

PANELISTS

Session 1

From Amazing to Blazing: Taking “Broadband for All” to the Next Level

Part I

What is the Actual Gap Between the Broadband Haves and Have-nots?

Robert Osborn

**Director, Communications Division
California Public Utilities Commission**

Robert Osborn joined the Commission in 2012, and in January 2020 he became Director of the Communications Division. Prior to joining the CPUC, he worked for 20 years in the communications industry – both wireless and wireline – and helped launch one of the first commercial 3G networks in Japan. Robert has a Bachelor of Arts degree from UC Berkeley, and Master of International Affairs degree from the School of Global Policy and Strategy at UC San Diego.



Carolyn McIntyre

**President
California Cable & Telecommunications Association (CCTA)**

Carolyn McIntyre is the President of the California Cable & Telecommunications Association (CCTA). In addition to the day to day administrative responsibilities of the major industry Association, Ms. McIntyre is charged with developing and managing the Association’s state and federal legislative and regulatory policy objectives to protect and enhance the industry’s ability to be innovators in technology, products and communication services.



Prior to joining CCTA, Ms. McIntyre served as Regional Vice President of State Governmental Affairs for Sempra Energy, successfully navigating that company through the California Energy Crisis.

Ms. McIntyre has been involved in the development of public policy for over 20 years and has served in the administration of two Constitutional Officers. She is considered a leader in advocacy and the development of public policy with a political astuteness and aptitude to get things done.

Ms. McIntyre is a graduate of California State University, Sacramento, the American Leadership Forum, Leadership America, and Leadership California. She is also an alumni member of the Board of Directors of Woman Escaping a Violent Environment (WEAVE), an organization which provides services to survivors of domestic violence and sexual assault and a member or supporter of several other non-profit and community organization.

Vinhcent Le

Technology Equity Legal Counsel The Greenlining Institute



Vinhcent Le is a Technology Equity attorney at the Greenlining Institute, where he develops Greenlining’s strategy to protect consumer privacy, prevent algorithmic bias in economic opportunity and to close the digital divide. As an attorney practicing before the California Public Utilities Commission, Vinhcent helped secure multi-million dollar commitments to increase broadband access in California, modernization of the Lifeline program and the development of a program providing laptops to low-income students across the state.

Vinhcent received his J.D. from the University of California, Irvine School of Law and a B.A. in Political Science from the University of California, San Diego. Prior to Greenlining, Vinhcent advocated for clients as a law clerk at the Public Defenders Office, the Office of Medicare Hearing and Appeals and the Small Business Administration.

Preston Thomas

Chief Services and Systems Officer Oakland Unified School District



Preston Thomas is the Chief Systems and Services Officer at Oakland Unified School District (OUSD). He has been leading the Operations Division during the COVID-19 pandemic to ensure that schools are safe and prepared for reopening while also providing critical support to students during distance learning. His support and leadership in Child Nutrition Services, Information Technology and Custodial Services successfully allowed Oakland to provide food and technology to OUSD’s 36,000 students and their families during distance learning with innovative and creative approaches to solving the complex problems posed by the COVID-19 pandemic.

With 26 years at OUSD, Preston started as a biotechnology and life science teacher at Fremont High School in Oakland and launched one of the Bay Area’s first biotechnology programs. Those early experiences created the opportunity for Preston to lead a team of parents, students and community members in the design and launch of Life Academy of Health and Bioscience, which became the first, new Oakland High School in over 30 years. With the highest college going rates in Oakland, Life Academy became a state and national model for Linked Learning by providing rigorous relevant curriculum that promoted college, career and community readiness. The school developed robust partnerships with local hospitals and health care organizations to integrate student learning with career training.

These successes at Life Academy and other Linked Learning pathways throughout Oakland led to a community parcel tax that provided increased resources for high schools to improve equitable outcomes for Oakland’s youth. As the leader of the initiative and Network Superintendent of high schools in Oakland, Oakland’s graduation rate improved by over 14% in four years. He is deeply dedicated to improving student outcomes and uses data to drive critical decisions to ensure that every student is served well. Preston holds a BS in Evolution and Ecology from University of California at Davis and an MS in Education Leadership from Cal State East Bay through a partnership with the National Equity Project.

