Roger Baig Viñas

Roger Baig Viñas received his degree in industrial engineering (2002) from the Universtiat Politècnica de Catalunya (UPC) and currently is working on his PhD on community networks at the same university. He joined the guifi.net community as a volunteer in 2006. In 2011, he was hired at the Foundation for the Neutral, Free and Open Network, the non-profit organization that represents the guifi.net project. He is currently coordinating its participation in international projects. He has actively contributed to many aspects in guifi.net, such as organizing community events, promoting projects, giving talks, and has gained a broad knowledge of community networks. His research interests are on business models, sustainability, and governance of community networks. Currently he is the secretary of ISOC-CAT association.

Jochai Ben-Avie

Jochai Ben-Avie is the Senior Global Policy Manager at Mozilla, where he works on a range of global policy issues as diverse as the internet, including leading Mozilla's Equal Rating initiative. In 2017, Jochai was selected as a World Economic Forum Global Shaper. Prior to his time at Mozilla, Jochai was the first policy director at Access Now (AccessNow.org), an international organization that defends and extends the digital rights of users at risk around the world. Jochai previously served on the steering committee for and was one of the co-drafters of the International Principles on the Application of Human Rights to Communications Surveillance. Jochai graduated summa cum laude from Bard College at Simon's Rock with a BA in political science and social psychology.

Manu Bhardwaj

Manu is Vice President for Research and Insights at the Mastercard Center for Inclusive Growth. In this position, Manu is responsible for proactively identifying and building relationships with relevant new individuals and institutions for the Center. In addition, Manu works closely with the Center's executive director and chief economist in managing and fully leveraging existing relationships with the Center's senior fellows and university partners. Manu is looking forward to helping deliver on the Center's message of inclusive growth and expanding Mastercard's global influence.

Manu served as a political appointee in the Obama Administration for the past eight years, while also serving on the 2008 Obama-Biden Transition Team. In 2009, Manu was a digital economy advisor at the US Department of Commerce, where he handled the full range of technology matters. From 2011 to 2016, Manu reported directly to the Under Secretary of State and three US Ambassadors, advising them on trade, intellectual property, cybersecurity, internet-related national security, and data privacy matters. Manu has had formal responsibility to communicate US positions to over 60 countries and at hundreds of UN and other multilateral meetings. Manu has also served as an advisor at the White House, at the US Senate, and at a US District Court. Over the past 17 years, Manu served in all three branches of the US federal government and has also practiced telecommunications law and general litigation at major private law firms.

Manu has a law degree from the University of Michigan and completed his undergraduate degree at Northwestern University.

Vanu Bose

Dr. Bose is CEO of Vanu, Inc., a provider of innovative wireless infrastructure solutions. Founded in 1998, Vanu, Inc. pioneered the commercialization of software-defined radio and was the first company to receive FCC certification of a software-defined radio. Dr. Bose has been granted the personal distinctions of being named a World Economic Forum Technology Pioneer and a ComputerWorld Honors Program Laureate. He is currently serving as a member of the United States Army Science Board, the Bernard M. Gordon-MIT Engineering Leadership Program Industry Advisory Board, and the MIT Corporation. He previously served as a Commissioner to the UN Broadband Commission for Digital Development from 2012-2015 and as a Member of the Board of Trustees for the Boston Museum of Science from 2007-2013. Dr. Bose was a technical expert for the President's Council of Advisors (PCAST) report: "Realizing the full potential of government-held spectrum to spur economic growth", and is the Founder and Chairman of the National Spectrum Consortium. Most recently in June of 2016, Dr. Bose was asked to serve on the m-Powering Development Advisory Board for the ITU. Dr. Bose received his B.S, M.S. and PhD degrees in Electrical Engineering and Computer Science from MIT.

Mark Buell

Mark Buell is the Regional Bureau Director for North America for the Internet Society. In this role, Mark oversees the Internet Society's engagement activities in Canada and the United States.

