MARYLAND
TECH COUNCIL
ADVANCING LIFE SCIENCES AND TECHNOLOGY

DIGITAL
TRANSFORMATION
SUMMIT

#MTCDigiSummit2022

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THANK YOU FOR ATTENDING

Friends,

Welcome to the Maryland Tech Council's third annual Digital Transformation Summit. After two years of successful virtual summits, we are especially excited to gather in person as a community today.

We have all experienced a massive acceleration in digital transformation over the past two years, be it helping our customers or within our own organizations. From team collaboration to sales and marketing, organizations across the globe are reinventing how they use technology to improve customer experiences and business outcomes.

But digital transformation transcends the pandemic. It is the central question guiding how organizations and their stakeholders interact in the future. Nearly two-thirds (64 percent) of companies surveyed by McKinsey & Company in 2021 said they must build digital businesses just to remain viable. So, will the Metaverse be your customer center in the future? Will customers from different backgrounds and interests get equal value from your digital experience?

Today's Digital Transformation Summit will explore these pressing questions and many more, including the future of 5G in Maryland, digital twins in health care, and cool emerging technology.

Enjoy a full day of engaging panel sessions led by industry experts, meet with solution providers in the exhibit hall, hear from Secretary Mike Gill of the Maryland Department of Commerce, and make connections with fellow attendees before capping off the day with a cocktail reception.

Our hope is that you leave today's summit better positioned to meet your business goals now, and better prepared to improve your business outcomes in the future.

On behalf of the Maryland Tech Council, thanks for joining us.

Marty Rosendale
Chief Executive Officer
Maryland Tech Council

David Tohn
Chair, MD Technology
Chief Executive Officer
BTS Software Solutions

8:00 AM - 9:00 AM　　**Registration and exhibits open; continental breakfast and networking**

9:00 AM - 10:00 AM

Welcome
Marty Rosendale, Chief Executive Officer, Maryland Tech Council

Opening Remarks
David Tohn, Chair, MD Technology and Chief Executive Officer, BTS Software Solutions

Keynote Address
Overview of Maryland's Current Economy and Anticipated Growth Statewide
Dr. Anthony Cristillo, Partner, Guidehouse

Mike Gill, Secretary, Department of Commerce

Closing Remarks
Todd Marks, Maryland Tech Council Board Chair, Chief Executive Officer, Mindgrub

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10:00 AM - 10:45 AM

SESSION 1
What is the Metaverse and what will it become?
You have heard a lot about the Metaverse, but what is it really? Come hear about the innovators, technologies, and uses of the metaverse. Learn from experts who have been pioneering experiences in AR, VR, Social, Gaming, and Mixed Reality, and from those growing new enterprises in this exciting space. Learn how you can personally leverage the metaverse, the underlying technologies, and where this is all going.

MODERATOR
Todd Marks, Chief Executive Officer, Mindgrub

PANEL
Jesse Alton, Co-Chair, Open Metaverse Interoperability Group (OMI)
Will Gee, Chief Executive Officer, Balti Virtual
Rob Koch, Associate Director of Mobile Engineering, Mindgrub
Rick Williams, Game Development Consultant, Hey ZRO

11:00 AM - 11:45 AM

SESSION 2
5G: Cutting edge technologies across industries
5G is accelerating innovation across industries and unlocking growth for Maryland's economy. Panelists address how the future of their industry is changing as a result of next generation networks. See how you too can leverage innovations and the power of wireless networks—and what still needs to be done in our state to unlock its full potential and realize the promise of 5G.

MODERATOR
Laura Toraldo, Executive Director, MD5G Partnership

PANEL
Chris Carroll, Director External Affairs, AT&T
Carly Didden, Government Affairs Manager - East Area, Crown Castle
Dr. Sean Duffy, Regional Medical Director, Concentra
Mike Foss, Vice President - Mobility, Vision Technologies
Paul Lennon, Chief Technology Officer, Skyline

12:00 PM - 1:00 PM

SESSION 3
Networking lunch

1:00 PM - 1:45 PM

SESSION 4
Improving Customer Experience through Inclusive Design
People use digital technology to access a wide variety of services from public utilities, news and museums, to health insurance. Often the people making decisions do not represent the backgrounds and interests of their customers. Our panelists represent a wide variety of services and will address the challenges they face to make them more inclusive. During this panel discussion, our experts will share examples and ideas for how to apply Inclusive Design practices when delivering digital products and services.

MODERATOR
Jordan Watts, Director of Design, Fearless

PANEL
Chris-Anne Correa, Principal Product Designer, Exelon
Shannon Hosmer, Director of Research and Experience Design, Mindgrub
Christine Jackson, Director of Digital Strategy, National Aquarium
Solomon Scott, Engineering Lead, Washington Post

2:00 PM - 2:45 PM

SESSION 5
Digital Twins with Health Focus
The increasing use of digital twins in the healthcare industry has led to some truly remarkable breakthroughs. Among other innovative applications, digital twins are being used by health organizations around the world to fulfill the promise of personalized medicine by allowing physicians to leverage data and numerous variables to model the best course of treatment for a particular patient. And yet, even greater potential exists. Research into use of digital twins has been expanding to new areas of care, including: drug and medical device development, disease modeling, advanced modeling of the human body, and hospital operations. During the discussion, we plan to explore potential use cases, impacts, and challenges across the health ecosystem.