Heidi Hill Drum
Chief Executive Officer
Tahoe Prosperity Center

Heidi Hill Drum has more than 25 years' experience in public policy, communications and collaboration with government agencies, non-profit organizations, academia and business associations. Her background includes facilitating consensus-based solutions with government agencies and the public on issues ranging from California water disputes, public lands grazing, natural resources, transportation and economic planning. She has expertise implementing collaborative solutions, which make her especially suited to the role of CEO and the Tahoe Prosperity Center's mission of uniting Tahoe's communities to strengthen regional prosperity. She lives with her husband in Lake Tahoe. Together they have two sons and two dogs.



Part II

Real Talk on Universal Broadband: When and How Can We Get It Done?

Greg Lucas
California State Librarian

Greg Lucas was appointed California's 25th State Librarian by Governor Jerry Brown on March 25, 2014.

Prior to his appointment, Greg was the Capitol Bureau Chief for the San Francisco Chronicle where he covered politics and policy at the State Capitol for nearly 20 years. During Greg's tenure as State Librarian, the State Library's priorities have been to improve reading skills throughout the state, put library cards into the hands of every school kid and provide all Californians the information they need – no matter what community they live in.



The State Library invests \$10 million annually in local libraries to help them develop more innovative and efficient ways to serve their communities. Since 2015, the State Library has improved access for millions of Californians by helping connect more than half of the state's 1,100 libraries to a high-speed Internet network that links universities, colleges, schools, and libraries around the world.

Greg holds a Master's in Library and Information Science from California State University San Jose, a Master's in Professional Writing from the University of Southern California, and a degree in communications from Stanford University.

Sam Liccardo

Mayor

City of San Jose



Mayor Sam Liccardo serves in his second term as Mayor of the 10th largest city in the United States, having recently won re-election with 76% of the vote. During his tenure as Mayor, Sam launched a Smart City Vision, aiming to make San José America’s most innovative city, in part by bridging the digital divide. He launched the nation’s first Digital Inclusion Fund to provide broadband access, devices and skills to low-income families, and by 2020, the City’s efforts with community partners have connected more than 100,000 low-income San José residents with free broadband.

He has also led efforts to fund the construction of thousands of units of affordable housing, launch the nation’s largest community choice clean energy utility, provide jobs to more than 4,000 teens living in gang-impacted neighborhoods, launch multi-billion-dollar investments in new transit, and preserve thousands of acres of open space and hillsides from development.

He currently serves as the Chair of the Big City Mayors, a coalition of mayors from California’s 13 largest cities, advocating for innovative solutions to combat homelessness and improve COVID-19 response. Prior to his service in elected office, Sam served as a criminal prosecutor at the federal and local level, prosecuting cases of sexual assault and child exploitation. He is a graduate of Georgetown University, Harvard Law School, and Harvard University’s John F. Kennedy School of Government.

Rudy Reyes

West Region Vice President and Associate General Counsel

Verizon



Rudolph M. Reyes (“Rudy”) is west region vice president and associate general counsel for Verizon and leads public policy and legal affairs for the company in the Western United States. Rudy previously served as chief regulatory counsel, chief legislative counsel, and most recently vice president of government affairs for Verizon in California before achieving his current position in April 2017.

Having the opportunity to work on public policy and law at Verizon was a dream come true for Rudy, who previously toiled at various law firms practicing litigation and, briefly, software licensing until the “dot com” bust hit in the early 2000’s. After joining Verizon in 2003, Rudy led the legal team that worked with leaders at the California PUC to eliminate monopoly-era price and earnings regulation of incumbent telephone companies, resulting in a “uniform regulatory framework” for telecommunications. He then worked with state leaders in Sacramento to pass legislation affirming the CPUC’s policy not to regulate Voice over Internet Protocol (VoIP) services (2012), implementing a point-of-sale collection mechanism for prepaid wireless services (2014), and adopting a “shot clock” to ensure timely action by local governments on wireless infrastructure permits (2015).

