

2023 ANNUAL NSMA CONFERENCE SPEAKER LIST AND INTRODUCTIONS

Kara Leibin Azocar, VP Regulatory, Iridium

Kara Leibin Azocar is Vice President, Regulatory at Iridium Satellite LLC. Ms. Azocar counsels clients on a broad range of issues surrounding communications law, policy and regulation. For almost 15 years, she has worked on spectrum policy and regulatory compliance for wireless, wireline, and media industries, enabling her to provide valuable advice to clients concerning the changing landscape.

Tom Brinkoetter, Founder, RadioSiteTest.com

Tom Brinkoetter is a wireless test expert with extensive hands-on experience running all types of electronic test equipment. He believes that drone-based measurements can help wireless site managers significantly improve the performance of their systems. Tom Brinkoetter's extensive knowledge in the field of RF Test and Measurement comes from over 40 years' experience at HP, Tektronix and Anritsu. He is the author of Interference Hunting with the Anritsu Field Master Pro MS2090A and is a trainer for Anritsu and Motorola on the S412E LMR Master. He has a BSEE from the University of Illinois and Masters from Stanford University.

Michael Calabrese, Director, Wireless Future Project, Open Technologies Institute of New America Foundation

Michael Calabrese is director of the Wireless Future Project, which is part of New America's Open Technology Institute. He also serves as a senior research fellow affiliated with the Asset Building Program. Mr. Calabrese focuses on developing policies that promote pervasive connectivity, including spectrum policy reform, mobile market competition, wireless broadband deployment, and IT investment and innovation more broadly.

Calabrese currently serves as an appointed member of the U.S. Department of Commerce Spectrum Management Advisory Committee (CSMAC) since 2009. He also served as an invited expert on the President's Council of Advisors on Science and Technology (PCAST) spectrum reform working group during 2011-2012.

Calabrese also served as vice president (2003-2010) and was instrumental in establishing the organization's programs in areas including retirement security, health policy, asset building, education, and the Next Social Contract Initiative.

Previously, Calabrese served as general counsel of the Congressional Joint Economic Committee, as director of Domestic Policy Programs at the Center for National Policy, and as pension and employee benefits counsel at the national AFL-CIO.

As an attorney and graduate of both Stanford Business and Law Schools, Calabrese speaks and writes frequently on issues related to spectrum, wireless broadband, and internet policy, as well as on pension policy and retirement security. He has co-authored three books and

published opinion articles in The New York Times, The Washington Post, The Atlantic Monthly, Slate, and other leading outlets.

Steve Coran, Partner, Lerman Senter

Steve Coran is chair of Lerman Senter's Broadband, Spectrum and Communications Infrastructure practice group. He represents broadband providers, private equity firms, equipment and technology companies, and new technology firms, serving their policy, transactional, compliance, and licensing needs. He also actively represents a trade association before the FCC, Congress, and other federal agencies in matters involving spectrum policy, Internet regulation, the Universal Service Fund, and other proceedings affecting wireless broadband service providers and other wireless technology interests.

Steve has extensive experience in negotiating complex, multi-party transactions for the purchase, sale, and financing of established and start-up communications businesses, and also drafting and negotiating spectrum lease, tower lease, dark fiber, and other agreements. He has represented financial institutions and foreign companies in connection with public and private investments. Steve also advises on regulatory compliance and FCC enforcement matters.

Steve is A/V rated by Martindale Hubbell, the highest peer review rating available to attorneys, and one which provides an objective indicator that a lawyer has the highest ethical standards and professional ability.

Devra Davis, PhD, MPH, is the founder and President of Environmental Health Trust, a scientific think tank that carries out research on environmental health risks, develops educational resources and works directly with policymakers internationally.

She was Founding Director, Center for Environmental Oncology, University of Pittsburgh Cancer Institute, and Professor of Epidemiology at the Graduate School of Public Health, and she has been a Fellow of both the American Colleges of Toxicology and of Epidemiology. She was Founding Director of the Board on Environmental Studies and Toxicology of the U.S. National Research Council and Founding Director, Center for Environmental Oncology, University of Pittsburgh Cancer Institute. Davis served under President Clinton as an appointee to the Chemical Safety and Hazard Investigation Board and also was a member of the Board of Scientific Counselors of the National Toxicology Program. As a scientist serving on the Intergovernmental Panel on Climate Change, the team was awarded the Nobel Peace Prize in 2007 with the Honorable Al Gore.