From 2009 to 2016, Mark held a variety of positions with the Canadian Internet Registration Authority (CIRA), the registry for the .ca country code top-level domain. At CIRA, Mark provided senior-level support for the organization's activities in domestic internet policy and global internet governance fora. In 2010, Mark initiated the Canadian Internet Forum, Canada's IGF, and continued to coordinate the event until 2016. He also established CIRA as a leader in the domain name industry in the use of social media.

Prior to joining CIRA, Mark spent a decade working in indigenous health policy, first as a community development officer at an Inuit land-claim organization in the western Canadian Arctic, then as the director of communications and research at the National Aboriginal Health Organization in Ottawa.

Mark is based in Ottawa, Canada.

Paul M. Cunningham

Paul is President and CEO of International Information Management Corporation, Founder and Director of the IST-Africa Institute, Founder and Coordinator of mHealth4Afrika, and Visiting Senior Fellow at Wrexham Glyndŵr University. A member of the Institute of Directors in Ireland, Paul works as a technology, strategy, and policy expert for organizations including the World Bank as well as European and nationally funded research and innovation programs in Europe and Africa.

IST-Africa is a not-for-profit strategic collaboration with ministries and national councils responsible for innovation, science and technology adoption, implementation, policy and research in 18 African member states. mHealth4Afrika is co-designing an open source, multilingual mHealth platform integrating electronic medical records, medical sensors, and generation of monthly aggregate health indicators to strengthen primary healthcare delivery in resource-constrained health clinics in Africa.

An IEEE Senior Member, Paul is 2017-2018 President of the IEEE Society on Social Implications of Technology (SSIT); Projects Chair, IEEE Humanitarian Activities Committee; Member, IEEE Technical Activities Board and IEEE Global Public Policy Committee; and Founder and Chair, IEEE SSIT IST-Africa SIGHT.

Paul is a graduate of Trinity College Dublin and UCD Michael Smurfit Graduate Business School; has studied at postgraduate level in Hungary and USA; and is completing a PhD at the Department of Computer and Systems Sciences (DSV), Stockholm University.

Solomon Darwin

Professor Solomon Darwin has broad leadership experience in corporate management and academia. He is an international speaker recognized by peers, executives, and students with numerous awards for his innovative leadership and passion for teaching. He inspires students from both business and engineering disciplines, teaching courses in open innovation, business models, building smart cities, scalable smart villages, IBM Watson, and business models for emerging economies.

As an expert in open innovation and open business models, he is an adviser to senior executives of prominent multinationals and government leaders in the emerging world. Prior to joining Berkeley-Haas in 2005, he was an associate professor for nine years at the University of Southern California.

His progressive corporate leadership experience covers a span of 14 years as a senior executive officer at Bank of America, First Interstate Bank, Glendale Federal Bank, and Motorola.

Solomon teaches in executive programs at prominent international universities and institutions and serves as honorary professor at several universities in Europe, China, and India.
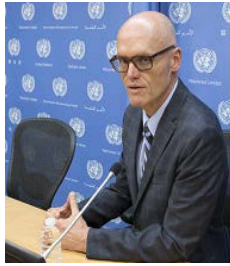
He completed writing a book called *The Declining Balance Sheet of the Earth*, making a case for the need for real-time global consensus through digital technologies to address the emerging socio-economic and stewardship issues concerning our planet.

Also known as "Father of Smart Villages," he is the architect of the "Scalable Smart Villages Project" commissioned by the Government of Andhra Pradesh, India.

Patricia A. Davis-Muffett

Patricia A. Davis-Muffett is the Senior Leader for Global Public Sector Marketing at Amazon Web Services. Davis-Muffett's job is to build awareness of AWS' offerings for government customers. Within the federal space, she is an evangelist for the US government's use of cloud technology and has worked across the community to educate agencies on realistic adoption models and innovative technologies, helping make "cloud first" a practical reality. Prior to joining AWS, she led marketing efforts at other federal government contractors, including NetApp, Unisys, and Robbins-Gioia. Davis-Muffett holds a master's degree from the University of Minnesota and PMP and PCM designations, is an ACT-IAC Fellow, and was a Federal 100 winner in 2017. She is active in government/industry collaboration efforts and in groups promoting girls and women in STEM.

