

Dr. Steve Chan, IARIA Fellow

Dr. Steve Chan is an International Academy, Research and Industry Association (IARIA) Fellow. He is an inventor with both international and U.S. patents and serves as a reviewer for various peer-reviewed journals/conference proceedings. He serves on the Advisory/Steering Committee for the IARIA Cyber-Technologies and Cyber-Systems venue and has been active in the Cyber, Artificial Intelligence, Machine Learning, and Digital arenas.



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 various IARIA venues, such as: “The Value of Data Analytics for Resiliency and Sustainability Efforts,” “Cyber-Centered Major Challenges: Monitoring and Evaluating the Cyber-health of Industrial Systems,” and “Advanced Approaches to Enhance Cyber Application.” He is active with other IARIA members with research projects in his field and adjacent disciplines. He is the author/co-author of 22 IARIA papers.

He served as an invited Keynote Speaker for the 2022 IARIA Annual Congress on Frontiers in Science, Technology, Services, and Applications (IARIA Congress 2022) from 24-28 July 2022 in Nice, France, and his talk was on “Hybridized Machine Learning Implementation for a Complex Network Cyber-Physical Supply Chain Analysis.” His keynote for the Advances on Societal Digital Transformation (DIGITAL 2021) from 14-18 November 2021 in Athens, Greece was “AI-Centric Cyber Laboratory Services: Operationalizing White Box Architectures.” His keynote for the Fifth International Conference on Cyber-Technologies and Cyber-Systems (CYBER 2020) from 25-29 October 2020 in Nice, France was “Leveraging Sidecars for a More Probabilistic Cyber Convergence.” His keynote for the Fourth International Conference on Cyber-Technologies and Cyber-Systems (CYBER 2019) from 22-26 September 2019 in Porto, Portugal was “A Cyber Key to Log Analysis.” His keynote for the Third International Conference on Cyber-Technologies and Cyber-Systems (CYBER 2018) from 18-22 November 2018 in Athens, Greece was “Leveraging Artificial Intelligence/Cognitive Computing to Meet the Increasing Cycles of Adaptation within the Cyber Domain.” His keynote for the Second International Conference on Cyber-Technologies and Cyber-Systems (CYBER 2017) from 12-16 November 2017 in Barcelona, Spain was “Energy/Cyber Security Assessment: Data Analytics for Cyber Resilience of Strategic / Critical Electrical Grid Infrastructure.” His prepared keynote for the First International Conference on Cyber-Technologies and Cyber-Systems (CYBER 2016) from 9-13 October 2016 in Venice, Italy was “Enhancing Cyber Infrastructural Resilience for Cyber Cities.” He has also served as an invited Panelist and Presenter at other IARIA venues, such as the Fourth International Conference on Data Analytics from 19-24 July 2015 in Nice, France.

Dr. Chan is an Institute of Electrical and Electronics Engineers (IEEE) Member and has previously participated in the Power & Energy and Power Electronics Societies of his IEEE chapter and has been an invited speaker, such as at the IEEE Smart Grid Utility Cybersecurity Workshop in Atlanta, Georgia. He has authored/co-authored papers that were presented at the IEEE International Conference on Distributed Computing Systems Workshops (ICDCSW), IEEE International Conference on Condition Monitoring and Diagnosis (CMD), IEEE Sensors Applications Symposium (SAS), IEEE Computing and Communication Workshop and Conference (CCWC), IEEE Information Technology, Electronics & Mobile Communication Conference (IEMCON), IEEE International Conference on Information & Communications Technology (ICOIACT), IEEE Future of Information and Communication Conference (FICC), IEEE Future Technologies Conference (FTC), IEEE International Conference on Digital Ecosystems and Technologies (DEST), IEEE International Conference on Collaborative Computing: Networking, Applications, and Worksharing (CollaborateCom), and IEEE Symposium on Computational Intelligence in Cyber Security (CICS). Dr. Chan has also served as a reviewer for IEEE Access and presenter in the area of cyber security for real-time control and monitoring for smart grids.

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.