She has authored more than 200 publications in books and journals on environmental health.

Lisa Dyer, Executive Director, GPS Innovation Alliance

With more than 25 years of experience as a leader at the intersection of public policy, national security, business and technology, Dyer brings a unique understanding of spectrum policy and infrastructure modernization to her role as Executive Director for GPSIA. She most recently designed processes at Honeywell Federal Manufacturing & Technologies, LLC, which manufactures non-nuclear components for the Nuclear Security Enterprise. Prior to that, Dyer

served as Chief of Staff to the CEO of Irrigreen, a technology-driven startup increasing water savings. She has been a strategic advisor and policy strategist in the technology sector, and, as Director of Policy with the Partnership on AI, she led the development and implementation of its first policy and government affairs strategy.

Dyer began her career in the U.S. Air Force and later worked at the U.S. Department of State, where she served in the Bureau of Nonproliferation, the Bureau of Intelligence and Research and the Bureau of Economic and Business Affairs. Dyer has extensive experience in space policy, representing the Department of State at the National Security Council, Department of Commerce, Intelligence Community and Department of Defense to resolve space policy issues, including regulatory matters. In her career, she has advocated for future Defense and Intelligence Community satellite and sensor systems to safeguard national security and support future innovation.

Dyer received her bachelor's in political science from the United States Air Force Academy and her master's in management from Antioch University.

Tom Fagan, Chair, iNARTE Spectrum Management Certification Program

Tom Fagan focuses on spectrum management for DOD, NASA and NOAA which includes system engineering, satellite operations, spectrum allocation and federal spectrum repurposing. His specialities are: Spectrum Management, Electromagnetic Compatibility, Radio Frequency, Microwave electronics, RF Safety, Electrostatic Discharge and Radar.

Anja Fourie, Education and Workforce Development Director, SpectrumX and Project Director, NRAO

Anja Fourie is the Project Director: Broader Impacts at the National Radio Astronomy Observatory, and serves as SpectrumX Director: Education and Workforce Development. Anja started her 20 year career in science engagement as a science journalist in South Africa, but if you have had the pleasure of meeting her, you will know Anja can be pretty bossy, and this soon saw her move into the project management of science engagement programs. Anja has project managed just about anything, from the development of relevant, interactive content and education programs for museums in Africa and the Middle East; to South Africa's National Science Festival; to science education and public outreach efforts for the Square Kilometer Array Radio Telescope South Africa. Anja now leads broader impacts for the NRAO and its proposed next generation Very Large Array (ngVLA) telescope, where she thanks her lucky stars to work in the unique space where astronomy, project management and broader impacts meet.

Mark Gibson, Comsearch

With 40 years of wireless experience, Mark is responsible for developing domestic and international business opportunities for CommScope in the areas of RF engineering and spectrum management. In addition to leading technical and business development efforts for numerous wireless and spectrum-related products and services, he has led efforts to address spectrum sharing between Federal government and commercial users. He leads CommScope's

efforts to develop, test and certify the Automated Frequency Coordination system for 6 GHz unlicensed bands. He is a board member regulatory officer of the OnGo Alliance and President and Chair of the Wireless Innovation Forum. He is a member of the Commerce Spectrum Management Advisory Committee, where he has also co-chaired working groups related to spectrum sharing and data exchange issues and has testified before the U.S. Congress on spectrum policy and related matters. He has led spectrum management efforts including spectrum sharing analysis protocols and sharing criteria, as well as development of engineering services and software products. He speaks frequently and has authored several papers on spectrum sharing and relocation and has advised numerous wireless participants in their system design. He has a BSEE from the University of Maryland and is a Life Member of IEEE. He is an amateur radio operator and is an instrument-rated commercial pilot.