Gary Fowlie

Gary Fowlie is Head of the International Telecommunication Union (ITU) Liaison Office to the United Nations (UN). ITU is the specialized agency of the UN responsible for information and communication technology.

Mr Fowlie led a UN inter-agency effort to ensure that science, technology, and innovation were adopted as key catalysts for the achievement of the UN Sustainable Development Goals (SDGs). His work focused on information and communication technology (ICT) targets in the areas of education, gender equality, infrastructure (universal and affordable access to the internet), and as a means of implementation across all 17 SDGs. The UN sustainable development agenda, an agreed blueprint for sustainable development in all nations, came into effect on 1 January 2016. It recognizes *"global connectivity and ICTs as having great potential for human progress."*

Prior to joining the UN and ITU, Mr. Fowlie worked as an account director for the global technology practice of the consulting firm Hill and Knowlton. At the UN, he was responsible for the communications and marketing strategy for the UN World Summit on the Information Society. From 2005-2009 he occupied the post of chief of media liaison for the UN in New York. He is an economist and journalist, having worked for the news service of the Canadian Broadcasting Corporation and The Economist.

Mr. Fowlie is a graduate of the Universities of Alberta, Alabama, and the London School of Economics.

Doyle Gallegos

Doyle Gallegos is Global Lead, Broadband Access for All, in the Transport and ICT Global Practice of the World Bank and Coordinator for the new WB/IFC Digital Infrastructure Initiative (DII). Mr. Gallegos leads the Bank's telecom policy and regulatory agenda, regional backbone and rural connectivity programs, and implementation of PPPs in client countries. Prior to joining the World Bank, he worked with Booz Allen Hamilton as a senior advisor and as a senior manager in Deloitte Consulting throughout the Middle East, Latin America, Europe, and US. Mr. Gallegos also has held VP-level positions with telecom start-up and emerging business enterprises. Mr. Gallegos has an MBA in finance from the Wharton School and an undergraduate degree in economics from Columbia University.

Antonio García Zaballos

Antonio García Zaballos is Lead Specialist on Telecommunications in Institutions for Development, and he is also the leader of its broadband initiative. He has extensive experience in the telecom sector, where has worked in different positions of responsibility. At Deloitte Spain, he led the practice of regulation and strategy for Latin America and the Caribbean, and previously he was the chief economist of the Cabinet for Economic Studies of Regulation in Telefónica of Spain. Before joining Telefónica, Antonio was deputy director of economic analysis and markets at the Spanish telecom regulator (CMT).

During his career, Antonio has provided advisory services to regulators, telecom operators, and governments in countries such as Saudi Arabia, China, Ecuador, Argentina, the Dominican Republic, Paraguay, Polonia, and the Czech Republic. He holds a PhD in economics from the University Carlos III of Madrid and is an associate professor of applied finance to telecommunications at the Instituto de Empresa Business School. He is the author of several publications on economic and regulatory aspects for the telecommunications sector.

John Garrity

As Senior Connectivity Advisor within the Global Development Lab, John Garrity supports USAID's operations on extending internet access and adoption through policy engagement and program management. This includes identifying and shaping policy and regulatory reform with respect to broadband expansion, engaging with various public and private stakeholders, leading on the technical aspects of developing and maintaining public-private partnerships around digital infrastructure investments and expansion, and assessing feasible technologies for last- and middle-mile infrastructure deployments, including identifying new, low-cost technologies that might replace current infrastructure.

Before USAID, Garrity spent ten years at Cisco, most recently as senior manager of policy research managing technology policy engagements and articulating the appropriate policies to expand broadband infrastructure deployment. His first role at Cisco was as manager of emerging market strategy, responsible for advising Cisco's emerging markets expansion strategy across 130 countries utilizing macroeconomic analysis and engaging in the public dialogue on the role of information and communications technologies. Prior to Cisco, Garrity was in the corporate strategy group at the World Bank and held previous roles at the Federal Trade Commission and in state government. He holds undergraduate and graduate degrees in applied development economics from The Ohio State University.