MODERATOR
Dr. Anthony Cristillo, Partner, Guidehouse

PANEL
Dr. Shireen Atabaki, Healthcare Systems, Children's National Hospital
Elizabeth McNamara, MHA, Health IT Professional
Dr. Chung Hyuk Park, Professor, George Washington University

3:00 PM - 3:45 PM

SESSION 6
Cool Emerging Tech
Technology is always changing and improving areas that will have visible and tangible impacts on peoples' lives. Join our panel of experts to hear about their cool and emerging technologies including AI-based digital technology that identifies and quantifies the phenotypes of diverse children with genetic disorders; a platform for rapid antibiotic sensitivity testing, and more.

MODERATOR
Troy A LeMaile-Stovall, Chief Executive Officer, TEDCO

PANEL
Mustafa Al-Adhami, Chief Executive Officer, Astek Diagnostics
Sue Carr, President, CarrTech
Brad Kronthal, Co-Founder, Alloy Sports
Dr. Marius Linguraru, DPhil, Principal Investigator, Children's National Hospital

4:00 PM - 5:30 PM   **Cocktail reception**

DIGITAL
TRANSFORMATION SUMMIT

#MTCDIGISUMMIT2022
SPEAKERS

MARYLAND
TECH COUNCIL
ADVANCING LIFE SCIENCES AND TECHNOLOGY

Mustafa Al-Adhami, Ph.D.
Chief Executive Officer, Astek Diagnostics

3:00 PM - 3:45 PM
SESSION 6
Cool Emerging Tech

Mustafa Al-Adhami Ph.D., CEO, Astek Diagnostics. Mustafa envisioned the technology behind Eugris while completing his PhD in Mechanical Engineering. As a doctoral student, he won the national Three Minute Thesis (3MT) competition, Baylor business plan elevator pitch competition, and VentureWell's BMEidea competition. Mustafa has raised over $1M for Astek to date to revolutionize antibiotic prescription. Prior to moving to the United States, Mustafa had worked as a robotics engineer at FH Deggendorf in Germany and later as market researcher at Independent Institute & Administration Civil Society Studies in Jordan.

Jesse Alton
Co-Chair, Open Metaverse Interoperability Group (OMI)

10:00 AM - 10:45 AM
SESSION 1
What is the Metaverse and what will it become?

Jesse Alton is a product strategist, advisor, and open source maintainer, with a passion for the Open Metaverse. Jesse founded AngellXR, a Metaverse incubation community, which is currently incubating projects such as the Open Metaverse Interoperability group (OMI). OMI is an open-source collective of industry professionals, independent creators, and passionate enthusiasts building interoperable technology together. Jesse serves as co-chair of OMI, provides guidance and mentorship to metaverse founders and investors, works at Fearless as a Product Manager, and MICA as an adjunct professor.

Dr. Shireen Atabaki
Healthcare Systems, Children's National Hospital

2:00 PM - 2:45 PM
SESSION 5
Digital Twins with Health Focus

Shireen Atabaki, M.D., M.P.H., is a physician in Children's National Emergency Department. She is also Professor of Pediatrics and Emergency Medicine at George Washington University School of Medicine and Health Sciences. Dr. Atabaki's area of expertise is in concussion and knowledge translation.

Through her work, Dr. Atabaki has brought national and international recognition to pediatric concussion. She received the National Heroes Award for Research, awarded by the Maternal Child Health Bureau, for her leadership in research to reduce unnecessary CT scans and radiation in children with traumatic brain injury.

Dr. Atabaki leads the HITS for Kids Program (Health IT Solutions for Kids), a national initiative to improve concussion care for children by knowledge translation of evidence-based medicine harnessing health IT. The program brings the best medicine to the doctor and health team at the patient's bedside, to provide the best medical care to children and engage healthcare providers in mindful medicine.

Dr. Atabaki is a member of the federally funded Pediatric Emergency Care Applied Research Network Steering Committee and founded and chaired the Concussion Working Group for that network. She serves on the board of the Big Data Analytics in Health Conference, (Singapore, 2014), guiding the future in big data research. She is a member of the American Academy of Pediatrics, Society for Pediatric Research and Councilmember of the American Federation for Medical Research.

Sue Carr
President CarrTech

3:00 PM - 3:45 PM
SESSION 6
Cool Emerging Tech

Sue Carr RPh is President and Founder of CarrTech Corp., a medical device company. CarrTech has developed, patented, and prototyped, an all-in-one package one needle filter device that will increase safety and compliance while reducing time and waste. Sue has over 30 years' experience in the pharmaceutical industry in both retail management and clinical hospital pharmacy, specializing in ICU, ER, Oncology, and NICU. Sue is a board member of WMSHP (Washington Metropolitan Society of HealthCare Professionals) and delegate for WMSHP/ ASHP (American Society of Health-System Pharmacist). Sue has graduated from incubators, accelerators, I-Corps, and leadership cohorts. Sue has received numerous awards including "Spotlight Pharmacist of the Year '' from her peers at WMSHP, Emerging Life Science Company of the year by Maryland Tech Council, D.C live Red-Hot Entrepreneur and Power Woman of Tech. Sue saw a problem with an antiquated system of filtering injectable based ampoules and developed FROG (Filter Removal of Glass), a safer, more efficient, cost effective, way of administration. CarrTech's mission is to improve healthcare for all.

Chris Carroll
Director External Affairs, AT&T

2:00 PM - 2:45 PM
SESSION 5
Digital Twins with Health Focus

Christopher serves as a Regional Director - External & Legislative Affairs for AT&T Services, Inc. In this role, he advances AT&T's legislative, regulatory, and external affairs agenda in the District of Columbia and Maryland. Prior to joining AT&T, Christopher served in Maryland state government where he was Policy and Legislative Director to Governor Larry Hogan, and most recently as Chief-of-Staff for the Maryland Department of Information Technology.