Kara Graves, Partner, Wilkinson Barker Knauer, LLP

Kara Graves provides policy and strategic counsel on myriad communications issues, focusing largely on spectrum, infrastructure siting, and other areas of interest to the wireless industry. She has been at the forefront of the nation's transition from 4G to 5G connectivity, leading advocacy as Vice President, Regulatory Affairs at CTIA on some of the most successful wireless spectrum auctions in FCC history. Her practice focuses primarily on representing wireless service providers, manufacturers, and other communications companies before the Federal Communications Commission, NTIA, and other federal agencies, as well as before the Executive and Legislative branches of federal government.

Kara began her legal career as a Communications Associate in the DC office of an international firm. Her legal career was preceded by her work as an online, print, and radio journalist, where she got to appreciate and experience the other half of the communications landscape. She is a proud wife and mother of two with a penchant for traveling, baking, and running.

Trey Hanbury, Partner, Jenner & Block

Trey Hanbury is a partner in Jenner & Block's Washington, D.C. office and co-chair of the Communications, Internet, and Technology practice. He has extensive experience working for the private and public sectors on a variety of communications policy issues, including wireless, spectrum, satellite and international telecom matters. Trey came to Jenner & Block from another firm and prior to that time from Sprint Nextel, where he served as Director of Government Affairs. In this position, Trey acted as regulatory counsel in major rulemaking proceedings, mergers and acquisitions, and cases before the Federal Communications Commission (FCC), the National Telecommunications and Information Administration of the Department of Commerce, the Departments of Justice and Homeland Security, Congress, and federal courts. Prior to working for Sprint Nextel, Trey held various policy-making positions at the FCC, including working on numerous satellite and international telecom matters in the International Bureau. He also served as Special Counsel in the Office of General Counsel, where he was responsible for providing policy and legal advice to the Office of Chairman on wireless issues. Trey graduated from the University of Virginia School of Law, where he served as a

Hardy Cross Dillard Fellow. He is currently co-chair of the Federal Communications Commission Bar Association's Wireless Committee.

Scott Blake Harris, Senior Spectrum Advisor, National Telecommunications & Information Administration, NTIA

Scott Blake Harris is the Senior Spectrum Advisor and Director of the National Spectrum Strategy at NTIA. He represents the agency in its efforts to expand the use of spectrum to support the needs of federal agencies, consumers, and the commercial sector. Scott has practiced law in Washington D.C. for forty-six years, and has extensive communications, energy, litigation, and national security law experience. He previously served in government as the General Counsel of the Department of Energy, as the first Chief of the International Bureau at the Federal Communications Commission, and as Chief Counsel for Export Administration at the Department of Commerce. While at DOE he also served as Co-Chair of the Broadband Subcommittee of the White House National Science and Technology Council. In the private sector, Scott co-founded the law firm of Harris, Wiltshire & Grannis LLP (now HWG) and served as its first Managing Partner and its first Chairman. Scott also served as General Counsel of Neustar, Inc. and as Co-Managing Partner of Wilkinson Barker Knauer LLP. Earlier in his career, he was a partner at Gibson Dunn & Crutcher, where he was Chair of the communications practice, and at Williams & Connolly, where began his career in private practice as a litigator. He also served as a law clerk to the Hon. Gerhard A. Gesell. He is a magna cum laude graduate of both Brown University and Harvard Law School.

Anne Keeney, VP, Glen Echo Group

As a vice president at the Glen Echo Group, Anne helps organizations in the tech, telecom and satellite industries tell their stories with sharp messages and smart strategy. She has run several award-winning coalitions and campaigns that make wonky policy issues understandable, relevant and interesting to policymakers, regulators, industry and media.

Prior to joining the Glen Echo Group, Anne worked for AMGA where she managed a diabetes communications campaign that helped improve care for more than one million Americans. A native Washingtonian, Anne graduated summa cum laude from the University of Notre Dame with a degree in political science and earned her master's in public relations and corporate communications from Georgetown University.

Ira Keltz, Deputy Chief, Office of Engineering & Technology, Federal Communications Commission

Ira Keltz is Deputy Chief of the FCC's Office of Engineering and Technology. Mr. Keltz is responsible for developing national spectrum policies for the United States telecommunications industry. This includes allocating spectrum for licensed services, setting technical rules for unlicensed devices, and implementing procedures for equipment certification.