Boutheina Guermazi

Boutheina Guermazi is a Practice Manager for Information and Communication Technologies (ICT) in the Transport and ICT Global Practice of the World Bank. Under her management, this unit designs and implements activities and programs aimed at supporting countries in Africa and MENA to unleash digital opportunities for inclusive development. These include policies and programs relating to broadband infrastructure, mobile networks, digital government, ICT skills, and industry development. Previously, she worked as lead regional integration specialist in the Africa region, focusing on creating regional solutions to the continent, and as a senior regulatory specialist for the telecom sector. She has led complex connectivity projects in West Africa, supported the creation and strengthening of a number of regulatory authorities, and led complex policy and regulatory reforms in a number of countries.

Before joining the Bank, Boutheina was an assistant professor at the University of Law and Political and Social Sciences of Tunis and worked at the International Telecommunications Union (ITU).

Boutheina holds a PhD in telecommunications law and policy from the Faculty of Law at McGill University, Canada; an LLM in international law from Indiana University; and a Bachelor's degree in public law from the University of Tunis. She held a Fulbright Scholarship and was a research scholar at the University of Michigan, the Social Science Research Council (USA), and the Center of Studies for Regulated Industries (Canada). She has written and published a number of articles and book chapters on trade law, telecommunications policy, and regulatory reform.

Tereza Horejsova

Dr. Tereza Horejsova is Director for Project Development at DiploFoundation. She holds an MA in international area studies and a PhD in European studies, both from the Charles University in Prague. Tereza has had an international career in academia and the non-governmental sector in the Czech Republic, the United Arab Emirates, and Switzerland.

Since 2012 she has worked for DiploFoundation, an NGO providing capacity development programs in digital policy and related issues. During her professional stay

in Geneva (2012-2016), she helped conceptualize and coordinated the activities of the Geneva Internet Platform, an initiative of the Swiss authorities operated by Diplo. Tereza is currently based in Washington DC.
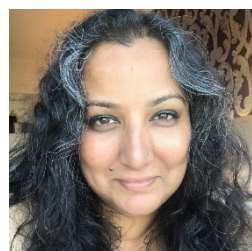
Sonia N. Jorge

Sonia N. Jorge is the Executive Director of the Alliance for Affordable Internet and Director of Digital Inclusion Programs for the Web Foundation. An expert in the confluence of development and communications policy, Sonia has over 25 years of diverse international experience in a career spanning both the private and not-for-profit sectors.

Her work has included ICT policy and regulatory advice and analysis, strategic industry planning, national ICT/broadband policy development, and the creation of new legal and regulatory frameworks to address issues around competition, cost-based pricing, spectrum management, and infrastructure development and sharing. Sonia is an avid advocate of gender equality in development, and has worked extensively to promote gender analysis and awareness in the ICT planning process, as well as an understanding of the importance of universal access and digital inclusion for development.

Sonia is a frequent speaker at international, regional and national events, including at the World Economic Forum, Stockholm Internet Forum, Transform Africa, Mobile World Congress, Internet Governance Forums, the Latin American Telecommunications Congress and several ITU events. She also serves as a member and expert in a number of Committees, including the DFID's Digital Access Panel for Africa, the ITU-UN Women EQUALS Initiative, the World Economic Forum's Future of the Internet Initiative, the Broadband Commission Working Group on the Gender Digital Divide, and the Advisory Committee on International Communications and Information Policy (ACICIP) Subcommittee of the US State Department on ICT4D.

Sonia has worked in over 30 countries around the globe and, prior to joining the Web Foundation in 2013, was director of research & consulting at Pyramid Research. She holds a Master's degree in public policy, a degree in economics and business finance, and is fluent in Portuguese, Spanish, and English.