Rudy currently leads an 18-state team of government affairs and legal professionals who have worked with state leaders to pass legislation in multiple states in the West modernizing the local process for deploying advanced

wireless infrastructure known as “small cells” and laying the groundwork for 5G. In addition, Rudy led the team that negotiated a groundbreaking public-private partnership with the City of Sacramento resulting in Verizon naming the Capital City as the first 5G city in the country including an over \$100 million investment in state-of-the-art network connectivity and smart community infrastructure.

Rudy loves to share his story of being a “scholarship kid” who was given a life-changing opportunity at the age of 16 to leave his hometown of Houston to attend Milton Academy in Massachusetts on full scholarship. After graduating cum laude from Milton in 1990, Rudy then attended Harvard College, graduating in 1994 magna cum laude, and Harvard Law School, graduating cum laude in 1998. Rudy and his husband, Brody, live in San Francisco with their 1st grade son, Pablo.

Marisol de La Vega Cardoso
Chief Administrative Officer
Family HealthCare Network

Marisol de la Vega Cardoso has served as the Chief Administrative Officer for Family HealthCare Network since March 2021 and brings 22 years of experience as a leader in the Federally Qualified Health Center setting. Prior to her role as the Chief Administrative Officer, she served as the organization’s Chief Business Development Officer, Director of Business Development, and the Director of Quality Improvement. As Chief Administrative Officer, she is responsible for the strategic vision and leadership of human resources, compliance, training and organizational development, business development, marketing and branding, grants management, community health and outreach/enrollment initiatives, and other special programs. Mrs. de la Vega Cardoso began her career serving five years at The California Endowment, the largest private health care foundation in the State of California as a regional grant maker for their cultural competency and workforce strategies, and the Local Opportunities Fund, fueling her expertise in development. Marisol is an alumni of the University of California, Los Angeles.



Family HealthCare Network is a private nonprofit Federally Qualified Health Center that operates 41 sites, located throughout Tulare, Fresno, and Kings Counties. Our mission is to provide quality health care to all. With 2,300 staff including 300 clinical providers in our network, we provide access to a wide range of coordinated health services, including family medicine, obstetrics and gynecology, pediatrics, adult and children’s dentistry, pharmacy, internal medicine, behavioral health, nutritional counseling, health education, case management, community health and outreach, and eligibility assistance. An array of 14 specialty services such as optometry, chiropractic care, podiatry, perinatology, endocrinology, and general surgery complement our full list of services offered. Family HealthCare Network also offers free transportation and extended evening and weekend hours. Family HealthCare Network is recognized by the National Committee for Quality Assurance (NCQA) as a Patient Centered Medical Home and is dually recognized by The Joint Commission with its Gold Seal of Approval® for Patient Quality and Safety and as a Patient Centered Primary Medical Home.

Session 2

The Resiliency Challenge: New Responsibilities for the Network

Mark DiNunzio

**Director of Regulatory Affairs
Cox Communications**



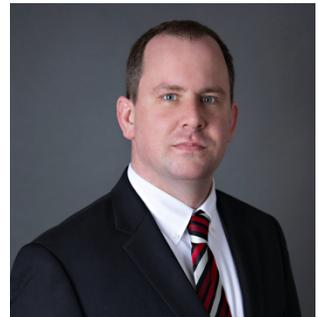
Mark DiNunzio is the Director of Regulatory Affairs for Cox Communications and has been with the company for the last 18 years. He has regulatory responsibilities for California, Arizona and Nevada, overseeing regulatory compliance with state and federal regulations.

Mr. DiNunzio has represented Cox before state public utility Commissions on key telecommunications dockets, advocating on company strategic policy positions and on other regulatory issues. He previously worked for the Arizona Corporation Commission serving in varying capacities as a former policy advisor for an elected Commissioner to being the former Assistant Director for the Utilities Division.

