

Supply Chain Operations, Strategy, and Infrastructure Development in a Global Economy

May 18-19, 2015

SPEAKER BIOS

Vikrum Aiyer is the Senior Policy Advisor in the White House National Economic Council. Previously, Aiyer was Deputy Chief of Staff of the U.S. Patent and Trademark Office in the President's Commerce Department, where he advised the Secretary & Under Secretary of Commerce for Intellectual Property on the policies, budget priorities, and communications of the nation's IP agenda. Aiyer also coordinated public-private partnership strategies aimed at expanding the national footprint of the patent & trademark office; boosting exports for small businesses; spurring advanced manufacturing opportunities in America; and ripening the business climate for start-up growth.

As a former communications advisor to Senator Ed Markey (D-MA) and DC Mayor Adrian Fenty (D) he has worked on communications campaigns for Congress, federal agencies, and trade associations, including the State Department, the White House Initiative on Asian Americans & Pacific Islanders and the National Education Association.

He attended the University of California, Berkeley and did graduate work at the George Washington University's School of Political Management. He lives in Washington, DC, where he serves on the steering committees for Refugees International, Big Brothers Big Sisters, and the Susan G. Komen Foundation.

Evan Barba, Assistant Professor in the Communication, Culture, and Technology Program, Georgetown University. His interest is in the connection between technology and human thinking in all its various forms. This includes a full spectrum of domains from design, creativity, learning and education, to spatial reasoning and artificial intelligence. Although he focuses on Information and Communications Technologies (ICTs) and interfaces, his work is about bridging the gap between the physical and virtual worlds and often extends into material technologies and practices as well.

Sandor Boyson, Director, Supply Chain Management Center; and Research Professor at the Robert H. Smith School of Business at University of Maryland, College Park; and holds an Affiliate Faculty Appointment at the Institute of Systems Research, Clark School of Engineering, College Park. Over the past four years, he has been engaged in sponsored research as principal investigator/advisor in IT Supply Chain Risk Management for the National Institute of Standards and Technology (NIST); and he is the author of three reports on the subject released through NIST in 2010, 2011 and 2012. In 2012, he was appointed by the U.S. Secretary of Commerce as a member of the Advisory Committee on Supply Chain Competitiveness; and currently serves as the Chair of the IT/Data Sub-Committee. He has thirty years of experience as a senior supply chain and IT consultant to public organizations as varied as the World Bank, the Governments of Thailand, Indonesia, Panama and Puerto Rico and the U.S. Department of

Defense; and to private sector organizations such as IBM/Sterling Commerce, Avaya, SAIC and Oracle/Sun Microsystems.

In addition to his supply chain research and consulting, Dr. Boyson has been teaching graduate courses in Technology Management, Supply Chain Management and Risk Management at the University of Maryland/ R.H. Smith Business School for 25 years. In 2015, he was named Educator of the Year by the Global Supply Chain Resiliency Council.

Carl Cargill, Standards Principal, Adobe Systems, Advanced Technology Labs, where he works on structuring Adobe's standardization activities for the next decade, as well as attempting to provide standardization theory that applies in the "massively connected world." Prior to joining Adobe, Cargill was director of corporate standards at Sun Microsystems, where he managed Sun's standardization strategies, activities, and portfolios. He has been a leader in standardization—both in practice and in theory—for nearly 30 years. His writings include two books on the subject, and scores of articles. He has served on the boards of W3C, Object Management Group, Open Mobile Alliance, The Open GIS Consortium, The Open Group, Enterprise Grid Alliance, ECMA, and OSGi. He has also been a product strategist, marketing manager, pricing manager and program manager.

Dieter Ernst, Senior Fellow, East-West Center, is an authority on global production networks and the internationalization of research and development in high-tech industries, with a focus on standards and patents. His research examines corporate innovation strategies and innovation policies in the United States and in China, India, Taiwan, Korea, and other emerging economies. Ernst has served as a member of the United States National Academies "Committee on Global Approaches to Advanced Computing"; senior advisor to the Organisation for Economic Co-operation and Development (OECD), Paris; research director of the Berkeley Roundtable on the International Economy (BRIE) at the University of California at Berkeley; professor of international business at the Copenhagen Business School; and scientific advisor to governments, private companies, and international institutions.

Publications include *Global Strategic Patenting and Innovation – Policy and Research Implications*, 2015; *Standards, innovation, and latecomer economic development: Conceptual issues and policy challenges*, 2014; *The Information Technology Agreement, Industrial Development and Innovation - India's and China's Diverse Experiences*.