Chris-Anne Correa
Principal Product Designer, Exelon

1:00 PM - 1:45 PM
SESSION 4
Improving Customer Experience through Inclusive Design

Chris-Anne's interest in UX and inclusive design sparked when she noticed an inaccessible classroom technology and collaborated with the impacted student to redesign it. The company was receptive to the proposed solution and after seeing the real-world impact accessibility could make for all people, her passion grew. She acquired her Masters in Human-Centered Computing from the University of Maryland, Baltimore County (UMBC) where she nurtured her keen interest in inclusive product design and digital accessibility.

She has led the user experience of a diverse set of websites and mobile applications for companies including Exelon, Johns Hopkins University, and Stanley Black& Decker. She is currently a Principal Product Designer at Exelon where she continues to champion designing inclusively for millions of utility customers while empowering her team with the resources and tools to do the same. She also guest lectures at UMBC on the topics of accessibility and user research to inspire students to design responsibly and inclusively.

Dr. Anthony Cristillo
Partner, Guidehouse

2:00 PM - 2:45 PM
SESSION 5
Digital Twins with Health Focus

Dr. Anthony Cristillo has comprehensive knowledge and 25 years of experience in biomedical research focused on the development of vaccines, therapeutics, and diagnostics targeting infectious and non-infectious diseases. In addition, Dr. Cristillo has more than 15 years of experience serving as Principal Investigator, Co-Principal Investigator, Program Director, and Project Manager in support of federal government and commercial contracts. Dr. Cristillo's advanced education in business administration complements his technical education and experience as well as his P&L, program/project management, budget setting and tracking, strategy and operations planning, and business development experience. He has applied his theoretical and practical knowledge of bioinformatics, data management systems, programming languages, and other aspects of information systems to develop, implement, and leverage pre-clinical and clinical information management systems for biomedical research. In support of pre-clinical, non-clinical/IND-enabling, and human clinical studies, he has overseen all aspects of the study execution including protocol development, MOPs development, study implementation, and data analysis. He has provided technical and administrative leadership for programs in the research areas of immunology, infectious disease, and immuno-oncology.

Carly Didden
Government Affairs Manager - East Area, Crown Castle

11:00 AM - 11:45 AM
SESSION 2
5G: Cutting edge technologies across industries

Carly Didden leads Maryland and Washington D.C. state and local Government Affairs for Crown Castle, a provider of communications infrastructure that connects cities and communities to essential data, technology and wireless service. She develops and executes legislative and regulatory affairs solutions for acquiring jurisdictional entitlements to construct communications infrastructure, including towers, small cells and fiber. Ms. Didden has extensive knowledge of state and federal communications regulations gained from 25+ years of advising Fortune 100 communications and technology clients. She earned her law degree with a certificate in communications law studies from Catholic University, a master of business administration from American University, and a bachelor of arts from Boston University.

Dr. Sean Duffy
Regional Medical Director, Concentra

11:00 AM - 11:45 AM
SESSION 2
5G: Cutting edge technologies across industries

Dr. Duffy completed his medical school education at Nova Southeastern University College of Osteopathic Medicine. He then completed his Internal Medicine residency at Walter Reed Army Medical Center. Upon completion of residency and achieving board certification he then served as a physician in the U.S. Army. His introduction to the practice of Occupational Medicine was during his tour of duty where he served as the Battalion Surgeon for the Warrior Transition Brigade.

Upon his transition from Soldier to civilian in 2015, he began his career with Concentra. He currently serves as the Director of Medical Operations for Maryland and Northern Virginia, overseeing clinical care delivery of our medical centers and on-site locations in the region.

Mike Foss
Vice President - Mobility, Vision Technologies

Mike is a BICSI certified RCDD and TPMA Certified Wireless Project Manager with 34 years of experience in the Wired and Wireless industries. He has grown his career from a Technician Assistant through leading large teams for some of the largest communications firms in the industry. He has extensive knowledge in Distributed Antenna Systems (DAS), small cell, structured cabling, fiber optics, antennas and lines, and networking. As the Business Unit Manager at Vision Technologies, Mike oversees the technical offerings including DAS, Public Safety, WiFi, and Networking practices. As a father of three and grandfather of three, Mike spends much of his time with family and enjoying the outdoors.

11:00 AM - 11:45 AM
SESSION 2
5G: Cutting edge technologies across industries

Will Gee
Chief Executive Officer, Balti Virtual

Will Gee is the co-founder and CEO of Balti Virtual, a full-service studio focused on building best-in-class augmented reality (AR) and virtual reality (VR) experiences. Since 2015, the Baltimore-based team has worked with partners including HBO, Marvel, Northrup Grumman, Hallmark, Under Armour, and PayPal. Before Balti Virtual, Will has worked in gaming and 3D graphics for over 25 years, beginning in the video games industry at Microprose Software in 1997.

10:00 AM - 10:45 AM
SESSION 1
What is the Metaverse and what will it become?

MTC UPCOMING EVENTS

MDTECHCOUNCIL.COM

BCTF Executive Insight Series - Digital Communications Strategy with Andrew Woods
THURSDAY, APRIL 7, 2022

How to Win the Economic Competitiveness Battle
WEDNESDAY, APRIL 13, 2022

Coffee with the CEO
TUESDAY, APRIL 19, 2022

Industry Awards Celebration
THURSDAY, MAY 12, 2022

MTC's Annual Golf Tournament
MONDAY, MAY 16, 2022

MTC Executive Series: Artificial Intelligence & Machine Learning
TUESDAY, MAY 24, 2022

Maryland Life Sciences Bio Innovation Conference
OCTOBER 3+4, 2022

Mike Gill
Secretary, Department of Commerce

9:00 AM - 10:00 AM
Keynote Address Overview Of Maryland's Current Economy And Anticipated Growth Statewide

Secretary Mike Gill is a business leader with four decades of experience as an entrepreneur, technology executive, investment banker, and public servant. He was tapped by Governor Larry Hogan in 2014 to lead the Maryland Department of Commerce as its first-ever Secretary and was asked by the Governor to again lead the Department in December 2021.