He earned his bachelor's degree in Business Administration from Youngstown State University, Ohio, where he also received his master's degree in economics. Mr. DiNunzio serves as a Board member for the California Cable and Telecommunications Association.

John Kennedy

**Legislative Advocate
Rural County Representatives of California**



John Kennedy serves as a Legislative Advocate for the Rural County Representatives of California where his portfolio includes lobbying the Legislature on solid and hazardous waste, energy, public safety power shutoff events, the California Environmental Quality Act, and other issues. Mr. Kennedy has also engaged extensively in many proceedings at the California Public Utilities Commission, including Deenergization, Microgrids, Self-Generation Incentive Program, and Emergency Disaster Relief Program. Prior to joining RCRC, Kennedy served as Chief Consultant for the California State Assembly Republican Caucus Office of Policy and Budget. In his twelve years working for the Assembly, he handled all measures coming before the Natural Resources and Environmental Safety and Toxic Materials Committees and worked extensively on budget issues appearing before the Assembly Budget Subcommittee #3 on Resources and Transportation. Mr. Kennedy holds a Juris Doctorate from University of the Pacific McGeorge School of Law and is a member of the California State Bar. He lives in West Sacramento, California with his wife and three children.

Dan Schweizer

Director of Government Affairs

Crown Castle



Dan Schweizer is the Crown Castle Government Affairs Director for the West. In that capacity, Dan leads a team of Government Affairs Professionals throughout the West tasked with building relationships at the municipal and state level to drive mutually beneficial outcomes. Dan has been with Crown Castle for almost 10 years and has been in the utility space in California since 2006. Prior to working in telecom, Dan was a Program Manager with San Diego Gas and Electric, and an Apache Pilot in the U.S. Army. Dan holds a juris doctor from Thomas Jefferson School of Law, an MBA from Arizona State, and a BS in Professional Aeronautics from Embry-Riddle Aeronautical University. He is licensed to practice law in the State of California.

Session 3

The Federal Funding and Policy Picture – What Monies and Priorities Will Be Flowing to California?

Congresswoman Doris Matsui

Vice Chair

Communications and Technology Subcommittee



Congresswoman Doris Matsui has represented the city of Sacramento and its surrounding areas since 2005. As a senior member of the House Energy and Commerce Committee, she serves on the Health, Environment and Climate Change, and Consumer Protection and Commerce subcommittees and is the Vice Chair on the Communications and Technology subcommittee. She is committed to strengthening Sacramento's flood protection, ensuring quality, affordable health care for all, promoting a clean energy economy, and creating a vibrant region where families can live, work, and play.

Sitting at the confluence of two rivers, the Sacramento area has one of the highest flood risks in the country. Congresswoman Matsui is a stalwart champion for increased flood protection, levee improvements, keeping flood insurance rates affordable, and rebuilding smarter and more resiliently in the face of a changing climate. She was at the forefront of the effort to build the Joint Federal Project at Folsom Dam by working to secure \$1 billion for this critical project that became the model of cooperation and efficiency. In addition, she worked rigorously to federally authorize the Natomas Levee Project. More recently, the Congresswoman was instrumental in securing \$1.8 billion last year to help strengthen the Sacramento region's levees and raise Folsom Dam. She also fights to preserve the region's water rights. With climate change being a primary cause of more intense and unpredictable weather patterns her role in securing funding for flood control and infrastructure projects is even more critical.

Congresswoman Matsui passionately works to increase public transportation options in Sacramento. She is engaged in the planning and execution of an intermodal transportation center in downtown Sacramento and

secured federal funds to extend Sacramento's light rail system, including helping to provide critical federal resources to link Sacramento and West Sacramento. She also helped secure passage in the U.S. House of autonomous vehicle technology in the 115th Congress and plans to continue to lead in the effort to safely deploy intelligent and automated transportation technologies that will transform how we conduct business, transact and travel.

