

Workshop on Research Initiative on IP-Based Relay Technologies

Tuesday, February 18, 2014, 9:30am -12:30pm

SPEAKER BIOS

Mignon L. Clyburn served as Acting Chairwoman of the Federal Communications Commission, following her appointment by President Barack Obama on May 20, 2013. As Commissioner, she is serving a second term as a Democrat on the Commission, for which she was sworn in on February 19, 2013 following her re-nomination by the President and confirmation by the United States Senate.

Jonathan Chambers, as **Chief of FCC's Office of Strategic Planning (OSP)**, works with the Chairman, Commissioners, Bureaus, and Offices to develop strategic plans and help identify the agency's policy objectives. He joined the Commission in May 2012 after working, since 1995, primarily for companies in the start-up stage of their businesses in the wireless and cable television industries in the U.S. and in Europe. He worked in legal, regulatory, business development and strategic planning roles.

Henning Schulzrinne, Chief Technologist of the FCC, is based in OSP but, on technology issues, reports directly to the Chairman. He guides the FCC's work on technology and engineering issues, together with the FCC's Office of Engineering and Technology. He advises on matters across the agency to ensure that FCC policies are driving technological innovation, including serving as a resource to FCC Commissioners. He also helps the FCC engage with technology experts outside the agency and promotes technical excellence among agency staff.

Marie A. Bernard, M.D., is the Deputy Director of the National Institute on Aging. She was formerly the Donald W. Reynolds Chair in Geriatric Medicine, and Professor and Chairman of the Donald W. Reynolds Department of Geriatric Medicine at the University of Oklahoma, College of Medicine. Her career consists of a number of esteemed positions that are too numerous to mention right now.

Dr. Bernard's research interests include nutrition and function in aging populations, with particular emphasis upon ethnic minorities. She has had a long-standing interest in comparative effectiveness research, having served as a reviewer for the Agency for Healthcare Policy and Research (now Agency for Health Research Quality) and a reviewer for the Department of Veterans Affairs (VA) Scientific Review Committee, Health Services Research and Development Service. She was a member of the National Advisory Council for the National Institute of Aging, having chaired the Minority Task Force during her tenure.

Panel 1:

Karen J. Cruickshanks, Ph.D., is a professor at the University of Wisconsin School of Medicine and Public Health. She received her Ph.D. in epidemiology from the University of Pittsburgh. She is the Principal Investigator of two longitudinal cohort studies of sensory aging funded by the National Institutes of Health: the Epidemiology of Hearing Loss Study (R37AG11099) and the Beaver Dam Offspring Study (AG021917). Dr. Cruickshanks has served on the National Deafness and Communication Disorders Advisory Council, the American Academy of Audiology's Task Force on Central Presbycusis, the Institute of Medicine Committee on Long Term Effects of Blast Exposure and the Institute of Medicine Committee on Assessment of Noise-Induced Hearing Loss in the Military Service from WWII to the Present.

Lise Hamlin joined the Hearing Loss Association of America's (HLAA) national staff as director of public policy in April 2008. Ms. Hamlin is HLAA's representative on the FCC's Consumer Advisory Committee and has served on the Video Programming and Emergency Access Advisory Committee, the Communications Security, Reliability and Interoperability Council (CSRIC) as well as the ATIS working group on hearing aid compatible phones. She represents HLAA on the Access Board's Rail Vehicle Access Advisory Committee (RVAAC) and served on their Passenger Vessel Emergency Alarms Advisory Committee (PVAAC) and several other notable committees and coalitions. Ms. Hamlin testified before Congress regarding the 21st Century Communication and Video Accessibility Act and, in a different hearing, on access to emergency information.

Matt Huenerfauth is an associate professor of computer science and linguistics at the City University of New York (CUNY); his research focuses on the design of computer technology to benefit people who are deaf or have low levels of written-language literacy. He is an editor-in-chief of the ACM Transactions on Accessible Computing, the major journal in the field of computer accessibility for people with disabilities. Since 2007, Huenerfauth has secured over \$1.6 million in external research funding to support his work, including a National Science Foundation CAREER Award in 2008. He has authored 40 peer-reviewed scientific journal articles, book chapters, and conference papers, and he has twice received the Best Paper Award at the ACM SIGACCESS Conference on Computers and Accessibility, the major computer science conference on assistive technology for people with disabilities. He served as the general chair for this conference in 2012 and is a member of the steering committee for the conference series. He received his PhD from the University of Pennsylvania in 2006.

