

**Title:**

Controlling the Nonlinear Dynamics of Optically Injected Semiconductor Lasers for Stable Photonic Microwave Generation

Prof. Jia-Ming Liu**UCLA Electrical Engineering****2015/05/05 (Tue.) AM 10:00-12:00**

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綜合大樓 48418 室 (4F)

About the speaker:**Biography:**

Jia-Ming Liu received the B.S. in Electrophysics from National Chiao Tung University in 1975 and became a Licensed Professional Electrical Engineer in 1977. He earned his M.S. and Ph.D. in Applied Physics from Harvard University, in 1979 and 1982, respectively. He was an Assistant Professor with the Department of Electrical and Computer Engineering, State University of New York at Buffalo from 1982 to 1983 and was a senior member of the technical staff with GTE Laboratories from 1983 to 1986. He joined the faculty of the UCLA Electrical Engineering Department in 1986.

Professor Liu has over 200 scientific papers, 14 book chapters, 10 U.S. patents, and two books. He has delivered more than 150 conference presentations and technical seminars, including 70 invited talks. He is a fellow of the Optical Society of America, the American Physical Society, the IEEE, and the Guggenheim foundation.

Research Interests:

Professor Liu's research interests are in nonlinear optics, ultrafast optics, semiconductor lasers, photonic devices, optical wave propagation, nonlinear laser dynamics, chaotic communications, chaotic radar, nanophotonic imaging, and biophotonics.

Sponsored by:**Department of Photonics, NCKU**