She has worked tirelessly to improve access to high-quality, affordable, accessible health care and was instrumental in crafting the Affordable Care Act (ACA), as a member of the Energy and Commerce Committee. She is a leader in Congress on the rapidly growing issue of telehealth and is the author of the bipartisan Excellence in Mental Health Act, which was signed into law by President Obama in 2014. A \$1.1 billion federal investment, the Excellence in Mental Health Act demonstration will revitalize the community-based mental health system by creating a network of high-quality, evidence-based Certified Community Behavioral Health Clinics (CCBHCs) in communities across the country. Congresswoman Matsui is the co-chair of the Congressional Task Force on Aging and Families, where she addresses the full spectrum of issues that affect seniors, from retirement security to long term care. Congresswoman Matsui also serves on the bipartisan Telehealth Working Group, helping to open up reimbursement for telehealth within the Medicare program.

Congresswoman Matsui has been a leader in Congress on promoting policies that address the climate crisis. Under her leadership as a co-chair of the Sustainable Energy and Environment Coalition (SEEC), the Caucus has spearheaded numerous initiatives aimed at promoting sustainable infrastructure, tax incentives for clean energy, and blocking harmful directives from the Trump Administration that would undermine protections for human health and the environment. She has also authored a number of legislative proposals aimed at reducing greenhouse gas emissions while boosting clean energy manufacturing and financing to help smaller clean energy companies grow and create jobs. This includes commonsense new legislation, H.R. 978 that preserves higher fuel economy and vehicle emissions standards as well as a bill that ensures our healthcare system is ready and able to rapidly respond to the climate crisis. She also sponsored legislation that allows her constituents to participate in the clean energy economy through specifically designated treasury bonds that fund renewable energy and energy efficiency programs at the Department of Energy. Thanks in large part to her efforts, the Sacramento region has been transforming into a clean-tech capitol, with over 200 companies in the region.

Congresswoman Matsui is also a leader on technology and internet policy. She is a Co-Chair of the bipartisan Congressional Spectrum Caucus, having authored laws that facilitated record-breaking spectrum auctions. She continues to focus on promoting the deployment of next-generation wireless technologies, such as 5G. She is also a leading proponent of net neutrality and ensuring access to the free and open Internet, previously writing legislation that would prohibit so-called Internet fast lanes from harming consumers, small businesses and innovators. As the co-chair of the bipartisan Congressional High Tech Caucus, she advocates for policies to expand the innovative use of technology across every sector of the economy. She also is an ardent supporter of advancing STEM education, especially for women and girls.

Because she has always felt the arts connect innovation with creativity and passion, Congresswoman Matsui has been a strong supporter of the arts not only in the Sacramento community but nationwide. She currently serves as a Member of the Board of Regents for the Smithsonian. She is also on the Council of the National Museum of African American History and Culture, and the Council of the National Museum of American History. She has previously served on the National Symphony Board and the Arena Stage Board.

Before coming to Congress, Doris Matsui served as Chairwoman on the Board for the KVIE public television

station in Sacramento, and in leadership capacities for the Crocker Art Museum, Sacramento Children's Home, and the Sacramento Symphony Orchestra.

After growing up on a farm in California's Central Valley, Congresswoman Matsui graduated from the University of California at Berkeley. She served as one of eight members of President Clinton's transition board and later served as Deputy Assistant to the President in the White House Office of Public Liaison. Congresswoman Matsui succeeded her late husband Robert Matsui (who served in Congress from 1979-2005) in a special election in March 2005. Congresswoman Matsui has a son Brian Matsui and a daughter-in-law Amy Matsui. She has two grandchildren, Anna and Robby. In the Spring of 2020, Congresswoman Matsui married Roger Sant, adding four children, their spouses, and six grandchildren to her family.

Mary Henze

Assistant Vice President of Federal Regulatory AT&T

Mary L Henze, AVP-Federal Regulatory, AT&T, joined AT&T from BellSouth in 2007 and has been responsible for advocacy and strategy on all Universal Service issues ever since. In 2015, AT&T accepted CAF II support in 18 states and hands-on experience with meeting the requirements of that program inspired Henze to a leadership role in reforming broadband mapping.