Mike led the transition to Maryland Commerce in October 2015 and spearheaded a major cultural shift in the way the department interacted with its partners, stakeholders and customers. Under Mike's leadership, Commerce created an aggressive customer outreach effort, expanded its business development team, and increased emphasis on Maryland's growth industries, including life sciences, cybersecurity, advanced manufacturing, as well as higher education. Mike chairs the Commerce Subcabinet, which is made up of seven state agencies that connect regularly with the business community and sits on the board of the Maryland Public-Private Partnership (P3) Marketing Corporation, which was created to help drive the state's branding and marketing efforts.

Mike began his career in 1974 at IBM, where he served as an account manager, regional specialist, and sales school instructor for the company's Office Products and General Systems Division. He left IBM to join Ernst & Young as a Regional Director of Data Systems. In 1984, Mike founded AMERICOM, a wireless communications company that grew to more than 1,200 team members before it was acquired by Solectron in 2000. Mike also co-founded First Page USA Inc., which was later acquired by Metrocall. He was also a key member of the team that acquired leading regional power generator firm Curtis Engine.

Mike most recently served as chairman and principal of Evergreen Advisors, a Mid-Atlantic middle market investment bank that has completed over 100 M&A and capital raising transactions, totaling over $5 billion in value for publicly traded and privately held companies. He is also Chairman of the Board of Directors of St. Joseph's Medical Center (part of University of Maryland Medical System).

Mike was chairman of the Towson University Board of Visitors, a member and former chair of the audit committee for the University System of Maryland Board of Regents, and a member of the Clemson University President's Advisory Board. Mike has twice been recognized as a "Most Influential Marylander" by The Daily Record, and he also is a past recipient of the Baltimore County "Good Scout" award. In 2021, he was named to the Baltimore Sun's Business and Civic Hall of Fame.

Gill earned his B.S. in business administration from Towson University in 1974 after first attending Clemson University on a baseball scholarship. He was awarded an honorary Doctor of Humane Letters degree by Towson University in 1996.

Shannon Hosmer
Director of Research and Experience Design, Mindgrub

1:00 PM - 1:45 PM
SESSION 4
Improving Customer Experience through Inclusive Design

Shannon leads a creative team that specializes in user research, experience design, and interactive visual design. Her team excels at translating abstract requirements into elegantly connected systems that enshrine and make manifest the needs of users and businesses. Shannon's team works closely with clients to build highly usable, experientially delightful, and commercially viable websites and mobile applications.

Shannon has over 9 years of industry experience and has worked with numerous commercial, government, and academic clients such as Exelon, NASA, the University of Maryland, Unisys Weather, and Maryland Auto Insurance. She holds a MS from UMBC in Human-Centered Computing and a BA in Fine Arts from Illinois Wesleyan University.

Christine Jackson
Director of Digital Strategy, National Aquarium

**1:00 PM - 1:45 PM
SESSION 4
Improving Customer Experience through Inclusive Design**

In her role as director of digital strategy, Christine leads the National Aquarium's effort to build marketing projects with a "digital first" mindset, while also maintaining consistent and accessible user experiences across all channels. By collaborating with content, IT, and visual productions, Christine and her team strategically expand the Aquarium's digital reach by growing email communication lists, experimenting with new products in the building, maintaining and enhancing the main website, and troubleshooting and improving the user experience on the eCommerce pages of the website.

Christine has extensive experience in "wearing all the hats" when it comes to digital marketing. Having worked on both the backend and the front end of digital marketing projects, she understands the process holistically. She considers herself a "digital translator," and when it comes time to explain the nerdy backend of a project to non-technical colleagues, Christine is the person most often asked to connect the dots for everyone.

Before her five years at the Aquarium, Christine worked for Congressman John Sarbanes' re-election campaign and assisted in setting up his leadership PAC. During her time with the Congressman, she maintained all social channels, websites, email systems, and donation platforms. She also helped with organizing over 74 grassroots fundraisers and created over 50 local teams to set up phonebanks and door knock canvases.

Brad Kronthal
Co-Founder, Alloy Sports

Brad Kronthal is the Chief Operating Officer and Cofounder of Alloy. He leads Alloy in customer acquisition, content strategy and business development. Brad's background is in live sports production. He worked on the Baltimore Orioles broadcasts on MASN and most recently a daily sports betting show on the Monumental Sports Network in Washington, D.C. Brad is a graduate of the University of Maryland.

**3:00 PM - 3:45 PM
SESSION 6
Cool Emerging Tech**

Paul Lennon
Chief Technology Officer, Skyline

**11:00 AM - 11:45 AM
SESSION 2
5G: Cutting edge technologies across industries**

Paul Lennon oversees Skyline Technology Solution's National IT service delivery division responsible for consulting, engineering, and operations. He consults commercial and public sector customers with the development of their strategic direction and the associated technology innovation, people education/development, and operational process improvements.

He is responsible for delivering IT-driven solutions related to Enterprise and Service Provider Network Services, Physical Plant (fiber) management, Information Technology Security and Assurance, and Public and Private Cloud. He has served as an Enterprise Architect of Maryland's Statewide Broadband buildout initiative resulting in more than 1,200 fiber miles and providing lit telecommunications infrastructure to deliver network services to over 1,000 State and County Community Anchor institutions.