Parul Seth Khanna

Parul Seth Khanna is the co-founder and director of pinBox Solutions, a Singapore-based fintech enterprise committed to supporting digital pension inclusion in developing countries. She also heads the microPension Foundation, an India-based non-profit R&D hub.

Over the years, Parul has led the development and implementation of digital outreach and distribution platforms for micro-pension and micro-insurance targeting low income women in developing countries. This includes "gift-a-pension"—the first global P2P ePension platform for pension and insurance inclusion for home help (maids, drivers, guards, cooks) and blue-collar workers in export factories in India. Parul has worked extensively in several countries in South Asia and East Africa and assisted governments and pension regulators with designing retirement literacy tools and strategies for expanding voluntary pension coverage among low income, non-salaried informal sector workers.

Parul also leads global partnerships and the communities vertical at pinBox, which is focused on fostering constructive dialogue and cooperative action on pension inclusion and coverage expansion between the financial and the pension inclusion policy, regulatory, research, and business communities.

In a previous life, Parul was a journalist in electronic media and worked at BBC, CNBC, and NDTV. She co-edited the book *Saving the Next Billion from Old Age Poverty: Global Lessons for Local Action* with Gautam Bhardwaj and William Price, published in October 2017.

Kartik Kulkarni

Kartik Kulkarni is an internationally recognized technologist known for his innovative contributions and leadership in developing high-performance computing systems to solve big-data management problems across multidisciplinary domains such as financial services, healthcare, e-governance, education, poverty alleviation, assistive technologies, and security.

He is a primary contributor to the Oracle In-memory Database, which enables real-time data analytics on mission-critical information systems. He develops memory-hardware aware algorithms to enable scale-out of transactions processing and high availability of data. Kartik is an inventor on 8 US patents (issued and pending) and several peer-reviewed technical publications. He earned his Master's from Carnegie Mellon University (CMU) in electrical and computer engineering, and he is an alumnus of CMU's Parallel Data Lab.

Kartik chaired the IEEE Special Interest Group on Humanitarian Technology (SIGHT) Steering Committee. SIGHT is a growing community of approximately 100 groups of engineers in 35 countries and 7 IEEE Technical Societies that are working on solving community problems using technology solutions. This community has engaged and supported over 3000 engineers benefiting tens of thousands of people through projects and activities in areas such as education, energy, health, and assistive technologies. Kartik was recognized as a 2015 USA's New Face of Engineering by DiscoverE Foundation.

Timothy Lee

Timothy Lee, currently a Boeing Technical Fellow, is responsible for the development of radio frequency (RF) and digital electronics for advanced communications networks and sensor systems at The Boeing Company (1998-Present). He is leading the development of state-of-the-art complementary metal-oxide semiconductor (CMOS) and RF integrated circuits and devices. Current interests include techniques to overcome the end of Moore's Law, which includes 2.5D/3D heterogeneous integration and hardware designs for 5G millimeter-wave systems. Tim holds BS/MS electrical engineering degrees from the Massachusetts Institute of Technology and a MS degree in systems architecture and engineering from the University of Southern California.

In the IEEE, Tim has served as the 2015 Microwave Theory and Techniques Society (MTT-S) President, where he led the creation of the MTT-S Special Interest Group on Humanitarian Technology (SIGHT) to promote humanitarian activities, with a focus on India and Mexico. Starting in 2017, as the IEEE SIGHT Chair, he is focused on humanitarian projects in Europe, Africa, and the Middle East. As the 2017 Chair of the IEEE Internet Initiative adhoc committee on internet inclusion, Tim is working to grow a new generation of technical leaders whose vision is a thriving local community enabled by internet technology. Tim believes that the only true way forward is to invest not only in technology infrastructure but to invest in human capital to foster innovation and interactions between communities and technologists.

Deepak Maheshwari

Deepak Maheshwari heads government affairs across India, South Asia, and Southeast Asia for Symantec, the world-leader in cyber security. A public policy and regulatory affairs professional with over two decades of experience, he has a keen interest in the interplay of technological innovation and socio-economic development.