Gordon Gillerman is Acting Director, Standards Coordination Office and the Chief of Standards Services at the National Institute of Standards and Technology (NIST). Gordon has extensive experience in coordinating standards policy and development across a wide range of sectors critical to the U.S. including homeland security, safety, health and protection of the environment. Previously he led government affairs for Underwriters Laboratories (UL) in Washington, DC, and was Staff Engineer for the medical device and information technology sectors at UL's Northbrook, IL headquarters.

Chaodong Han, Assistant Professor and Director of Graduate Programs in Supply Chain Management, Towson University. His teaching and research covers data and decision analysis, logistics and distribution, project management and international supply chain management. He received the College of Business and Economics' Outstanding Teaching Award (2011-2012). Dr. Han's research has been

published in a number of academic journals, including *Production and Operations Management Journal*, *International Journal of Production Economics*, *Journal of Computer Information Systems*, *The International Journal of Physical Distribution and Logistics Management*, *Journal of Manufacturing Technology Management*, *Journal of Internet Banking and Commerce*, and *Transportation Journal*.

James Haddow, Director of the Center for Excellence in Supply Chain Management (CESCM) and Executive Instructor in the Information Systems & Supply Chain Management Department in the School of Business at Howard University in Washington DC. In addition to teaching a range of supply chain management courses to both undergraduate and graduate students, he also supports student teams in supply chain case competitions, industry consulting projects and attendance at SCM industry conferences. Professor Haddow has 30 years of consulting and industry experience encompassing global procurement, supply chain management, business planning and commercial business development and recently retired as Director of Global Procurement (CPO) and Supply Chain consultant for a global consulting firm.

Stephen K. Kwan, Lucas Professor of Service Science and Associate Dean of Graduate Programs, Lucas College and Graduate School of Business, San José State University. His current research interests include Global Trade in Services, Service Systems & Service Value Networks and Design Thinking for Service System Innovation. He works on the Service Science, Management, Engineering, and Design (SSMED) research and academic program at SJSU. He works closely with IBM on SSMED and is a recipient of multiple IBM Faculty Awards but has also worked on projects with Sun Microsystems, Cisco, Microsoft, HP, the State of California, and the US Army. He has also received and managed NIST and NSF grants. Kwan is a member of the American National Standards Institute (ANSI) Committee on Education and was the secretariat of The International Cooperation for Education about Standardization (ICES). He was credentialed as an industry expert in the US Delegation to the APEC 2011 meeting in the U.S. Kwan has made many presentations to the standards education community advocating the use of contextual “stealthy introduction” of standards issues into class materials.

David Lightfoot is the Director of the Communication, Culture & Technology Program and Professor of Linguistics. He received his Ph.D. from the University of Michigan in 1971 and has held regular professorial appointments at McGill University, the University of Utrecht in the Netherlands, and the University of Maryland. He was also Associate Director of the Neuroscience and Cognitive Sciences program there. In 2001, he moved to Georgetown University as dean of the graduate school. From 2005 to 2009 he served as Assistant Director of the National Science Foundation, heading the Directorate for Social, Behavioral, and Economic Sciences. In 2009 he returned to Georgetown, where he is directing the undergraduate interdisciplinary program in Cognitive Science and the graduate program in Communication, Culture & Technology. In addition, he has held short-term appointments at universities in Austria, Brazil, Canada, the Netherlands, Germany, Hungary, Switzerland and the United Kingdom. His honors include a Fulbright Scholarship, a Ford Foundation Fellowship, an American Council of Learned Societies Fellowship, various research grants including four from the National Science Foundation, a Fulbright Distinguished Chair at the University of Trieste (2010), and the Linguistic Service Award from the Linguistic Society of America for transitioning the LSA into new digital scholarly publications.

Bruce Mahone, Director of Washington Operations, Aerospace SAE International. Mr. Mahone has been a leader in aerospace policy and technical issues in Washington, DC since 1988. He has been involved in the development and publication of over 10,000 aerospace standards during that time. He oversees SAE's aerospace-related interaction with the U.S. government and the many standards, educational, and research organizations in the Washington area that affect the global aerospace sector. In previous positions he has coordinated technical activities at the Aerospace Industries Association and the American Gear Manufacturers Association. He has also served as Chair and Secretary of ISO Technical Committee 20, Aircraft and Space Vehicles. Mahone has had extensive interaction on aerospace issues with the U.S. Congress, numerous government agencies, and the United Nations Office of Outer Space Affairs. Prior to moving to Washington, he held various engineering and lecturing positions throughout the U.S.

