgewood Chemical Biological Center

Rising Star Award

2019
Caitlyn Byrne, MITRE Corp – Lead Information Systems Engineer
Gina Fugate, MD School for the Blind, Lead Technology Teacher
2018
Kim McCarthy, U.S. Army Contracting Command
David Patrick, DSA, Inc.
Barbara Morton, Cecil College
2017
Alison Baranowski, Harford County Public Schools
Jerry Crabb, U.S. Army Research Development and Engineering Command
Jacqueline Wilson, Cecil College
2016
Kim Bowers, U.S. Army Communications – Electronics Command
Nicole McKew, U.S. Army Edgewood Chemical Biological Center
Jan Stewart, Hickory Elementary School, Harford County Public Schools
Christina Bryant, U.S. Army Test and Evaluation Command
2015
Katie McHenry, Youths Benefit Elementary School STEM Club
Breanne Sutton, ATK Missile Products Division
2014
Carmen Kifer, U.S. Army Chemical Materials Agency
Ann Bizzano, DPT, American Physical Therapy Association of Maryland
2013
Kimberly Williams, Cecil County Public Schools
2012
Jason Parks, Youths Benefit Elementary School, Harford County Public Schools



DRIVING
TECHNOLOGYSM
nmTC

Northeastern Maryland Technology Council

**JOIN
TODAY!**

The NMTC connects members:

Helps build their "Technology Pipelines"

- Connect major technology organizations with smaller, more innovative businesses.
- Introduce game-changing technology, disruptive tech summits, and their risks/rewards, to members.

Helps build their "Talent Pipelines"

- Build the STEM skilled workforce, fund library LEAP kits, to start STEM clubs.
- Ensure workforce training.
- Include community college presidents, public schools on NMTC Board.

Helps Build their "Revenue Pipelines"

- Work with Government officials to bring funding to the region.
- Host informative summits, workshops, events revealing unknown opportunities.



Visit our Sites for More Information

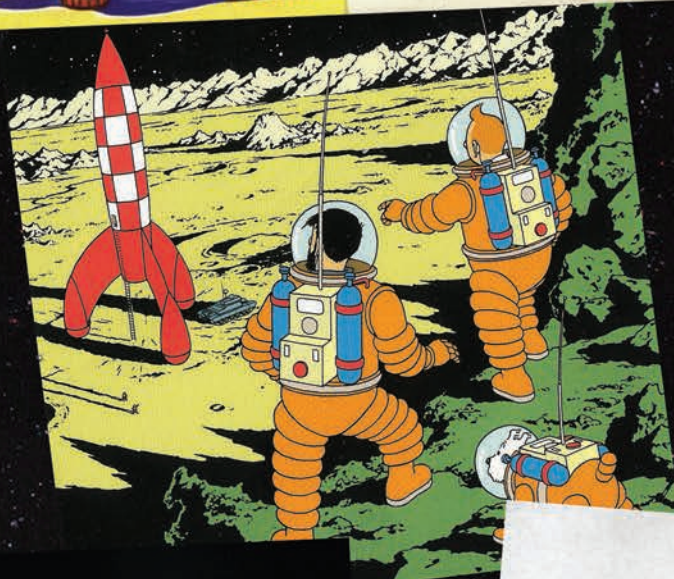
<http://facebook.com/nmtcconnect>

<http://nmTC.org>

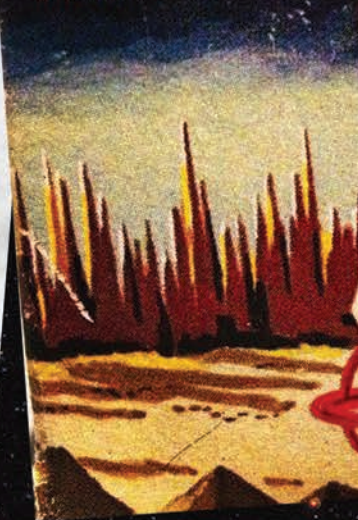
NMTC Hosted Events:

Tech Cafes
Disruptive Tech Summits
TECHCONN3CT Workshops
STEM Workforce Summits
GOLF4STEM Tournament
Tech Leadership Roundtables
Visionary Awards
WOW, World of Wine
Leader 2 Leader Social