An oft-invited speaker, his articles, interviews, and reviews have been widely published and quoted. He has been closely associated with various industry and professional bodies. He served for two consecutive terms as the elected secretary of ISP Association of India (ISPAI), co-founded the National Internet eXchange of India (NIXI), and helped form the Internet and Mobile Association of India (IAMAI). Currently, he is the Global Vice Chair of the IEEE Internet Initiative and Asia-Pacific Policy Chair of BSA. A graduate in engineering from the Indian Institute of Technology, he is also a law graduate. He has previously worked with Microsoft, MasterCard, Sify and HCL. His Twitter handle is @dmcorpaffair.

Vishal Mathur

Vishal joined the GSMA in May 2012 and has held two senior positions. For over 4 years, he was the head of strategic engagement for Middle East and Africa. Within this role, he was responsible for engaging C-level executives within the region, aligning them on and delivering complex strategic programs on behalf of the mobile industry in that region, often requiring collaboration between competitors and adjacent industries.

Vishal now heads up the Connected Society program within the Mobile for Development suite. Linked to the 17 UN Sustainable Development Goals, the Connected Society program has a vision to digitally connect and drive mobile internet usage for 2.5 billion underserved adults by 2020. Vishal and his team will focus on delivering the insights, seeking innovative approaches, and demonstrating as well as advocating the role and value the mobile industry plays in bridging the global connectivity gap.

Vishal has a MBA from London Business School and over 19 years of consulting and executive engagement experience gained from top-tier consulting houses and telecom brands, including Accenture, A.T. Kearney, Telefonica O2, and Huawei. He is at his best when engaging with C-level executives, developing productive multi stakeholder working environments, whilst working with or managing a team to structure and deliver tangible outcomes.

Karen McCabe

Karen McCabe is a Senior Director of Technology Policy and International Affairs at IEEE, where she leads efforts to build and connect communities working in the technology policy ecosystem and where her focus is on the development and promotion of collaborative strategies that produce impactful outcomes among multi-stakeholders to help advance technology for society and humanity's benefit.

During the last 20 years, Karen has held various leadership and senior management positions in the technology sector, with a specific focus in the global standards and technology development domain that is rooted in openness, transparency, and inclusiveness. After graduating from Kean University with a degree in communications, Karen initiated her career working in the engineering and technology space as a communications professional.

Today, Karen is engaged in efforts in internet governance, ethics, and technology and global standards in trade and policy. She leads IEEE's engagement with the UN and other international bodies, focusing on engaging the

technical community and the intersection of policy and technology in ICTs. Karen is a member of the OECD Internet Technical Advisory Board and the Internet Society. She works with an array of organizations to connect technologists, industry leaders, and policy makers to build partnerships and alliances across stakeholder communities.

Don Means

Don Means is the Founder/Director of the Gigabit Libraries Network (GLN). With over 25 years of experience in ICT, Means initiated the "Fiber to the Library" (FTTL) campaign in 2007 and in 2012 founded GLN, a global collaboration of tech-savvy innovation libraries.

In 2013, Means launched the Libraries WhiteSpace Pilot to advocate for library community leadership in utilizing new long-range license-free spectrum to dramatically expand access to library WiFi® in communities everywhere.

Means is founding chairman of the Schools, Health and Libraries Broadband Coalition. In 1992-93, as a member of the Atrium Group, Means served as an advisor to the Librarian of Congress on digitization strategy. He was appointed to the California IT Commission from 2001-2003.

In 1996, he created the Community TeleStructure Initiative, a national consortium advocating local community responsibility for telecom infrastructure planning. He also co-founded ebook authoring software/service ventures in Japan and China in 1995 that are still operating today.

Diego Molano Vega

Diego Molano Vega is an international consultant on digital transformation of companies and governments. He was the Minister of Information and Communication Technologies (ICT) of Colombia from 2010-2015. He transformed his country with his policy plan "Vive Digital," which aims to reduce poverty and create jobs using technology.

