

**Federal Communications Commission
Technology Transitions Policy Task Force Workshop
March 18, 2013**

Biographies

Christopher Baker
Senior Strategic Policy Advisor
AARP Public Policy Institute

Christopher Baker is a with AARP's Public Policy Institute, focusing on the telecommunications, energy, and information technology industries. He conducts policy research and analyzes market and regulatory developments that affect the ability of older persons to obtain and use essential products and services. He is also responsible for drafting the Utilities chapter of the Policy Book, adopted by the AARP Policy Council and Board of Directors.

Since joining the Institute in 1997, Chris has participated on numerous advisory panels and working groups, providing counsel to organizations including Google, the Bill & Melinda Gates Foundation and the Environmental Protection Agency. In 2011, the Federal Communications Commission nominated Chris to serve on their Consumer Advisory Committee and chair the committee's Broadband Working Group. He also serves as an executive member of the of the National Low Income Energy Consortium's board of directors.

Previously, Chris worked as a Legislative Aide on energy and telecommunications issues for United States Senator Paul Sarbanes. He is a graduate of the LBJ School of Public Affairs, University of Texas, Austin and the University of Maryland.

Andrew M. Brown
Partner
Levine, Blaszak, Block & Boothby, LLP

Mr. Brown is a partner in Levine, Blaszak, Block & Boothby, LLP ("LB3"). His practice focuses on the representation of medium and large companies in both their strategic planning and contract negotiations for telecommunications products and services and related technologies. He has been involved in some of the largest enterprise communications deals negotiated on behalf of clients such as Merrill Lynch, General Motors, United Air Lines, DuPont, and Aetna. On behalf of LB3's clients, Mr. Brown regularly negotiates agreements with the major telecommunications providers for global voice and data services, which often include VPNs and MPLS-based data network services, managed services (including hosting), encryption technology and other security services, global remote access services, and related software license agreements. He has also negotiated numerous enterprise agreements for local and wireless services, as well as agreements for the provision of air-to-ground communications for the commercial airline industry.

Mr. Brown has significant experience in the field of public safety and homeland security communications. He was instrumental in the development and negotiation of a nationwide emergency toll-free number for the nation's poison control centers and represented the City of New York as lead outside counsel in the development and negotiation of a state-of-the-art enhanced 911 public safety answering center and supporting communications infrastructure. He also frequently advises corporate clients on the legal requirements and best practices for providing employee access to 911 services, including legal and technical challenges associated with the implementation and use of softphones, Voice over Internet Protocol (VoIP), and wireless LANs/PBXs.

In regulatory matters, Mr. Brown regularly represents the interests of telecommunications users in a variety of federal regulatory proceedings at the Federal Communications Commission and advises enterprise telecom users about complex state and federal regulations, with specific expertise on privacy matters and issues related to E911.

While in law school, he won the William Minor Lile Moot Court competition and was Executive Editor of the Virginia Journal of International Law.

Ralph W. Brown
Chief Technical Officer
CableLabs®

Ralph Brown is responsible for leading CableLabs' technical staff in delivering innovative solutions to the cable industry. In this role he leads development in seven areas of technical excellence: Systems Architecture, Network Design, BSS/OSS, Client Software, Security, Strategic Assessment, and Test/Prototype Development. He also is responsible for identifying and leading in areas of convergence and synergy across CableLabs programs.

In his previous position as Senior Vice President of the CableLabs Broadband Access Department, he was responsible for leading the DOCSIS® (www.cablemodem.com) and CableHome™ (www.cablelabs.com/projects/cablehome) research and development projects. These efforts include development of cable modem and residential gateway specifications, as well as the interoperability testing and certification of products built to these specifications.

Prior to CableLabs, Mr. Brown worked for Excite@Home as Chief Architect, Set-top Systems where he worked on broadband applications for set-top terminals and entertainment devices. Before joining Excite@Home, he worked for Time Warner Cable as Chief Software Architect in their Advanced Engineering Department where he worked on the Orlando Full Service Network and was a key contributor the Time Warner Cable Pegasus Program. While at Time Warner Cable and Excite@Home, Mr. Brown was also an active participant in the CableLabs OpenCable™ project.

Mr. Brown earned a Master's degree in Electrical Engineering from Massachusetts Institute of Technology. His Master's thesis was in the field of Speech Recognition. He received his Bachelor's degree in Electrical Engineering, Summa Cum Laude, from North Carolina State University.