Additionally, he supported initiatives to implement the State's unified IT Enterprise Architecture integration of over 30 State agencies into a unified IT Services delivery model. He supported the development and implementation of the Maryland Department of Transportation's underlying communications and cybersecurity architecture for their ITS initiatives. He has 24 years of experience providing consulting, operations management, and program management of developing and managing business-centric IT solutions in support of Departments of Transportation, Statewide Information Technology Initiatives, local and municipal government, and the commercial sector.

Dr. Marius Linguraru
DPhil, Principal Investigator, Children's National Hospital

**3:00 PM - 3:45 PM
SESSION 6
Cool Emerging Tech**

Marius George Linguraru, DPhil MA MSc loves working with multidisciplinary teams of clinicians, scientists, and engineers to help children and patients with rare diseases stay healthy anywhere they are. He is Principal Investigator in the Sheikh Zayed Institute for Pediatric Surgical Innovation at Children's National Hospital in Washington, DC, where he directs the Precision Medical Imaging Group. Dr. Linguraru is also Professor of Radiology and Pediatrics and Secondary Professor of Biomedical Engineering at George Washington University. He co-founded PediaMetrix LLC, a company focused on infant well-being by creating solutions to improve the management of conditions of early childhood. He joined the Sheikh Zayed Institute from the National Institutes of Health, completed his doctorate at the University of Oxford and held fellowships at the French National Institute for Research in Digital Science and Technology (INRIA) and at Harvard University. He has served on Boards and Committees of the Medical Image Computing and Computer Assisted Intervention Society, the IEEE Engineering in Medicine and Biology Society, the IEEE Signal Processing Society, and the International Society of Medical Information Processing and Analysis.

Todd Marks
Chief Executive Officer, Mindgrub

**10:00 AM - 10:45 AM
SESSION 1
What is the Metaverse
and what will it
become?**

Todd Marks, two-time EY Entrepreneur of the Year nominee, member of Baltimore magazine's 40 under 40, and one of The Daily Record's Most Admired CEOs of 2021, is the founder and CEO of Mindgrub Technologies. Mindgrub, a member of the Inc. 5000 for nine years running, is a technical agency and creative consultancy that specializes in award-winning mobile, web, and marketing solutions. Marks founded Mindgrub in 2002 and has since overseen projects for clients such as Exelon, Wendy's, DELL, Under Armour, Yamaha, Crayola, Geico, The Economist, University of Maryland, and NASA. Todd began his professional career teaching Math and Computer Science in Maryland. With the dot-com bubble at a high in 2000, Todd took the leap and started a digital agency focused on websites and eLearning.

Mindgrub's growth skyrocketed after Apple's introduction of the iPhone in 2007, and under his leadership, the company became one of the first mobile development agencies in the mid-Atlantic. His hard work and vision paid off, as Mindgrub has grown to over 175 employees and has become a leader in its industry.

Marks, an experienced speaker and futurist, has shared his vision for innovation in technology and business at conferences such as SXSW, Adobe Max, and Mobile World Congress, and has been profiled in The Huffington Post, CNN, and Newsweek. He is chair of the Maryland Tech Council and has provided strategic direction for many public/private initiatives, including the Maryland Business Relief Wizard, an online tool released in early 2020 to help businesses better understand how to navigate federal, state, and local aid programming. He also serves as a member of the Northeastern Maryland Technology Council Board of Directors, the Economic Alliance of Greater Baltimore, the Northern Virginia Chamber of Commerce, the Connected DMV Regional Economic Development Strategy (REDS) Steering Committee, the Young Presidents' Organization, and the Loyola University MBA Program advisory board.
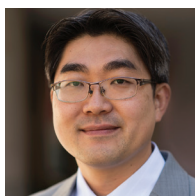
Elizabeth McNamara, MHA
Health IT Professional

2:00 PM - 2:45 PM
SESSION 5
Digital Twins with Health Focus

Elizabeth McNamara is a results driven Health IT Professional with over 15 years of increasing responsibility and a proven track record in the planning, development, and implementation of complex health information technology applications and solutions. Her service-oriented leadership style is based on collaboration with stakeholders, users and vendors, effective organizational skills, a disciplined delivery methodology, and the ability to build strong relationships and trust that enable accountability and influence necessary to drive business solutions.

Ms. McNamara has functional expertise in digital transformation, product development, program management, organizational change management, enterprise analytics, IT service management, and system selection. Her roles have included Program Director/ Digital Transformation and Data Modernization and Director of Technology and Data Services at FDA CDRH, Director at Blue Cross Blue Shield Association, Program Manager at NIH, and Principal of Healthcare Consulting at CSC.

Dr. Chung Hyuk Park
Professor, George Washington University

2:00 PM - 2:45 PM
SESSION 5
Digital Twins with Health Focus

Dr. Chung Hyuk Park is an Associate Professor in the Department of Biomedical Engineering, School of Engineering and Applied Science at the George Washington University. Dr. Park directs the Assistive Robotics and Tele-Medicine (ART-Med) Lab where he studies the collaborative innovation between human intelligence and robotic technology, integrating robotics, machine learning and artificial intelligence (AI), human-robot interaction (HRI), computer vision, haptics, and telepresence robotics. His current research interests are: 1) Multimodal human-robot interaction and robotic assistance for individuals with disabilities or special needs, 2) Robotic learning and humanized intelligence, and 3) Tele-medical robotic assistance and AI-based reasoning for medical perception and decision-making. In the first research topic, the impacts of multi-modal feedback are studied on the aspects of human-robot interaction and its application in assistive scenarios, such as telepresence for individuals with visual impairments or emotionally and socially interactive robotic systems for children with autism spectrum disorder (ASD). In the second line of research, the computational methodologies of machine learning are investigated on the aspect of robotic learning of human behaviors and intelligence. Through the last research goal, novel methodologies for utilizing robotic systems and AI in biomedical applications are being researched, from simple care-giving tasks towards intelligent surgical assistance and training systems. He received his PhD degree in Electrical and Computer Engineering from the Georgia Institute of Technology (2012), and MS degree in Electrical Engineering and Computer Science and BS degree in Electrical and Computer Engineering from Seoul National University (2002, 2000, respectively). He is a recipient of an NSF CAREER grant and also finished a National Robotics Initiative (NRI) NIH R01 project as the lead-PI. His work was introduced in diverse media and events such as Voice of America, Robot Trends, USA Today, Arirang TV, and TEDx Pearl Street.

