



Brief BIO of Gee-Kung Chang

Prof. Gee-Kung Chang is the Georgia Research Alliance and Byers Eminent Scholar Chair Professor in Optical Networking of Georgia Institute of Technology. He is currently the Director of the NSF Industry/University Cooperative Research Center for Fiber-Wireless Integration and Networking (FiWIN) for Heterogeneous Mobile Data Communications. He served as the Site Director of NSF Center for Optical Wireless Applications, and Co-Director of Georgia Tech Terabit Optical Networking Research Center. He received his BS degree in Physics from the National Tsing Hua University in Taiwan and his PhD degree from University of California, Riverside. Before joining Georgia Tech, Dr. Chang devoted 23 years of services in R&D at the Bell Labs, Bellcore, and Telcordia Technologies, where he served in various research and management positions including Director and Chief Scientist of Optical Internet Research. Prior to joining Georgia Tech he served as the Vice President and Chief Technology Strategist of OpNext, a spin-out of Hitachi Telecom, where he was responsible for developing high speed integrated photonics devices and optical networking systems. Prof. Chang has been focusing on research in Fiber-Wireless Integration and Networking for 5G wireless networks sponsored by NSF and industry members. The FiWIN is recognized globally as a world-renowned research center generating leading-edge results in integrated fiber-wireless access technologies and FiWIN is strategically positioned to explore converged optical and wireless access network architectures, functional designs of network elements, and optimizing system function and interfaces for mobile data communications.

Prof. Chang's has published a book titled, "Fiber Wireless Convergence for Next Generation Communication Networks," to champion his vision of fiber-wireless integrated network for 5G wireless communications. He has been granted 55 patents by the U.S. and International Patent Offices. He published a total of 600 technical papers including 390 international conference papers within which 12 keynote and 50 invited papers. He published 210 peer-reviewed journal papers in reputable journals such as OSA Optics Express, Optics Letters, IEEE Transaction on Advanced Packaging, IEEE Photonics Technology Letters, IEEE Journal of Optical Communication and Networking, and IEEE/OSA Journal of Lightwave Technology. He is a fellow of IEEE, a Fellow of OSA, a Fellow of Telcordia Technologies, and a Fellow of Photonics Society of Chinese-American. He received many awards including Bellcore President's Award, R&D 100 Award, SAIC Best Scientific Paper Award, DARPA Best Research Outcome Award, Georgia Research Alliance Eminent Scholar, IBM Research Grant Fellow Award, Georgia Tech Outstanding Teaching Award, Distinguished Research Achievement Award by Wen-Yuan Pan Foundation, Distinguished Alumni of College of Science, Tsing Hua University, Distinguished Faculty Achievement Award by School of Electrical and Computer Engineering, Georgia Tech. He has served five times as the lead guest editor for special issues of the *Journal of Optical Communications and Networking* and *Journal of Lightwave Technology*. He organized Network Vision 2020 for 5G and Optical Networking panel in OFC 2018 and was the leader to orchestrate the first two 5G Symposia and first Panel in OFC 2017 and OFC 2018. He currently as a Co-Chair of 2019 IMC-5G and 2020 MWP conferences as well as the Chair of Radio over Fiber and Free Space Optics subcommittee of OFC 2020.