Mung Chiang
Professor of Electrical Engineering
Princeton University

Mung Chiang is a Professor of Electrical Engineering at Princeton University, and served as the Director of Graduate Studies in Electrical Engineering since 2009. He is also an affiliated faculty in Applied and Computational Mathematics, and in Computer Science. He received his B.S. (Hons.), M.S., and Ph.D. degrees from Stanford University in 1999, 2000, and 2003, respectively, and was an Assistant Professor 2003-2008 and a tenured Associate Professor 2008-2011 at Princeton University. He was a Hertz Fellow in 1999-2003, a H. B. Wentz Junior Faculty at Princeton in 2005, and was elected an IEEE Fellow in 2012.

Chiang's research areas include the Internet, wireless networks, broadband access networks, content distribution networks, network economics, and online social networks. His research on networking received awards such as the IEEE Kiyo Tomiyasu Award in 2012 "for demonstrating the practicality of a new theoretical foundation for the analysis and design of communication networks", the U.S. Presidential Early Career Award for Scientists and Engineers in 2008 "for fundamental contributions to optimization, distributed algorithm and stochastic analysis of communication networks", the Office of Naval Research Young Investigator Award in 2007, the National Science Foundation CAREER Award in 2005, an selected participant at the National Academy of Engineering Frontiers of Engineering Symposium in 2008. His publications received a few paper prizes, including the 2012 IEEE INFOCOM Best Paper Award, an ISI Citation Fast Breaking Paper in Computer Science, a Young Researcher Award Runner-Up in Continuous Optimization over 2004-2007, and IEEE GLOBECOM Best Paper Award three times.

Chiang's inventions resulted in seven issued patents, a few technology transfers to commercial adoption, and the Technology Review TR35 Young Innovator Award in 2007. He founded the Princeton EDGE Lab in 2009, and is a cofounder or an advisor of a few startups.

Chiang created the Optimization of Networks track in CISS conferences, hosted the first Smart Data Pricing (SDP) Forum at Princeton University in 2012, and co-chaired the National Information Technology R&D Workshop on Complex Engineered Networks in 2012. He was also a co-chair of the 9th IEEE WiOpt Conference, the 38th CISS,

and the 1st ACM S3 Workshop. He has been an associate or guest editor of IEEE Journal of Selected Areas in Communications, IEEE Transactions on Communication, IEEE Transactions on Information Theory, IEEE Transactions on Wireless Communications, IEEE/ACM Transactions on Networking, Journal of Optimization and Engineering, and Operations Research.

Chiang is an IEEE Communications Society Distinguished Lecturer 2012-2013, and received the Engineering Teaching Commendation from Princeton University. He delivered the Simon Stevin Lecture on Optimization in Engineering at K. U. Leuven in 2010, and gave plenary or keynote speeches at IEEE GLOBECOM, INFOCOM, WiOpt, MPS MOPTA, and a few workshops. He created a new undergraduate course Networks: Friends, Money, and Bytes at Princeton University in 2011, which is now also offered as a free, open access course on coursera, iTunesU, and YouTube, and wrote the associated undergraduate textbook "Networked Life: 20 Questions and Answers."

John Civileto

Vice President – Technology Strategic Architecture Cox Communications ~ Atlanta, GA

John Civileto is the Vice President of Strategic Architecture for Cox Communications in Atlanta, GA. In this role his team is responsible for the development and alignment of a holistic architectural framework to enable innovation and a rapid delivery capability of consumer-focused products and services. The areas of focus include Service Delivery Platforms, Network Systems, Applications, Enterprise Systems and Security domains across both internal and externally facing systems.

Prior to this role John lead the Video Architecture team and was responsible for the evaluation of new technologies, platform architecture development and design of the video delivery solutions. Key areas of interest included IP based video delivery systems, CPE solutions including gateway designs, control systems, content protection, video compression and delivery technologies.

Previous roles included leading the Core Video Product development team, Vice President of Technical Operations for Cox Media, the advertising sales arm of Cox Communications, and Vice President of Operations for CableTime Advertising.

John joined Cox in 1999 with the acquisition of CableTime – the ad sales division of TCA Cable. Since joining Cox he has served as Regional Operations Manager and as Director of Operations. Previous to joining Cox he served as Vice President of Operations for CableTime with locations in 17 states. John has been in the cable advertising industry since 1989.

John currently serves on various industry advisory boards within the Society of Cable Television Engineers, MoCA and CableLabs.

John earned a Bachelor of Science in Electrical Engineering from Texas A&M University. He is based at the Cox office in Atlanta, Georgia.