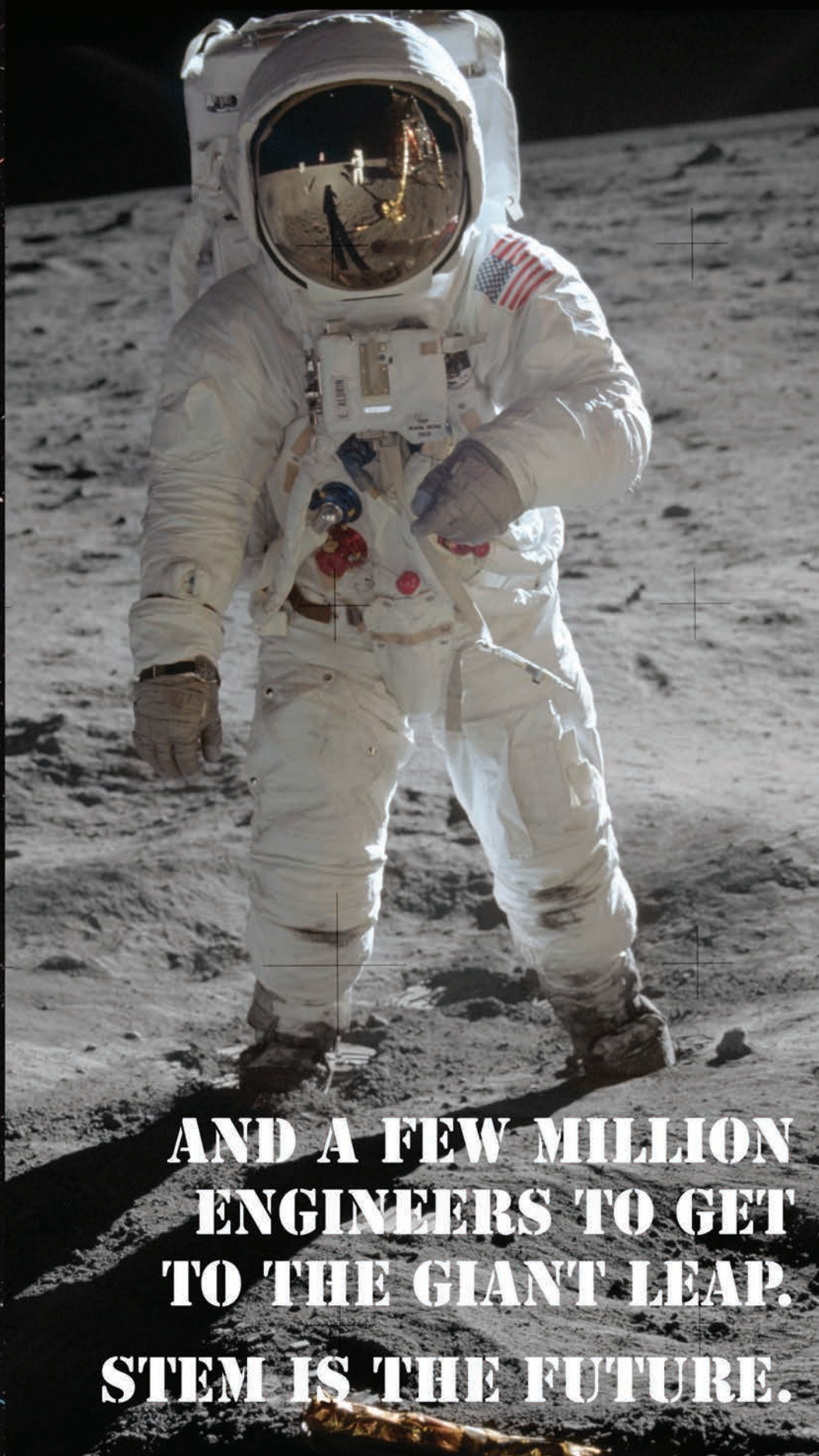
IT TOOK A FEW THOUSAND IDEAS TO IMAG



SPACE MAN
EXPLORING
USING GYRO
STABILIZER



ENGINE SPACE....



**AND A FEW MILLION
ENGINEERS TO GET
TO THE GIANT LEAP.
STEM IS THE FUTURE.**

NMTC Member and Regional Events:

■ **Informative Disruptive Technology Summits and follow-on technology workshops** Alerting you to the concerns and opportunities of emerging, often tipping-point technologies having the potential to seriously affect your business model—either putting it at risk, or presenting unexpected opportunity. These summits are organized, facilitated collaborations between NMTC members, technology company/organization leaders, and disruptive technology experts.

■ **Motivational Visionary Awards and Academy of Visionary Awards** Honoring the behind the scenes volunteers who build our STEM-educated workforce and create or advance technology to new heights of economic growth. These honorees are inducted into the Academy of Visionary Awards and invited to further share their valued experience and knowledge with the community at large, contributing to the growth of the STEM-based economy we live in.

■ **Community awareness and inspirational programs** These include STEM Clubs and soon-to-be-announced Tech Cafes for technology ranging from everyday personal use to the complex, algorithm-based business technologies that affect our family, home and career paths.