Martin Rosendale
Chief Executive Officer, Maryland Tech Council

Martin is the Chief Executive Officer of the Maryland Tech Council, a partner with Newport LLC, and a partner at WMCS Investments. An engineer turned microbiologist and industry leader, Martin is passionate about the human and business value of technology, life sciences, and biotechnology. A five-time CEO and twice company founder, his experience spans public, private and not-for-profit businesses. He has launched, branded, acquired or commercialized more than 10 products and companies. Over 30 years of experience, and a strong drive to achieve and help, enable Martin to work through complexity toward insight and solutions to grow businesses.

Martin has raised equity capital for public and private companies and non-dilutive capital through strategic partnerships. He led a biotherapeutics company through a period of hyper growth taking the company from first sale to $200 million in annual revenue in three years. He worked with the Centers for Medicare and Medicaid Services to establish Medicare reimbursement for a complex product category. He also facilitated the merger of the two largest technology industry organizations in Maryland, forming the Maryland Tech Council and strengthening its industry presence.

9:00 AM - 10:00 AM
Welcome Remarks

Solomon Scott
Engineering Lead, Washington Post

Solomon Scott is an Engineering Lead at the Washington Post where he leads a team in building user-friendly and accessible article experiences. When he's not coding, you can find him playing tennis, practicing flying trapeze, reading comics, traveling, or watching cult classic movies.

1:00 PM - 1:45 PM
SESSION 4
Improving Customer Experience through Inclusive Design

Troy A LeMaile-Stovall
Chief Executive Officer, TEDCO

3:00 PM - 3:45 PM
SESSION 6
Cool Emerging Tech

As the CEO of TEDCO—Maryland's economic engine for technology companies—Troy leads the organization's mission to support economic development through the cultivation of an inclusive entrepreneurial innovation ecosystem. He brings to bear more than 25 years of experience in investment management, higher education, telecommunications, information/communication technology, and management consulting in this leadership role. Prior to joining TEDCO, Troy was the chief operating officer at the University of the District of Columbia (UDC), the nation's only urban land-grant university.

An entrepreneur at heart and in spirit, Troy founded the management consulting firms LeMaile-Stovall LLC and GTMS Partners, LLC. He also co-founded and served as the first president and CEO of GulfSouth Capital. His resume includes positions as the interim president of Zenith Education Group; principal at Butler Snow Advisory Services; executive vice president and chief operating officer of Howard University; and senior vice president and chief financial officer Jackson State (Mississippi) University, where he was awarded the Thurgood Marshall HBCU CFO of the Year. Earlier in his career, Troy held positions at McKinsey & Company, Southwestern Bell Telephone (now AT&T), AT&T Bell Labs, and Rockwell international.

Troy graduated cum laude from Southern Methodist University with a bachelor of science in electrical engineering. He earned a master's of science in computer science from Stanford University as a Bell Labs One Year on Campus Fellow, and an MBA from Harvard University. He was included in the Leadership Greater Washington Signature Program Class of 2019.

Troy gives back to his community in volunteer roles and has held board seats at Parkway Properties, Archipelago Learning, Internet America, School Status, the National Society of Black Engineers, Southern Methodist University (SMU) School of Engineering and Department of Electrical Engineering, DC Chamber of Commerce, MemberSuite, MuniStrategies, DC Housing Enterprises, National Association of College and University Business Officers (NACUBO), and Zion Church.

David Tohn
Chair, MD Technology and Chief Executive Officer, BTS Software Solutions

9:00 AM - 10:00 AM
Welcome Remarks

David Tohn is the Chief Executive Officer at BTS Software Solutions (BTS-S2) in Columbia, Maryland as well as co-founder of the BTS-S2 spinoff, Verb8tm, Inc. David is a retired military officer with over 24 years' experience in military intelligence, strategic planning, and a deep background in cyber security operations, policy, and planning. Following his military career, he entered the private sector, joining the CyberPoint International team in Baltimore, MD to promote CyberPoint's commercial and international cybersecurity products and services.

He assumed the CEO position of BTS-S2, a defense and intelligence community products and services company, in 2014. With a focus on growth since joining, BTS-S2 tripled in size; expanded the government services and solutions portfolio; added and then spun out Verb8tm, an advanced speech-totext solution for complex audio, in 2015.

David's background includes cybersecurity operations, strategic and operational planning, Signals, Geospatial, and Human Intelligence. His current emphasis is in big data analytics, bioinformatics, data compression, technical forensic exploitation, and teaching critical thinking and logical reasoning for cyberspace operators. Publications include authoring and coauthoring two books, several professional articles and op-eds focusing on key geo-political security topics, strategic intelligence, and cyber-security.

Laura Toraldo
Executive Director MD5G Partnership

Laura Toraldo is the executive director of the MD5G Partnership. Launched in June 2020, MD5G is a statewide partnership, with more than 30 partners, that advocates for growing Maryland's innovation economy through communications infrastructure and next-generation networks—like 5G. MD5G is dedicated to building connected communities and preparing for future innovative technologies through education, advocacy, and community engagement.