David Eckard

Chief Technology Officer, Fixed Networks Division Alcatel-Lucent

David Eckard joined Alcatel in 1998 and is currently the CTO for the Fixed Networks Division which represents both the copper and optical access products for Alcatel-Lucent. David received his BS degrees in Electrical and Computer Engineering and his MS degree in Computer Networking from North Carolina State University. David initially began his career at Alcatel-Lucent as an ASIC designer developing some of the first commercial ASICs for the passive optical networking market that allowed Alcatel-Lucent to become a market leader in optical access. Later as the Director of Systems Engineering he continued to help evolve and shape the access products for Alcatel-Lucent. He is a Distinguished Member of the Technical Staff, holds several patents in optical access and has represented Alcatel-Lucent at ITU and FSAN standardization forums for next generation optical access networks.

Michael P. Golob
Senior Vice President of Engineering and Technology
Frontier Communications Corporation

Michael P. Golob is Senior Vice President of Engineering and Technology for Frontier Communications Corporation (NYSE: FTR), a Fortune 500 company and the leading provider of communications services to rural America. The company serves 4 million customers in 27 states.

Mr. Golob's responsibilities include all network planning; new technology development, selection, and implementation; 24x7 Network Operations Centers; Internet service operations; project management; SS7 network; E-911 network; switch translations; network provisioning & activations; capital management; Central Office Equipment Installation; and engineering records. He was responsible for all network integration during Frontier's 14-state transformational transaction with Verizon Communications in July 2010 which tripled the size of the company.

Mr. Golob was Director of Academic Affairs for the University of Phoenix – Oregon Campus before becoming Director, Project Management/Long-Haul Operations for Electric Lightwave, Inc. (NASDAQ: ELIX), a publicly-traded company, in 2000. In 2002, he was promoted to Vice President of Operations and Engineering for ELI's parent company, Citizens Communications (whose name was changed to Frontier Communications in 2008), and assumed a series of increasingly responsible roles, most recently Senior Vice President, Engineering and Technology.

Mr. Golob's background includes 20 years of progressively responsible leadership in command and staff positions in the U.S. Army Special Forces and Military Intelligence. He is a veteran of the 1990 Gulf War and "Operation Uphold Democracy" in Haiti and is a graduate of the U.S. Army's Command and General Staff College and the National Security Agency's Cryptologic Career Program. He retired from the service with the grade of Lieutenant Colonel.

A graduate of Iowa State University with a B.S. in Education, Mr. Golob earned a Master's in Business Administration from Central Michigan University and a Doctorate in Organization and Management from Capella University.

Jessica Gonzalez
VP of Policy and Legal Affairs
National Hispanic Media Coalition

Jessica executes NHMC's priorities before the federal agencies and in Congress. She leads NHMC's legal and policy work and has developed and oversees its legal internship program. As NHMC's Vice President of Policy and Legal Affairs, Jessica has testified before the Federal Communications Commission (FCC), the National Telecommunications and Information Administration (NTIA), and in Congress, and has been interviewed on television and radio. Additionally, she played an instrumental role in drafting the historic Memorandum of Understanding between Comcast Corporation and leading national Latino leadership organizations. Before joining NHMC, Jessica was a staff attorney and clinical teaching fellow at Georgetown Law's renowned Institute for Public Representation (IPR), where NHMC was one of her clients. At IPR Jessica represented consumer, civil rights and public interest organizations before the FCC, the NTIA and in the Courts of Appeal. While in law school, Jessica clerked at the Media Access Project in Washington, DC, and prior to law school she was a public high school teacher in Los Angeles, California. Jessica earned a Master of Laws (LLM) degree from Georgetown Law, a JD from Southwestern Law School, where she worked on the Journal of Law and Trade in the Americas and the Journal of International Media and Entertainment Law, and a BA in Communication Studies and Spanish from Loyola Marymount University. She is licensed to practice law in California and the District of Columbia. Jessica serves on the Executive Board of Directors for both the National Hispanic Leadership Agenda and the Media and Democracy Coalition. She also sits on the FCC's Diversity and Open Internet advisory committees.

Matt Grob
Executive Vice President and Chief Technology Officer
Qualcomm Technologies, Inc.

Matt Grob is executive vice president of Qualcomm Technologies, Inc., and chief technology officer. In this role, he is responsible for the oversight of Qualcomm's technical path, the coordination of R&D activities across the company, and the development of next-generation wireless technologies. He also directs the Company's broad portfolio of research projects with topics ranging from 3G HetNets to small cells. In addition, Grob leads Qualcomm Research and Qualcomm Corporate Engineering Services, and he is a member of Qualcomm's executive committee.