George Kizer, Board Member, Past President, NSMA

George Kizer is the President of TeleVision, Inc. where he consults in telecommunications systems with a main focus on fixed point to point microwave radios and associated network management systems. He authored Digital Microwave Communication, Microwave Communication and contributed a chapter to Volume 2 of the Handbook of Microwave Technology. He was also the author of several peer-reviewed technical articles (consult IEEE Xplore digital library). He is chairman of the TIA Working Group for Microwave Systems, Technical Chairman of the Fixed Wireless Communications Coalition, Past President of NSMA and Past Chairman of the TIA Fixed Point to Point Microwave Section.

Mike Lasky, Principal, Widelity

Mr. Lasky has over thirty years of business management and consulting experience in the technology and communications industries. Prior to joining Widelity, Mike was the Managing Director of the Stargazer Foundation developing products and services for emergency responders. Prior to Stargazer, he developed and launched PropertyChannel.com, a joint venture of Cox Newspapers, Tribune Company, Knight-Ridder and Advance Publications. Mike also spent a number of years in television and satellite communications including time with Bell Atlantic Video Services overseeing the creation of interactive services, and managing the programming acquisition. He was Vice President of Programming at SKYPIX as well as the Director of Film Acquisition. at Showtime/The Movie Channel. Mike received his BA in Fine Arts and MBA from Cornell University.

Renee Leduc, Principal & Founder, Narayan Strategy & NSMA Board Member

Renée Leduc (Pronouns: she/her/they/them) is a policy expert who is passionate about translating weather, climate and aerospace topics to decision makers – with a particular focus on RF spectrum policy. Since 2013 she has owned and operated Narayan /Nuh-RYE-uhn/ Strategy, a Washington, DC-based policy consultancy.

Renée started her career as a Fulbright research scholar in Malawi and Zimbabwe and later served as a Presidential Management Fellow in the National Oceanic and Atmospheric Administration (NOAA) and advised two NOAA administrators on the agency's satellite programs.

Renée has a BA from Bates College in Maine and an MPP from American University in Washington, DC.

Jennifer Manner, “When Wire Was King”, Director and Executive Producer, SVP, Regulatory Affairs, EchoStar Corporation

Jennifer A. Manner is Senior Vice President of Regulatory Affairs at EchoStar Corporation/Hughes Network Systems LLC where she is responsible for the company's domestic and international regulatory and policy issues, including spectrum allocation and market access. Ms. Manner has over 25 years of experience in the technology sector, including as a senior executive in leading telecommunications companies and holding a senior policy position in the

U.S. government. During her career, she witnessed significant changes in the telecommunications marketplace, a passion for her. Jennifer published several books on technology issues, including *Spectrum Wars* (Artech House, 2005) and *Global Telecommunications Market Access* (Artech House, 2003), and has written numerous related law review and magazine articles.

Ms. Manner holds and has held key leadership roles including in Satellite Industry Association the US ITU Association, the EMEA Satellite Operators Association, in study groups at the International Telecommunications Union, as well as serving in leadership roles in federal advisory committees.

Ms. Manner has also been named as one of the top 2017 and 2018 broadband and media attorneys by CableFax, one of the most powerful women in the world by CableFax in 2018, and was awarded the EchoStar 2013 Most Valuable Player Award, the 2012 FCC Public Safety and Homeland Security Bureau's Chief's Meritorious Service Award, the 2012 Distinguished Alumni Award in Political Science from the Rockefeller College, State University of New York at Albany and the 2011 Wireless Communications Association International's Government Service Award. Ms. Manner, a film-maker, was a finalist for her movie at the 2018 Cannes Film Festival and has under production her latest film, "When Wire Was King, The Transformation of Telecommunications."

Dave Meyer, Senior Manager, Comsearch; Board Member & Past President, NSMA

David is a Senior Manager at Comsearch, where he directs their Frequency Protection and Wind Energy Telecommunication Services. He oversees the protection of thousands of microwave paths, earth stations, and other facilities through the coordination process. He has been working in the telecommunications industry for more than 33 years. He has been active in NSMA for the majority of that time on various working groups and has been a member of the Board of Directors since 2005. David holds a Bachelors Degree in Business Administration from Strayer University and an MBA from the University of Maryland. Additional undergraduate studies included Chemical Engineering at New Mexico State University, Satellite Engineering at George Washington University, and International Marketing at Strayer.

