

Prof. You-Chia Chang (張祐嘉) is currently an associate professor in the Department of Photonics at National Yang Ming Chiao Tung University and a Yushan Young Scholar (玉山青年學者) of the Ministry of Education. He earned his Ph.D. in Applied Physics from the University of Michigan in 2016. Prior to that, he received an M.S. degree in Applied Mechanics in 2004 and a B.S. degree in Mechanical Engineering in 2002, both from National Taiwan University. From 2005 to 2009, he worked as an associate researcher at the Industrial Technology Research Institute. From 2016 to 2018, he served as a postdoctoral research scientist in the Department of Electrical Engineering at Columbia University.



Prof. Chang's main research interests include silicon photonics, metamaterials/metasurfaces, and two-dimensional materials. His work has been cited over 3,000 times on Google Scholar, with an H-index of 22. He has published in high-impact journals such as Nature Nanotechnology, Nature Photonics, Nature Communications, ACS Nano, Optica, and Nano Letters. Professor Chang also holds 12 patents both domestically and internationally.

Prof. Chang has received numerous awards and honors, including 2023 NSTC Future Tech Award (2023 國科會未來科技獎), 2022 NYCU Excellent Teaching Award, 2021 NSTC Future Tech Award (2021 國科會未來科技獎), 2021 NYCU Distinguished Mentor Award, Jade Mountain (Yushan) Young Fellow, and junior Chair Professor Hwa-Tse Roger Liang Award at NYCU. Prof. Chang has delivered invited talks in OECC 2021 and ISOM 2021. He served on the technical committee in OECC 2021 and WOCC 2024. He was on the local organization committee of EACN 2023. He served as the guest editor of IEEE Journal of Selected Areas in Sensors.