Grob joined Qualcomm in 1991 as an engineer. His contributions include system design, standardization and project leadership for programs including the early CDMA data services; the Globalstar satellite based mobile voice and data system and later 1x EV-DO high-speed wireless Internet access technology. His focus on cellular data services led to his assignment as co-project engineer for the HDR (High Data Rate) program starting in 1997. This new high-speed Internet access technology became standardized as 1x EV-DO and was commercialized throughout the world. Innovations and techniques from these programs also helped UMTS' evolution to HSPA. In 1998, Grob was promoted to lead the Company's R&D system engineering group and in 2006, he became in charge of Qualcomm Research.

The mission of Qualcomm Research is to push the boundaries of wireless, to innovate, and to explore new services and technologies by focusing on longer-term and often higher-risk projects. Recently, Qualcomm Research efforts have expanded in scale and scope. With offices in Austria, China, England, Germany, India, Korea, and the USA, Qualcomm Research continues to have a strong focus on core cellular WAN technology as well as exciting new areas including 3G HetNets, augmented reality, context awareness, LTE Advanced, LTE Direct and small cells.

Grob holds a Master of Science in electrical engineering from Stanford University and a Bachelor of Science in electrical engineering from Bradley University. He is a member of the IEEE and holds more than 70 patents.

John B. Horrigan, Ph.D.
Vice President and Director
Media and Technology Institute

John Horrigan is Vice President and Director of the Media and Technology Institute at the Joint Center for Political and Economic Studies, whose mission is to study how emerging communications technologies can become avenues of advancement for the disadvantaged.

Before joining the Joint Center, Horrigan was Vice President for Policy and Research at TechNet, where he developed research characterizing the job impacts of mobile applications and wrote reports on progress on broadband adoption since the delivery of the National Broadband Plan (NBP). He has served as a consultant for the Partnership for Connected Illinois.

In 2009-10, Horrigan was part of FCC Chairman Genachowski's leadership team tasked with developing the NBP. In that capacity, he developed the research agenda for the "Inclusion" portion of the NBP and conducted the FCC's first national survey on broadband adoption and usage. Before that, he spent nine years at the Pew Research Center's Internet & American Life Project.

Horrigan received his Ph.D. in public policy from the University of Texas at Austin and his B.A. in government and economics from the University of Virginia.

Dina Katabi
Professor, Department of Electrical Engineering and Computer Science
Massachusetts Institute of Technology

My research interests are in computer networks and data communication. They encompass congestion control, network measurements, scalability and robustness of communication systems, differentiated services, Internet pricing, routing, content distribution, peer-to-peer systems, self-configurable and wireless networks, and network security. I have a particular interest in adapting tools from various fields of applied mathematics such as control theory, coding theory, and AI to solve problems in computer networks.

Thomas Maguire
Senior Vice President
Verizon Telecom

Tom Maguire is SVP of National Operations Support. In this capacity Maguire is responsible for improving customer satisfaction, driving productivity and reducing operational expense. Maguire is also charged with migrating customers from the copper network to newer alternatives, including Verizon's state-of-the-art FTTH network.

Prior to this Maguire was the SVP/COO for the East Coast Area. In this role he was responsible for over 26,000 service employees handling all facets of wireline service delivery.

Maguire started his career at NY Telephone as summer intern in engineering.

He is a graduate of Adelphi University and CW Post / Long Island University.

Randolph C. Nicklas
Chief Technology Officer
XO Communications

As the Chief Technology Officer and SVP of Engineering for XO Communications, Randy Nicklas is responsible for the overall network technology vision, architecture, implementation, sustaining engineering and capacity planning for the company's voice, data, and transport networks. He and his team are also the technical leads on the design of XO's commercial and wholesale voice, data and IP-based services.

Previously, Randy was vice president of Engineering, responsible for the design, implementation, and sustaining engineering of XO's transport, voice and data networks, and he has been an employee since 1999. Before joining XO, he held engineering and technical management positions at MCI, Cisco, and Intelsat. Randy has also worked in the areas of software development and systems engineering on a variety of aerospace programs for Computer Sciences Corporation, Los Alamos National Laboratory, and NASA.

Randy obtained a B.S. and M.S. degrees in Applied Mathematics and an M.S. degree in Physics, all from the Georgia Institute of Technology, and he resides in Bethesda, Maryland along with his wife and three sons.