Jonathan Mirin, "Canary in the Goldmine", Director, Nation's First Known Radio-Frequency (RF) Deed Holder

Jonathan Mirin's plays have been performed in New York, regionally and internationally. His performance in *Riding the Wave.com* was nominated for a 2004 and 2008 Independent Reviewers of New England for Best Solo Performance, Small Company. His solo performance about growing up with Crohn's disease, *28 FEET*, was widely acclaimed by audiences and critics. In 2014, he launched Piti Theatre's Bee Week program, promoting pollinator health and wireless reduction efforts in communities around New England. Jonathan has integrated his theatre background with training and consulting work for The Central Park Conservancy, Power & Systems, European Organization Design Forum, the New York City Public Schools, World Education, and other organizations.

In Jonathan Mirin's production, "Canary in a Gold Mine," he uses a comedic lens to explore fatherhood, marriage, and environmental health. The show tells the story of the mysterious symptoms that Mirin's wife and production partner-Godeliève Richard began experiencing in 2010. The couple found out that Richard's severe neurological symptoms are triggered by exposure to electric & magnetic fields (EMF), the wireless radiation that society usually embraces to connect to cell phones and other devices. These EMFs are what caused Richard's electro-hypersensitivity-or "microwave sickness." Because of this occurrence, Mirin becomes a public health advocate, activist, and petitioner for a landmark case against the FCC. The show follows this journey and offers a wakeup call to the risks of 24/7 wireless exposure.

Timothy Newman, VP, Federal Partnerships, DeepSig Inc.

Timothy Newman is the VP of Federal Partnerships at DeepSig Inc. where he is helping the company grow and show others how effective deep learning can be to a variety of RF related applications. DeepSig Inc. develops wireless processing software solutions using cutting edge machine learning techniques to transform baseband processing, wireless sensing, and other key wireless applications.

Prior to joining DeepSig, Timothy worked in research and technical leadership positions within the United States Department of Defense for 8 years. He received his PhD in Electrical Engineering from The University of Kansas.

Dr. Scott Palo, Associate Director, SpectrumX & Victor Charles Schelke Endowed Professor of Aerospace Engineering, U. of Colorado-Boulder

Scott Palo is the Charles Victor Schelke Endowed Professor of Aerospace Engineering at the University of Colorado Boulder. He has 20+ years of experience in higher education, is the director of the Space Technology Integration Lab and former Associate Dean for Research in the College of Engineering and Applied Science. Since 2001 he has been involved with the design, construction and operation of five (5) small satellites and is leading the development of three (3) more. Dr. Palo is a recent Fellow of the AIAA, Senior Member of the IEEE and a member of the Commercial Small Satellite Spectrum Managers Association. In 2018 Dr. Palo chose to follow his entrepreneurial spirit and co-founded Blue Cubed LLC, a new space startup company focused on the development of next generation communications technology to support the rapidly expanding small satellite market. Since September 2021 Dr. Palo has been serving as the Associate Director of SpectrumX, the first National Science Foundation Spectrum Innovation Center.

Tom Peters, Sr. Technical Advisor, Jenner & Block

As a wireless engineer with 30 years of industry and government experience, Tom Peters, Senior Technical Advisor for Jenner & Block, understands the intricate relationship among regulatory policy, technology, spectrum, and business. He provides valuable insights to clients on technical policy and related engineering matters as part of their Communications, Internet, and Technology Practice.

Tom joined Jenner & Block from Hogan Lovells and formerly served as the Chief Engineer of the Wireless Telecommunications Bureau at the Federal Communications Commission. He possesses a unique understanding of technology issues that affect telecommunications policymaking. A key player in the FCC's National Broadband Plan, he advised the Chairman, Commissioners, Bureau Chiefs, and staff on technical and spectrum policy matters. Tom started his career at a global engineering consulting firm, where he helped design wireless networks all over the world. As the firm's Director, he was responsible for Engineering Design Services in Latin America and later in Europe and Asia-Pacific. Tom then joined Nextel, where he fine-tuned his technical regulatory and spectrum policy skills as a Director of Technology Development.