11:00 AM - 11:45 AM
SESSION 2
5G: Cutting edge technologies across industries

Jordan Watts
Director of Design, Fearless

Jordan Watts has spent his career working to rebuild trust in government and public institutions. As a design technologist, he has designed environmental advocacy campaigns for the National Aquarium, volunteer programs for the International Book Bank, and web products for the U.S. Small Business Administration. As the Director of Design at Fearless, Jordan leads a disciplinary design practice to help people deliver and get better government services.

1:00 PM - 1:45 PM
SESSION 4
Improving Customer Experience through Inclusive Design

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RESOURCE GUIDE

RESOURCE GUIDE

EXHIBITOR
Alloy

Founded on the principles of transparency, accessibility, and user control, Alloy's no-code platform lets sports fans easily build their own sports betting strategies and backtest them against past results in real-time. With three steps: creating a metric, applying filters, and reviewing results, Alloy allows for rapid, custom betting research. Alloy is the most customizable, transparent and affordable sports betting research platform on the market.

SPONSOR
AT&T

AT&T Inc. (NYSE:T) is a diversified, global leader in telecommunications, media and entertainment, and technology. It executes in the market under four operating units. WarnerMedia is a leading media and entertainment company that creates and distributes premium and popular content to global audiences through its consumer brands including: HBO, Warner Bros., TNT, TBS, truTV, CNN, DC Entertainment, New Line, Cartoon Network, Adult Swim, Turner Classic Movies and others. AT&T Communications provides more than 100 million U.S. consumers with entertainment and communications experiences across TV, mobile and broadband services. Plus, it serves nearly 3 million business customers with highspeed, highly secure connectivity and smart solutions. AT&T Latin America provides pay-TV services across 11 countries and territories in Latin America and the Caribbean, and is the fastest growing wireless provider in Mexico, serving consumers and businesses. Xandr provides marketers with innovative and relevant advertising solutions for consumers around premium video content and digital advertising through its AppNexus platform.

EXHIBITOR
Cherry Bekaert LLP

Ranked among the largest advisory, audit and tax firms in the U.S., Cherry Bekaert serves clients across all 50 states and internationally. Services and solutions span the areas of digital solutions, cybersecurity, transaction advisory, risk assurance and advisory, tax, benefits consulting, and wealth management. Cherry Bekaert's Digital Advisory Practice provides strategic and tactical support to businesses, positioning them for long-term growth and improving financial and operational performance by transforming their entire business model – leveraging technology and data as the core to their competitive advantage.

SPONSOR
Children's National Hospital

Children's National Hospital, based in Washington, D.C., was established in 1870 to help every child grow up stronger. Today, it is among the nation's top 10 children's hospitals. It is ranked No. 1 for newborn care for the fifth straight year and ranked in all specialties evaluated by U.S. News & World Report. The Children's National Research & Innovation Campus opened in 2021, a first-of-its-kind pediatric hub dedicated to developing new and better ways to care for kids. Children's National is home to the Children's National Research Institute and Sheikh Zayed Institute for Pediatric Surgical Innovation. It is recognized for its expertise and innovation in pediatric care and as a strong voice for children through advocacy at the local, regional and national levels.

COMCAST BUSINESS

EXHIBITOR
Comcast Business

Comcast Business offers a suite of Connectivity, Communications, Networking, Cybersecurity, Wireless, and Managed Solutions to help organizations of different sizes prepare for what's next. Powered by the nation's largest Gig-speed broadband network, and backed by 24/7 customer support, Comcast Business is the nation's largest cable provider to small and mid-size businesses and one of the leading service providers to the Enterprise market. Comcast Business has been consistently recognized by industry analysts and associations as a leader and innovator, and one of the fastest growing providers of Ethernet services.

CROWN CASTLE

SPONSOR
Crown Castle

Crown Castle owns, operates and leases more than 40,000 cell towers and approximately 80,000 route miles of fiber supporting small cells and fiber solutions across every major U.S. market. This nationwide portfolio of communications infrastructure connects cities and communities to essential data, technology and wireless service - bringing information, ideas and innovations to the people and businesses that need them.

Fearless

SPONSOR + EXHIBITOR
Fearless

Fearless is a full stack digital services firm in Baltimore that delivers innovative and human-centered digital services designed to power the things that matter. Our small, cross-functional agile teams use iterative development cycles to rapidly deliver sleek, intuitive, and responsive software. We design, engineer, and deliver digital solutions to solve problems, transform organizations, and promote efficiency.

But we do more than build powerful software and cutting-edge user interfaces: we also lead digital transformations, coach customers in creating agile and human-centered cultures, break down silos, and manage projects from user research and discovery to implementation and scaling.

Fraunhofer USA

EXHIBITOR
Fraunhofer USA

Fraunhofer USA is a not for profit corporation performing applied research for industry, universities, state and federal governments. We are in the high-tech problem-solving business. We use our world class scientific and engineering expertise to help clients respond to business and technical problems, design and develop prototypes, develop and prove manufacturing processes. Our goal: Bridge the gap between basic research and market, moving new developments along the technology readiness scale. One of three US-based centers, Fraunhofer USA Center Mid-Atlantic is located in College Park. Key competences lie in advanced systems and software engineering, artificial intelligence, machine learning applications, and digital transformation initiatives

Guidehouse

SPONSOR + EXHIBITOR
Guidehouse

Guidehouse is a leading global provider of consulting services to the federal government, public sector, and commercial markets with broad capabilities in management, technology, and risk consulting. We help clients address their toughest challenges and navigate significant regulatory pressures with a focus on transformational change, business resiliency, and technology-driven innovation. A trusted partner, led by more than 12,000 seasoned professionals in over 50 locations globally with proven and diverse expertise in traditional and emerging technologies, markets, and agenda-setting issues driving economies around the world.