Doug Brake

Director, Broadband and Spectrum Policy Information Technology and Innovation Foundation

Doug Brake directs the Information Technology and Innovation Foundation's work on broadband and spectrum policy. He writes extensively and speaks frequently to lawmakers, the news media, and other influential audiences on topics such as next-generation wireless, rural broadband infrastructure, and network neutrality.



Brake is a recognized broadband policy expert, having testified numerous times before Congress, state legislatures, and regulatory commissions, as well as serving on the FCC's Broadband Deployment Advisory Group. His written commentary has appeared in publications such as *Democracy Journal*, *Ripon Forum*, *Morning Consult*, *Roll Call*, *The Hill*, and *RealClearPolicy*, and he has provided analysis on air for broadcast outlets such as Bloomberg, NPR, CNBC, and Al Jazeera.

He previously worked as a research assistant at the Silicon Flatirons Center at the University of Colorado, and he interned as a Hatfield scholar at the FCC, assisting with the implementation of the advanced communications services section of the 21st Century Communications and Video Accessibility Act.

Brake holds a law degree from the University of Colorado Law School and a bachelor's degree in English literature and philosophy from Macalester College.

Leslie Abasta-Cummings

Chief Executive Officer

Livingston Community Health

Leslie has worked at Livingston Community Health for over 10 years. Prior to becoming CEO in 2012, Leslie served in a leadership role as the Director of Planning and Development when she joined LCH in 2008. Leslie received her Master's in Public Health at California State University Fresno and her Bachelor's Degree from California State University Stanislaus. She is an advocate for community health centers with a dedication to providing quality, comprehensive, affordable, patient centered services to all individuals with or without the ability to pay.



Jeff Campbell

Senior Vice President, Government Affairs & Public Policy

Cisco Systems

Jeff Campbell is the Senior Vice President of Government Affairs and Public Policy at Cisco. He oversees government affairs activities for the Americas, Cisco's largest geographic region, and leads Cisco's policy agenda in the Western Hemisphere. In this role, Jeff is responsible for conferring with government and industry leaders to shape public policies that foster innovation and emerging digital technologies.



Since joining Cisco in 2001, Jeff's deep expertise and background in telecommunication and internet regulation, intellectual property law, energy regulation, and international trade have helped advance the company's many priorities. During his tenure, he has successfully advocated for policies that enable the future of wireless technologies and 5G, improve the digitization of education and rural communities, and reduce barriers to digital trade, among others.

Passionate about bridging the "digital divide" and powering a more inclusive future, Jeff represents Cisco on the Board of Directors for the California Emerging Technologies Fund, which works to accelerate the deployment of broadband in unserved and underserved communities. He also sits on the Board of Directors for the Telecommunications Industry Association.

Prior to Cisco, Jeff headed the Washington, D.C. government affairs office of Compaq Computer and began his career as a telecommunications regulatory attorney for the international law firm Squire, Sanders & Dempsey.

Jeff holds a Bachelor of Arts in History from Yale University and a J.D. from Georgetown University Law Center.

Session 4

Visions from the Future: Come and See For Yourself

Ashish Atreja, M.D.

**Chief Information and Digital Health Officer
UC Davis Medical Center**

Ashish Atreja, M.D., M.P.H., F.A.C.P., A.G.A.F., oversees UC Davis Health's expansion of its digital relationships with patients and with other hospitals, bridging the gap between IT, academia, research, and innovation as "Digital Davis" becomes a global hub for digital health.

Prior to his UC Davis Health appointment, Atreja, a gastroenterologist, served as the chief innovation officer for the Department of Medicine at Mount Sinai Hospital. At Mount Sinai, Atreja established one of the first innovation hubs within an academic medical center to build and test disruptive digital health technologies – those that transform the industry. Atreja is credited with coining the term "Evidence-based Digital Medicine (EBDM)," and is often referred to as "the app doctor" for his work in pioneering digital therapeutics and prescribing mobile health apps for patients.