Andrew Phillips is the Policy Counsel at the National Association of the Deaf. He is responsible for providing analysis, recommendations, and counsel to the NAD on policy issues affecting deaf and hard of hearing people across the United States. Phillips is heavily involved with the NAD's work on federal legislation and the rulemaking processes within various federal agencies such as the Federal Communications Commission. Andrew Phillips earned a J.D. at U.C. Hastings College of the Law in San Francisco where he was a member of the Hastings Science and Technology Law Journal.

Dr. Christian Vogler is an associate professor at the Department of Communication Studies and the director of the Technology Access Program at Gallaudet University. He is a co-principal investigator within the Rehabilitation Engineering Research Center (RERC) on Telecommunications Access, with a particular focus on the accessibility of emergency calling, telecollaboration, and everyday telecommunication methods. In his role at the RERC, he is involved in bringing consumers and industry

together on accessibility issues, as well as developing prototype technologies for improving the accessibility of such systems.

Prior to joining Gallaudet in 2011, Dr. Vogler has worked on various research projects related to sign language recognition and facial expression recognition from video at the University of Pennsylvania; the Gallaudet Research Institute; UNICAMP in Campinas, Brazil; and the Institute for Language and Speech Processing in Athens, Greece. He also runs the DeafAcademics mailing list, a loose network of deaf and hard of hearing researchers all over the world.

Dr. Vogler passionately believes that deaf and hard of hearing people have only scratched the surface of what is possible with the Internet and mobile communication technologies, and that the most exciting technological developments are still to come.

Panel 2:

Kevin Colwell is Vice President of Engineering of Ultratec, Inc. where he is responsible for technology and product development. Kevin has twenty nine years of experience in engineering telecommunications technology including text telephones, amplified telephones, captioned telephone products, and captioned telephone service delivery systems. He has been active in finding access to emergency service solutions for text and captioned telephone users. Prior to joining Ultratec, Kevin was involved in biomedical research at the University of Wisconsin. He received TDI's 2009 Andrew Saks Engineering Award for his work in improving the lives of people with hearing loss through his various innovations with Ultratec and his earlier work with Baudot TTY technologies to the ongoing development and enhancement of current Captioned Telephone technology.

Sandra Gordon-Salant, Ph.D is a Professor and Director of the Doctoral Program in Clinical Audiology in the Department of Hearing and Speech Sciences at the University of Maryland. She earned her Ph.D. in Audiology at Northwestern University. Her research interests include the effects of aging and hearing loss on auditory processes, as well as signal enhancement devices for hearing-impaired listeners. She has published over 70 articles and book chapters on the topic of age-related hearing loss and speech understanding problems of older people. Her research has been supported by the National Institute on Aging on the National Institutes of Health since 1986. Dr. Gordon-Salant received the prestigious James Jerger Career Award for Research Award for Research in Audiology in 2009.

Uwe Jost is Director of Voice to Text Research for Nuance Communications. He has worked on improving human productivity using Automatic Speech Recognition (ASR) technology for two decades now. At Nuance Communications, he is responsible for "collaborative transcription" – the efficient combination of ASR and the work of human agents in the context of converting voice mails into text messages. He has worked on audio indexing, human-machine dialog modelling and probabilistic language modelling at a number of companies, including Canon, SpinVox and HP.

Dr. Dimitris Metaxas is a Distinguished Professor in the Division of Computer and Information Sciences at Rutgers University. He is currently directing the Center for Computational Biomedicine, Imaging and Modeling. Dr. Metaxas has been conducting research towards the development of formal methods upon which computer vision, computer graphics and medical imaging can advance synergistically. Dr. Metaxas has published a book on his research activities titled "Physics-based deformable models: Applications to computer vision, graphics, and medical imaging." He organized the first IEEE Workshop

on Physics-Based Modeling in Computer Vision. He is received several patents and best paper awards for his work on vision, medical imaging and fluid modeling.

Gregg C. Vanerheiden is Director of the Trace Research and Development Center and a Professor in both the Industrial and Systems Engineering and Biomedical Engineering Departments at University of Wisconsin-Madison. He has been working on technology and disability for over 40 years. He was a pioneer in the field of Augmentative Communications before moving to computer access in the 1980s. Many of the accessibility features that now built into the Mac, Windows and Linux computers were created by his group in the 1980s. He has worked with over 50 companies, served on numerous governmental advisory and study committees here and abroad, and has chaired and/or edited many of the early accessibility standards. He is co-founder of "Raising the Floor" and initiated the international efforts to build the Global Public Inclusive Infrastructures.