He went on to co-found Wireless Strategy LLC, a strategic engineering consulting firm. But when given the chance to work on the FCC's National Broadband Plan, Tom jumped at the opportunity and later became the Chief Engineer of the Wireless Bureau. At Hogan Lovells, he developed a strong track record of successfully helping clients navigate complex technical issues associated with telecommunications, satellite, and spectrum policy.

Joseph Sandri, President, NSMA; CEO, Thought Delivery Systems, Inc.

Joe Sandri is the CEO & Founder of Thought Delivery Systems, Inc. He has been an officer of multiple publicly traded companies. He most recently was co-president of FiberTower Corporation which was sold to AT&T in 2018. He serves on several boards in the communications and environmental technology sectors. Prior to his executive experiences he served in private practice for a Washington DC based law firm representing numerous Fortune 100 companies in technology matters. He also operating officer of The Balance Group.

Theodora Scarato, Environmental Health Trust

Theodora Scarato MSW is Executive Director of Environmental Health Trust (EHT), a scientific think tank that publishes research and educates policymakers on environmental health issues. EHT scientists are among the leading independent voices calling for reducing wireless worldwide. EHT was lead petitioner in a major lawsuit against the FCC which focused on several issues including the impact of telecommunications networks to wildlife and trees. As a result, the FCC has been ordered to address the scientific evidence indicating impacts to the environment.

Scarato has co-authored several articles on electromagnetic field policy and is a lead policy analyst and researcher for the EHT database on international actions– the most comprehensive collection of information on policy actions on cell phones and wireless.

She has presented at several US and international conferences on environmental health and was co-author on the comprehensive review paper Building science and radiofrequency radiation: What makes smart and healthy buildings published in Building And Environment after the conference at the National Institute of Health conference. Scarato has presented at both the 2019 and 2021 Medical Conferences on Electromagnetic Fields.

Her work was instrumental in the Prince George's County School System taking action to address long neglected lead contamination in the schools drinking water and in the Maryland State Children's Environmental Health Protection Advisory Council's actions to issue recommendations to reduce radio frequency exposures in the school setting. Scarato helped coordinate the 2019 US medical conference designed exclusively to train medical professionals on electromagnetic radiation and also presented at the 2021 EMF Medical Conference. She is on the board of PhoneGate Alert.

Dr. Sarah Seguin, Sr. Project Engineer, iNARTE

First Officer Christopher W. Sidor, Chairman of the Aircraft Design and Operations Group (ADO), Air Line Pilots Association, International

First Officer Christopher Sidor is an A319/A320 Pilot and Simulator Instructor with United Airlines. He is also the Chairman of the Aircraft Design and Operations Group for the Air Line Pilots Association. He is an Adjunct Faculty member in the Undergraduate Online Aviation Program at Utah Valley University as well as an Adjunct Faculty member at Florida Tech where he teaches a variety of aviation courses in the Panama Aviation Education Partnership (PAEP) undergraduate program. First Office Christopher Sidor expects to receive his doctorate in Aviation from Florida Tech next year.

Michael Taggart, U.S. House of Representatives Energy & Commerce Committee, Policy Director

Michael Taggart has served as Policy Director for Chair Rodgers on the Energy and Commerce Committee since 2021. As Policy Director, he is a senior advisor on policy and strategy, manages the policy subcommittees, and works with the Chair to develop the legislative agenda for Energy and Commerce Republicans. Taggart previously served as Legislative Director to Rep. McMorris Rodgers and to former E&C member Rep. Leonard Lance (R-NJ). Mr. Taggart graduated from Colgate University with a B.A. in Political Science.