SPONSOR + EXHIBITOR
Invest Hong Kong

InvestHK's vision is to strengthen Hong Kong's status as the leading international business location in Asia. Our mission is to attract and retain foreign direct investment which is of strategic importance to the economic development of Hong Kong. In all our services, we apply the following core values: passion, integrity, professionalism, customer service, business friendliness and responsiveness. We work with overseas and Mainland entrepreneurs, SMEs and multinationals that wish to set up an office – or expand their existing business – in Hong Kong. We offer free advice and services to support companies from the planning stage right through to the launch and expansion of their business.

SPONSOR
Iron Bow Technologies

Iron Bow Technologies is proud to be a gold sponsor of the Maryland Tech Council's third annual Digital Transformation Summit.

In this time of digital transformation with emerging technologies from 5G, Artificial Intelligence, Cloud, Software-Defined Networking and more, we believe that Experience is just as important as the solution. That's why Iron Bow is here to help our customers modernize and optimize their IT infrastructure, security, connectivity, and collaboration solutions, all while keeping Experience at the forefront of your strategy. Learn more about how Iron Bow can help you deliver Experience-as-a-Service by reaching out to SLED@ironbow.com.

SPONSOR + EXHIBITOR
The Maryland Department of Commerce

The Maryland Department of Commerce is the state's primary economic development agency, dedicated to creating quality jobs by attracting new businesses, stimulating private investment and encouraging the expansion and retention of existing companies. The Department also promotes the state's many economic advantages and markets local products and services at home and abroad to spur economic development and international investment, trade and tourism. The Office of Strategic Industries and Entrepreneurship works to support, attract and expand emerging industries ranging from Life Sciences, Cybersecurity and Aerospace, Manufacturing, Agribusiness and Energy, Entrepreneurship, and Education and Workforce.

EXHIBITOR
Maryland Tech Council

The Maryland Tech Council (MTC) is a collaborative community that is actively engaged in building strong technology and life science industries by supporting the efforts of our individual members. We are the largest technology and life sciences trade association in the state of Maryland, and we provide value by giving members a forum to learn, share, and connect. MTC brings the region's community together into a single, united organization that empowers our members to achieve their business goals through advocacy, networking and education. The vision for the Maryland Tech Council is to propel Maryland to become the number one innovation economy for life sciences and technology in the country.

SPONSOR
Mindgrub

Mindgrub is an award-winning technology innovation agency that creates custom mobile, web, and digital marketing solutions for a variety of clients to bring their brands to digital. Mindgrub also leverages emerging technologies, such as virtual and augmented reality, robotics, wearable tech, and mobile gaming, to solve tough client challenges.

EXHIBITOR
OBO

OBO is a consulting group that provides technology solutions and support to optimize organizations' sales, marketing, customer service, and project management systems to improve operations and accelerate revenue. Established in 2016 with over 350+ clients served, OBO has become a leader in technology implementation and systems integrations, partnered with trailblazing platforms including HubSpot, Salesforce, Monday.com, and Formstack.

Our services include helping our clients evaluate their existing needs, selecting systems, implementing, migrating, optimizing, or integrating their technology stack. Further, we provide ongoing support and reporting to ensure the continued optimization and success of our clients' new strategies and technology stack.

EXHIBITOR
S2N Technology Group

At S2N Technology Group, we are passionate, driven, and visionary technologists. Established in 2004 as an industry-leading technology company, S2N has spent the past two decades delivering complex technology solutions that help our clients realize their vision. We pride ourselves in shaping innovative plans that challenge the notion of what's possible, while consistently meeting or exceeding our clients' goals. S2N provides numerous services to support all stages of our clients' projects including: design, consulting, implementation, integration, and maintenance.

EXHIBITOR
Tower Federal Credit Union

Let us serve your team! Tower Federal Credit Union can help you attract and retain employees. Offer Tower membership as a no-cost benefit to your team and help promote their financial wellness. New members get a $100 bonus – family and household members are also eligible. Ask for details.

Tower conveniently serves its members wherever they are with online services, mobile banking at towerfcu.org and unlimited access to over 30,000 free ATMs nationwide. Tower offers low loan rates, higher deposit rates, and few or no fee services compared to traditional financial institutions. Schedule a consultation today: Mark Cruz 202-578-5767 mark.cruz@towerfcu.org

EXHIBITOR
Vision Technologies

Vision Technologies, an Internet of Things (IoT) systems integrator with national and global reach, is helping to reshape the way commercial clients and government agencies use technology to improve the quality and cost-efficiencies of services they deliver. Certified professionals design, engineer, install, support and sustain IP-converged technologies. Using its Integrated Technology Deliver (ITD®) methodology, Vision's specialties include a high-performing Professional Services technical staff along with core Design-Build solutions for Security (IP Cameras/Access Control), Audio-Visual Systems, Wireless (WLAN and DAS), Low- Voltage Cabling, and Passive Optical Networks. In addition, Vision has unique expertise spanning the latest Return-to-Work solutions.

Kristin D'Amore
Guidehouse

Kolaleh Eskandanian
Children's National Hospital

Ashley Greenspan
Crown Castle

Greg Godbout
Fearless

Maggie Korn
Cherry Bekaert

Joe Lenahan
Crown Castle

Todd Marks
Mindgrub

THANK YOU TO OUR DIGITAL TRANSFORMATION SUMMIT COMMITTEE

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DIGITAL TRANSFORMATION SUMMIT

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