David Russell
Solutions Marketing Director
Calix

David is responsible for technical marketing of Calix' broadband access solutions. Calix provides DSL and Fiber-to-the-Home electronics to most of the service providers in the United States. David has spent over twenty years in business development and marketing of broadband access systems. He holds 8 patents in broadband technologies. He was actively involved with the FCC on the analysis and development of the National Broadband Plan through the Fiber-to-the-Home Council, where he served on the Board 2008-2010. David did his undergraduate work at Franklin and Marshall College in Lancaster, PA and graduate work at the University of Minnesota.

Jenifer Simpson**Director****Accessible Technology Action Center**

JENIFER SIMPSON is currently the Director of the Accessible Technology Action Center (ATAC), in Arlington, Virginia. This is a federally funded and new national resource to facilitate and promote the use of accessible technology in the hiring, employment, retention, and career advancement of individuals with disabilities. As Director, Ms. Simpson ensures the development, coordination and publication of resources, leads strategic promotion of effective employer practices in the workplace, and furthers policy advancement on accessibility issues facing employers and others. The aim of the Center is to ensure more availability of accessible, usable and interoperable technology in all types of work settings and to advance the translation of policy knowledge into adoption and implementation.

Ms. Simpson was a co-founder of the Coalition of Organizations for Accessible Technology (COAT), a coalition of disability organizations and individuals that advocates for accessible technology, including legislative and regulatory safeguards to ensure full access by people with disabilities to evolving high speed broadband, wireless, and other Internet Protocol (IP) technologies. In this role, Ms. Simpson spearheaded legislative efforts to modernize telecommunications policy and led consumer-based activities to educate consumers with disabilities and key stakeholders about how changes in the technology ecosystem affect people with disabilities and their families.

Previously, as Senior Director for Government Affairs at the American Association of People with Disabilities (AAPD), a national disability membership organization in Washington, D.C., she advocated public policy changes supporting the independence of people with disabilities. At AAPD she created the Telecommunications & Technology Policy Initiative that focused on ensuring that technology products and services are designed and deployed with all users in mind. She also initiated a Health Information Technology project, a Broadband Awareness campaign, a Digital TV Transition Consumer Education project, and an Emergency Awareness Outreach mission. This work also included international assignments to evangelize the need for accessible inclusive communications and information technologies.

Prior to her service at AAPD, Ms. Simpson was in government service at the Federal Communications Commission, where she implemented the disability accessibility mandates in the Communications Act. Other government service included appointment as an Employment Advisor at the President's Committee on Employment of People with Disabilities, where she developed and maintained strategic relationships with key technology companies. Before government service, Ms. Simpson worked for United Cerebral Palsy Association (UCPA) in its national office where her portfolio included advancing public policy to ensure the integration of children and adults with disabilities into the mainstream.

Ms. Simpson has a Master's in Business Administration from Trinity University and a Bachelor in Arts from the University of Massachusetts. She parents a 28 year old young man with cerebral palsy. In her spare time, Ms. Simpson writes a neighborhood blog, gardens, and assists visitors at a national art museum.

Contact information: Email Jenifer.Simpson@ATAC.org. Cell: 202-365-3004; Websites: ATAC at <http://www.atac.org> (under construction!); COAT at <http://www.coataccess.org>; City View at <http://ragandboneslady.blogspot.com/>

Peter Stenberg**Senior Economist, Economic Research Service****US Department of Agriculture**

Peter Stenberg is a senior Economist at the Economic Research Service (ERS). Peter's research covers economic development policy, including telecommunication policy, science and technology policy, rural-urban economic clusters, regional and international trade, comparative economics, policy toward investment in higher education research and teaching activities (such as land-grant institutions), and rural economic issues. He has written over 100 articles on

telecommunications, economic impact of universities, science and technology policy, defense restructuring, high tech industry, and other economic development and policy subjects.

Prior to joining ERS, Peter was a professor in the economics department at Hamline University, a research associate in the Center of Urban and Regional Affairs (Humphrey Institute, University of Minnesota), and a private consultant who had research contracts with various state and federal agencies, universities, and corporations across the country.

Peter earned a Ph.D. and an MS in applied economics from the University of Minnesota. He also holds a BS in engineering. Peter is a member of the American Economics Association, American Agricultural Economics Association, Western Economic Association International, and Regional Science Association International as well as frequently participates at the annual Telecommunication Policy Research Conference.