Peter Tenhula, Silicon Flatirons Center for Law, Technology & Entrepreneurship

Peter Tenhula retired from federal government service in 2021, having worked for nearly 25 years at the National Telecommunications and Information Administration (NTIA) and at the Federal Communications Commission (FCC). From 2014 to April 2021, Peter served as Deputy Associate Administrator in NTIA's Office of Spectrum Management (OSM). He also served as the Chair of the Interdepartment Radio Advisory Committee (IRAC). Prior to joining OSM, Peter was a Senior Advisor in NTIA's Office of the Assistant Secretary. Before joining NTIA in 2012, Mr. Tenhula worked at Shared Spectrum Company (SSC), serving as the company's vice president and general counsel. While at SSC, he was a member of the Board of Directors of the Wireless Innovation Forum and chaired its Regulatory Committee. From 1990 to 2006, Peter held several positions at the FCC, including Acting Deputy Chief of the Wireless Telecommunications Bureau,

director and co-director of the Spectrum Policy Task Force, Senior Legal Advisor to FCC Chairman Michael Powell, Special Counsel to General Counsel William Kennard, and staff attorney in the Office of General Counsel and the Mass Media Bureau. He received his undergraduate degree in telecommunications from Indiana University, Bloomington, and earned a law degree from Washington University in St. Louis, Missouri.

David Wiley, Chairman, Widelity

Mr. Wiley has nearly three decades of sales, professional services and management experience in the telecommunications industry. He is known for leading successful corporations through complex start-up, turnaround, and high-growth cycles. Prior to founding Widelity, he served as the Vice President of Operations Planning and Support for First Avenue Networks, a major broadband fixed wireless company. He also served as Vice President of Services at MobileAccess Networks, a leading provider of in-building wireless solutions, where he was responsible for the successful implementation and maintenance of multi-million-dollar projects on time and within budget. Before joining MobileAccess, David was a Director at XO Communications where he led national network deployment and service initiatives. Prior to that, he was Director of Business Operations at Iridium, and managed systems development and delivery at Verizon and as a consultant at Accenture. Throughout his career, David has capitalized on market opportunities to drive revenues, profits, and team-centered cultures. He combines strong organization and communication skills with a proven ability to conceptualize, architect, and implement successful solutions for complex customer needs. He received his BA and MBA in Economics from The College of William and Mary.

Dr. Tom Willis, Principal Member of Technical Staff, AT&T Laboratories; NSMA Board Member
Dr. Thomas Willis works in the area of microwave wireless communications at AT&T Laboratories in Middletown, NJ where he has been employed for the last 35 years. He holds a Ph.D. in Electrical Engineering specializing in electromagnetics from the University of Michigan. Dr. Willis has served as the Chair of National Spectrum Management Association (NSMA) Working Group 2 on Over-the-Horizon Propagation Loss and is currently on the NSMA Board. He is also on the Fixed Wireless Communications Coalition (FWCC) Board serving as Vice President. He is currently representing AT&T in the WinnForum 6 GHz effort and chairs the 6 GHz Interference Task Group.

David Zumwalt, President & CEO, WISPA

David Zumwalt serves as President & CEO of WISPA – Broadband Without Boundaries. WISPA's service providers, vendors and suppliers are key responders in closing the digital divide, and deliver primary broadband connectivity, using wireless and fiber infrastructure, in traditionally underserved and unserved suburban, rural and Tribal communities nationwide.

He previously served as Chief Operating Officer of Broadband VI, a major Internet Service Provider in the US Virgin Islands. In 2021, Broadband VI won \$84.5 million in FCC Connect USVI funding to augment its Territory-wide network and was subsequently acquired by a unit of

publicly traded Liberty Latin America. He then led Broadband VI's post-acquisition transition efforts.

He has also served as the Executive Director of the University of the Virgin Islands Research & Technology Park (RTPark), which fostered the emergence of a vibrant knowledge-based business sector in the USVI economy. Earlier, he founded and served as Chairman and CEO of Dallas, TX-based CNet, Inc., a leading provider of radio frequency (RF) engineering and operational support system software and services to the worldwide wireless communications industry, securing significant customer relationships in forty countries. His early interest in telecom was sparked in part by his family's AT&T heritage, but especially by his early career experience at Compucon, Inc., which involved RF planning, field engineering and frequency coordination work in land mobile radio, satellite earth stations, very early cellular and even DBS.

He has served on the Boards of, and as a transitional chief executive in, several venture capital and private equity-backed businesses spanning private sector, public sector and academic initiatives. He is a graduate of Rice University, Fellow of the Radio Club of America, and a licensed professional engineer in the state of Texas.