During his tenure, Colombia expanded all the elements of the digital ecosystem, not only infrastructure but also services, applications, and users. Internet coverage extended to low-income homes and rural areas. 4G-LTE, fiber optics, and high-speed networks expanded to all municipalities, even those in the middle of the Amazon jungle. Every rural community with more than 100 inhabitants now has an internet community center. Education, health, banking, and government services were transformed with ICT, increasing their availability, reach, and efficiency.

Mr. Molano has had a long career in the technology industry, including high-level executive positions in multinational companies such as BellSouth (now AT&T) in the US and Telefonica in Spain. He has had responsibilities in more than 20 countries. He has been a board member of international organizations and corporations in the telecommunications, TV, radio, and postal services sectors. He is currently Senior Advisor to the Inter-American Development Bank, Senior Advisor to McKinsey & Co. in Washington D.C., and member of the Advisory Committee of the New Economy to the OECD in Paris.

Mr. Molano is an electronics engineer and economist from the Xavier University in Colombia and holds an MBA from IMD in Switzerland.

Michael Potter

Michael Potter is an entrepreneur, social enterprise advisor and investor, and a documentary filmmaker. He is the founder of the non-profit organization Geeks Without Frontiers. Michael was co-chair of the entrepreneurship faculty of the inaugural class of the Singularity University. Potter is also a Senior Fellow at the International Institute of Space Commerce and a member of the Advisory Board of the Lifeboat Foundation. Formerly Michael was an international telecommunications analyst at the Center for Strategic & International Studies (CSIS) in Washington, D.C. Potter was also founding vice chairman of the founding board of the European Competitive Telecommunications Association (ECTA). His articles on high technology business and policy have been widely published.

Michael received his MS degree from the London School of Economics and his BA from California State University at Sacramento, is an alumni of the Sacramento Semester Program, and earned a certificate in Space Studies from the International Space University.
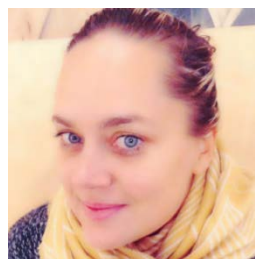

Nilmini Rubin

Nilmini Rubin is the Vice President for International Development at Tetra Tech, where she leads policy and engineering services for infrastructure projects in developing countries.

Previously, Nilmini served as the senior advisor for global economic competitiveness at the US House Foreign Affairs Committee. On behalf of Chairman Royce, Nilmini spearheaded passage of legislation by the US House of Representatives to promote internet access in developing countries. She drove unanimous passage of a law to increase access to electricity in Africa that serves as the framework for the United States' Power Africa initiative.

Earlier, Nilmini advocated on cybersecurity and cloud policy for the Information Technology Industry Council and led international economic, development, and transparency policy at the US Senate Foreign Relations Committee.

As a director at the National Security Council at the White House, Nilmini secured agreements with the G-8 to limit the spread of weapons of mass destruction; to raise billions of dollars for the Global Fund for AIDS/HIV, Tuberculosis, and Malaria; and to increase transparency of international organizations. She previously worked on international economic policy at the US Treasury Department and Federal Reserve Bank of New York.

She is a member of the Council on Foreign Relations, Internet Governance Forum–USA Steering Committee, the World Economic Forum Experts Network and Internet for All Working Group, Young Global Leaders Alumni Steering Committee, Advisory Council of the Millennium Challenge Corporation, and the Academy of the Global Teacher Prize.

Melissa Sassi

As the global Program Manager of Microsoft's Affordable Access Initiatives team, Melissa is responsible for evolving connectivity, agricultural IOT, and micro and off-grid power to rural communities around the world within Microsoft's Tech and Civic Engagement team. Microsoft's strong culture of philanthropy, humanitarian support, and youth skill-building inspired Sassi to create MentorNations' digital literacy, coding, and tech entrepreneurship movement, a nonprofit endeavor that aims to empower underserved communities to transform their lives through technology. As a PhD candidate in international business, Sassi's research focuses on women and girls in Africa and the impact of

digital inclusion and economic empowerment. She holds two master's degrees in supply chain and finance, and completed her undergraduate degree at Missouri State in international business management and Spanish.