Prior to his work at Mount Sinai, Atreja was at the Cleveland Clinic, where he was Associate Program Director for Informatics Fellowship, led electronic health record implementation, and won an innovation award for developing one of the first virtual pager and messaging applications that was successfully licensed.

In 2016, Atreja established the non-profit Network of Digital Medicine (NODE.Health) Association to connect innovation centers worldwide and share best practices for evidence-based digital medicine between industry, payers and health systems. Atreja has published 90 academic papers, received multiple NIH and industry grants, presented more than 200 abstracts, and has been a keynote speaker globally on digital health transformations.

Atreja has held key positions in many professional organizations, including in the American Gastroenterological Association and American College of Cardiology. He supported large-scale patient outreach programs during the COVID-19 pandemic through national and international coalitions, and was recently nominated among the Top 40 HealthCare Transformers. In addition to a medical degree, Atreja holds a master's in public health, and is a fellow of the American College of Physicians.



Jonathan Carter

**Associate Laboratory Director for Computing Sciences
Lawrence Berkeley National Labs**

Jonathan Carter is the Associate Laboratory Director for Computing Sciences at Lawrence Berkeley National Laboratory (Berkeley Lab). The Computing Sciences Area at Berkeley Lab encompasses the National Energy Research Scientific Computing Division (NERSC), the Scientific Networking Division (home to the Energy Sciences Network, ESnet) and the Computational Research Division.

Dr. Carter's research interests are in the evaluation of system architectures and algorithms for high-performance computing, and in computational chemistry and physics simulations. Recently he has been engaged in a project



to look at computer architectures beyond the end of Moore's Law and has focused on techniques to perform simulations for computational chemistry using newly developed quantum computing test-beds. He brings a unique perspective to his work, formed from using computing resources as a domain scientist, from performing performance analyses of computer architectures, and from his experience in moving large-scale computational systems from idea to reality.

Carter joined Computing Sciences as part of the National Energy Research Scientific Computing (NERSC) Division at the end of 1996, working with a broad range of scientists to optimize applications, transition projects from shared-memory vector systems to massively parallel systems, and providing in-depth consulting for materials scientists and chemists using NERSC. He became group leader of the consulting group at the end of 2005. During his time at NERSC, he led or played a lead role in teams that procured and deployed three of the fastest computing systems in the world.

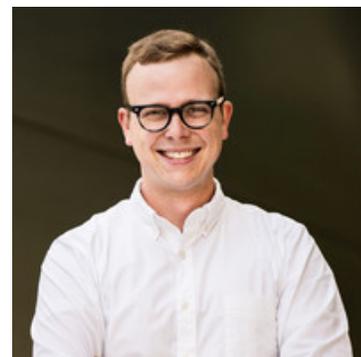
Before coming to Berkeley Lab, Carter worked at the IBM Almaden Research Center with the Center for Computational Chemistry with a focus on developing fast, accurate and usable electronic structure models and software, and generally on chemical problems relevant to IBM's business. During his postdoctoral work at the University of British Columbia, Canada, he participated in some of the first work to use Density Functional Theory to calculate electromagnetic properties of small molecules. He holds a Ph.D. and B.S. in chemistry from the University of Sheffield, UK.

Steve Johnson

Founder

SeeBoundless

Steve Johnson is a photojournalist, technologist, professor and entrepreneur leading the charge in immersive storytelling across news organizations, non profits and universities.



His company, SeeBoundless, works tirelessly innovating news gathering practices, rewriting university courses to include immersive storytelling and finding new ways for audiences to learn about the world around them.

His work in 2018 with augmented reality news takes audiences across the globe by putting entire buildings and city blocks right in front of them using Apple's ARKit technology - the first AR driven journalism series ever.

Working with fellow journalists to write the manual on immersive storytelling, he has developed standards and practices, ethics guidelines and tools that are used among news organizations and universities nation-wide. His stories can be found in the pages and websites of The Washington Post, Reuters, European Pressphoto Agency and The New York Times.