Alec McMillan, Director, Global Standards and Trade, Rockwell Automation (just retired). He has spent 40 years working in Industrial Automation in multiple Geographies and roles. He is currently the USNC VP technical representing US on IEC Standards Management Board and member of ANSI board. He has worked in R&D, applications, systems integration, sales and corporate business development. He also held corporate responsibility for International standards development and regulatory and standards compliance globally. McMillan joined Allen-Bradley (Rockwell) as European System Marketing Manager in 1985, based in the UK, and transferred to the United States in 1989. Since that time he has held positions of increasing responsibility in the development of Advanced Architecture and Technology. He worked in Europe from 1968-1985 in a range of engineering and management positions. He has been very active including chair positions on numerous domestic and international standard development committees, and advisory boards in advanced process and intelligent manufacturing systems.

Joseph Mohorovic has been the Commissioner of the U.S. Consumer Product Safety Commissions since July 2014. The U.S. Consumer Product Safety Commission is charged with protecting the public from unreasonable risks of injury or death associated with the use of thousands of types of consumer products under the agency's jurisdiction.

Prior to joining the Commission, Mr. Mohorovic was Senior Vice President of Intertek, a global leader in product testing, where he was responsible for all aspects of performance, growth and strategic management in the North American region. Before joining Intertek, Mohorovic's public service included two terms as State Representative for New Mexico's 28th District before resigning elected office to serve in the CPSC administration of former Chairman Hal Stratton from 2002 through 2007. Mr. Mohorovic graduated from the University of Texas at Austin and he holds an M.B.A from the University of New Mexico.

Tobin Porterfield, Associate Professor, Department of eBusiness and Technology Management, Towson University; and Roundtable Education Chair, Academic Strategies Committee Member, Council of Supply Chain Management Professionals. His teaching interests include supply chain management, project management and procurement strategy. His primary research interests include supply chain integration, lean and agile supply chain strategies and the use of information technology in industrial supply chain relationships. He received the College of Business and Economics Award for Outstanding Teaching in

2009-2010. He also has seventeen years of industry supply chain experience related to IT, inventory management, and procurement. Porterfield's research has been published in a number of academic journals including the *International Journal of Production Economics*, the *International Journal of Physical Distribution and Logistics Management*, *Transportation Journal* and the *Baltimore Business Review*.

Erik Puskar is the Manager for Global Standards and Information, Standards Services, within the Standards Coordination Office at NIST. He oversees the U.S. WTO TBT Inquiry Point and Standards Information Center and leads the Office's impact analysis efforts as well as NIST's efforts on standards education. Puskar is vice-chair of the American National Standards Institute (ANSI) Committee on Education and serves on the International Policy Committee. He was chair of the International Committee for Education about Standardization (ICES). In addition to standards, through his current position and previous work with the Advanced Technology Program of NIST, other positions with the U.S. Government, and international development organizations such as the IMF, he has experience in funding innovative high-risk technology, fiscal affairs/taxation, and information technology.

Robert Ryan leads the IBM Global Business Services U.S. Federal Logistics Delivery Practice. A senior consultant in the IBM Defense and Intelligence Logistics consulting practice, he has spent 29 years consulting in support of change initiatives of all sizes and types. He has consulted widely with the U.S. military, federal and state civilian agencies, and the energy and financial industries on strategic planning, culture transformation, balanced scorecard development and implementation, program/project management, process reengineering and process improvement, performance management communications/outreach, and facilitation. He is the co-author of "The Business of IT: How to Improve Service and Lower Costs," which focuses on implementing service management.

Jeffrey Strauss, Acting Director, Center for Technology and Innovation Management (CTIM, an integral part of the Buffett Institute for Global Studies), Northwestern University. At Northwestern for 31 years, he has responsibility for programs to raise attention in managers, faculty and students in widely diverse disciplines to issues not yet fully on their view screens – but which should be, including standards. He teaches undergraduate and graduate courses and executive education programs on related subjects. Strauss is a member of the American National Standards Institute (ANSI) ISO Council and Committee on Education, and the International Federation of Standards users (IFAN) standardization promotion and awareness working group. He has published in ASTM Standardization News, presented on standards issues in multiple conferences and workshops, conducted an SES webinar and he spearheads NIST sponsored industry-academic workshops and teaching materials development including standards negotiation exercises and a teaching support website. He was also recently elected Vice-Chair for the Americas for the International Cooperation for Education and Standardization (ICES.) He will be lead instructor on a MOOC related to standard setting for IEEE next spring. He has broad consulting experience in strategic planning, marketing in the US and a wide range of other countries.