Shivananda Salgame

Shivananda Salgame is a social entrepreneur and problem solver with a huge belief in human potential. He has over 20 years of diverse experience in IT, education, and e-governance and has managed multimillion-dollar businesses.

He co-founded the ed-tech startup, Guru-G Learning Labs, in 2013, with a focus towards empowering teachers through technology. Guru-G Learning Labs builds solutions to enable teachers to improve the quality of the teaching-learning process in the classroom and to make classrooms more engaging and enriching.

Guru-G Learning Labs was selected by the Unreasonable Institute in Colorado for a global voyage, Unreasonable at Sea, in 2013 (www.unreasonableatsea.com).

With a passion to bridge the urban-rural divide through technology, Guru-G Learning Labs started building technology solutions that would work in extreme remote locations. It currently works across 7 states in India. Through support from various foundations and Corporations, it is working with over 500 schools in these remote areas since 2014 in multiple Indian languages. (http://www.guru-g.com).

Shivananda Salgame has been associated with several initiatives to improve the quality of education and has been invited as a speaker at several internationally reputed institutes. He regularly conducts workshops for teachers on the role of technology in the classroom, which have been attended by over 5000 pre-service and in-service teachers.

Staci Warden

Staci Warden runs the Center for Financial Markets at the Milken Institute, where she leads initiatives on access to capital and financial markets, among others. Previously, she spent six years with JPMorgan in London, where she ran the public-sector client franchise in Europe and Africa, and before that in New York on sovereign debt-restructuring. Prior to JPM, she ran Nasdaq's two markets for micro-cap companies. She was an economist at the US Treasury, helped start the Center for Global Development, and started her career as a development economist at HIID. She holds advanced degrees from Harvard and Brandeis Universities.

Christopher S. Yoo

Christopher Yoo is the John H. Chestnut Professor of Law, Communication, and Computer & Information Science and the Founding Director of the Center for Technology, Innovation and Competition at the University of Pennsylvania. His research focuses on insights that the principles of network engineering and imperfect competition provide into the regulation of the internet and intellectual property. He is building an innovative integrated interdisciplinary program designed to produce a new generation of professionals with joint degrees in both law and engineering. His major research initiatives include a study of innovative approaches to connecting more of the world's citizens to the internet; an exploration of the legal aspects of providing privacy and security for autonomous vehicles and medical devices; and a comparison of competition law in China, Europe, and the US.

Previously, Professor Yoo clerked for Justice Kennedy of the US Supreme Court and Judge Randolph of the US Court of Appeals for the DC Circuit. He also practiced law with the firm of Hogan & Hartson (now Hogan Lovells)

under the supervision of now-Chief Justice Roberts. He was a professor at Vanderbilt Law School, where he led the technology and entertainment law program. He is a graduate of Harvard College, the Anderson School at UCLA, and the Northwestern University School of Law. The author of four books and more than 70 articles and book chapters, he testifies frequently before the US Congress, the US Federal Communications Commission, the US Federal Trade Commission, and foreign regulatory authorities.

Guy Zibi

Guy Zibi is Founder and Managing Director with Xalam Digital Analytics, a boutique research and data analytics firm focused on digital infrastructure and services markets in Africa and the Middle East (AME). Xalam leverages the latest data analytics tools to help investors identify digital economy and transformation opportunities in AME.

Guy has more than a decade of experience in researching and analyzing the business of technology around the world, and he is recognized as a foremost expert in the economics of technology in African and MENA markets. He was previously co-founder of AfricaNext Investment Research, an Africa-focused telecom equity research firm; an Africa analyst with the Economist Intelligence Unit/Pyramid; and a new technologies, innovation and consulting director with Pyramid Research.