Dr. Steve Chan, IARIA Fellow

Dr. Chan is an International Academy, Research and Industry Association (IARIA) Fellow. He served as an invited Panelist and Presenter at the Fourth International Conference on Data Analytics from 19-24 July 2015 in Nice, France. He then served as an invited Keynote Speaker and Panelist at the Sixth International Conference on Data Analytics as well as the Second International Conference on Cyber-Technologies and Cyber-Systems from 12-16 November 2018 in Barcelona, Spain. He is co-author of 8 IARIA papers (6 prior and 2 upcoming). He serves on the Advisory/Steering Committee for the IARIA Cyber-Technologies and Cyber-Systems venue. He has also served on the Program Committee for other cyber venues, such as the Naval Postgraduate School's Cyber Endeavour.

Dr. Chan serves as a thought leader for IARIA and is privileged and honored to assist in pioneering advances at the nexus of Data Analytics and Cyber Systems in support of IARIA scientific events. These foundational elements include, among others, the work products generated for prior IARIA venues: "The Value of Data Analytics for Resiliency and Sustainability Efforts" (2015 Panel), "Cyber-Centered Major Challenges: Monitoring and Evaluating the Cyber-health of Industrial Systems" (2018 Panel), "Enhancing Cyber Infrastructural Resilience for Cyber Cities" (prepared for the 2017 keynote in Venice, Italy), and "Energy/Cyber Security Assessment: Data Analytics for Cyber Resilience of Strategic / Critical Electrical Grid Infrastructure" (2018 keynote). He is active with other IARIA members with research projects in his field and adjacent disciplines.

Dr. Chan is an Institute of Electrical and Electronics Engineers (IEEE) Member and serves on the Program Committee for IEEE peer-reviewed venues, such as the IEEE-North Atlantic Treaty Organization (NATO) Cooperative Cyber Defense Centre of Excellence's Cyber Conflict Conference (CYCON). He is active with Power & Energy and Power Electronics Societies of his IEEE chapter; most recently, he was a speaker at the IEEE Smart Grid Utility Cybersecurity Workshop in Atlanta, Georgia. He recently authored a paper that will be presented at the upcoming IEEE Technically Sponsored Future of Information and Communication (FICC) Conference. Prior to that, he authored/co-authored papers that were presented at the IEEE Future Technologies Conference (FTC), IEEE International Conference on Digital Ecosystems and Technologies (DEST) - Smart Planet and Cyber Physical Systems as Embodiment of Digital Ecosystems, and the IEEE International Conference on Collaborative Computing: Networking, Applications, and Worksharing (CollaborateCom). Dr. Chan also serves as a reviewer and presenter for Taylor & Francis' Journal of Information Technology for Development and IEEE Access in the area of cyber security for real-time control and monitoring for smart grids.

Dr. Chan has held academic appointments as a Senior Fellow at the Harvard Kennedy School, a Fellow/Chief Technology Officer for the MIT Laboratory for the Public Engagement with Science (E-Lab), an advisor to the MIT Advanced Computational Modeling and Simulation Program as well as the MIT Computational Modeling Collaboration, a Research Fellow/Chief Software Architect with the MIT Engineering Systems Division (ESD), a Technology Dissemination Fellow with the MIT International Development Initiative (IDI), a National Preparedness Fellow at the MIT School of Engineering, and a Fellow at Harvard University's Center for Geographic Analysis. He has served as a co-instructor for a MIT System Design and Management (SDM) Course on Architecting and Engineering Software Systems and as lead instructor for MIT ESD Courses on Cyber Leadership and Geospatial Leadership (with co-instructors from the Harvard Kennedy School). He is an alumnus of both MIT and Harvard.

His presentations and lectures have been featured at the White House, National Research Council of the National Academies, World Economic Forum, Aspen Security Forum, Todd Lecture Series, and a number of United Nations venues with regards to the Industrial Internet.