■ **Tech-Start Workshops** These workshops encourage and support technology entrepreneurs, guiding them through our customized, five-part process, offering inspiration, motivation and guidance to turn their ideas into a business enterprise.

■ **Tech Leadership Roundtable** Meeting third Fridays monthly, this is a masterfully facilitated peer business advisory group, exclusive to NMTC members, and populated by leaders, owners and key executives of technology businesses seeking to expand their growth.

■ **GOLF4STEM Tournament** Coming June 3, 2019, our collaborative networking event connects the key influencers in our region on an informal, and yes, fun-filled day with always an interesting, intertwined use of the latest technology.

■ **World of Wine** This event will be held September 4, 2019. Its acronym, WOW, aptly describes the experience. Hundreds in the community gather to enjoy the dozens of select wines and bourbons poured by your friends. Once again it will be held at La Banque Seaplane Base, Havre de Grace.

New for 2019, NMTC offers even more

■ **Tech Cafes** This experience features an informal networking environment wrapped around a short, modified TED talk with complimentary coffee. You will gain knowledge that helps you navigate, comprehend, guard against and purchase the complex and ever-changing technologies affecting your personal, family, career or business lives, from everyday personal-use technology, to complex, algorithm-based business technology.

■ **Four STEM Scholarships** NMTC, through the generosity of Bravura Information Technology Systems, is offering four \$5,000 scholarships to young women who are graduating high school seniors pursuing a four-year degree in a STEM field.

■ **Expanded Technology Directory** This is a new cyber section identifying contributors to cyber development in NE Maryland and offering additional helpful categories.

■ **Leader 2 Leader Social** The Leader Social brings together influential leaders to create future NMTC programs.



FEDERAL GOVERNMENT
CONTRACTORS

Palumbo Insurance Associates

Your Protection is our Mission

- + Defense Base Act (DBA)
- + Government Immunity
- + Errors & Omissions
- + Cyber Liability
- + Directors & Officer

Also Covering Organizations Specializing In:
Information Technology • Medical/Biotechnology
Electronics • Communications • Consulting

**Insurance doesn't matter...
until it does.**



office | 111-C Fulford Avenue
Bel Air, MD 21014
410.836.8591
palumboinsassoc.com



APG Discovery Center

Where learners of
all ages explore,
experience, invent,
create, and learn
about technology
connected to APG.



Coming 2022

Preview Center
Opening 2019

Congratulations to
APG Discovery
Center board
members Charles
Nietubicz and Sue
Manning! We are
grateful for your
enormous
contributions to our
community.



EDUCATION TECHNOLOGY HERITAGE

Mailing Address:
2021-D Pulaski Highway
Havre de Grace, MD 21078
www.apgdiscovery.com
info@apgdiscovery.com
Facebook: /apgdiscovery
Twitter: @apgdiscovery



Brands that deliver
for every stage of business

BUILD | THRIVE | EXIT

BRANDING • CREATIVE • WEB • MARKETING • DIGITAL

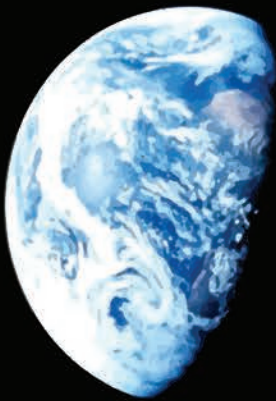
PROUD SPONSOR OF NMTC

844.527.2633 | brand3.net

**enktesis*

** building value
developing ideas*

enktesis.com



A World of Experience and Expertise in Technology and Marketing

*enktesis is a private consultancy, led by Marco Ciavolino, assisting clients in a wide range of web technology solutions, marketing communications, business development, and research efforts.

- Website design and development featuring JOOMLA and WordPress
- Website conversion from old platforms
- Publication design and production
- Copywriting
- Packaging design and management
- Publication design and production
- Photography
- Video production
- Strategic planning and business development
- Graphic design
- Direct mail
- Outdoor advertising
- Research, development, and analysis of software solutions
- Business strategy and analysis
- New business idea development and entrepreneurship

Advantages of working with Enktesis

- Broad range of experience in all web and marketing related areas
- Reduced costs and rapid return on investment
- Comprehensive understanding of web technologies
- Systematic management of assets including domain names, web servers, and graphic design elements and resources

FREE PUBLICATIONS

- Definitive Photo Guide Events
- Subjects that will Change Your Digital Life

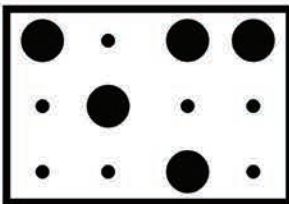
Marco Ciavolino
marco@enktesis.com
Enktesis, LLC
Forest Hill, MD 21050-2508
office 410-838-8264
<http://www.enktesis.com>

enktesis and the robot mats family of companies are subsidiaries of XCORP2014, LLC



Empower Matssm

empowermats.com



Congratulations to Gina Fugate who is being honored as a Rising Star for her consistent, innovative work on behalf of Maryland's blind and sight impaired students in technology and engineering.



The Maryland School for the Blind
ACHIEVING INDEPENDENCE

Empower Mats facilitates the participation of blind or visually impaired students in competitive robotics programs. Youth with visual disabilities have been at a disadvantage because most products are designed with only sighted youth in mind. The goal of Empower Mats is to give youth with a variety of disabilities an opportunity to participate in mainstream STEM programs.

TECHBRICK ROBOTICS

Congratulations to Caitlyn Byrne, from MITRE Corporation, who is being honored as a Rising Star for her ongoing, effective contributions to our STEM workforce as a mentor for TechBrick and her willingness to share her expertise and resources with our students.



MITRE

TechBrick is an independent robotics and STEM education program for home schooled, public, and private school students providing contiguous STEM programs since 2004.

techbrick.com.



BELONG TO SOMETHING SPECIAL

Where you live, work, volunteer, worship, attend school or have family is special. Where you bank should be too.

Freedom Federal Credit Union offers a full-line of financial products, superior customer service, and a credit union experience that prioritizes you.

See all that Freedom has to offer.

FREEDOM
FEDERAL CREDIT UNION

Belong To Something Special

freedomfcu.org • 800-440-4120



Edgewood • Forest Hill • Bel Air (Rt. 22)
Bel Air (Emmorton Rd.) • Havre de Grace

I95 BUSINESS

BUILDING BALTIMORE BUSINESS

Let Us Tell Your Story



Some things just belong together.

Your content and **I95 BUSINESS** are a perfect match.

We help brands propel their stories into the marketplace.

We provide a bigger network, engaged readers and the ability to elevate your story beyond your own connections.

GET FOUND ► GET CONNECTED ► GET LEADS

WORDS MATTER®

I95 BUSINESS | 410-584-9960 | info@i95business.com | [f](#) [t](#) [in](#) [ig](#)



Congratulations 2019 NMTC Visionary Awards Honorees

 **belong here.**

We're your community credit union,
serving all who live, work, worship,
volunteer, or go to school in
Harford and Cecil counties.

Join today!
apgfcu.com
410-272-4000

Federally insured by NCUA
Membership eligibility applies

*Congratulations
on your award!*

Your dedication and
enthusiasm inspire us all



 **KUZMA**
Technical Enterprises

TECHNICAL CONTENT WITH A MISSION

Documentation and Training Specialists
Military * Manufacturing * Industrial Trades



**TOWSON
UNIVERSITY**

Computer and Information Sciences

***Promoting academic excellence in
technology, research, and innovation***

Undergraduate Programs

B.S. Computer Science

B.S. Information Systems

B.S. Information Technology

Graduate Programs

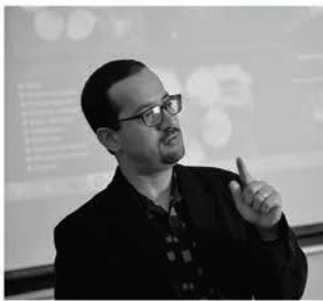
M.S. Computer Science

M.S. Applied Information Technology

D.Sc. Information Technology



CyberCorps
Defending America's Cyberspace



www.towson.edu/cis

@tu_cis



Making cities smarter

Eradicating deadly disease

Investing in our community

Improving patient outcomes

Protecting our troops



battelle.org

BATTELLE

It can be done



A division of Mindgrub Technologies

Intelligent, reliable digital solutions for the public sector



Mobile Development



Web Development



Managed Services



Team Augmentation



User Experience
Design



Digital Marketing



Virtual/Augmented
Reality



Systems Integration



Emerging Technology

Clutch

2018 Top 1000 Global Agencies | Top Mobile Developers | Top Web Developers

Let's connect. Visit gov.mindgrub.com today.



RTR TECHNOLOGIES

Congratulates NMTC's 2019
Visionary Award Winners,
Especially Bravura's & NMTC's
Own Claudine Adams



Healthcare



Manufacturing



Supply Chain
Logistics

THE UMBC COMMUNITY CONGRATULATES

DR. JAMIE GURGANUS
NMTC VISIONARY LEADER AWARD WINNER

FOR HER CONTRIBUTIONS THAT INSPIRE
AND DEVELOP TOMORROW'S STEM LEADERS

UMBC
umbc.edu

