

Wai-Min Liu

- Professor of Physics, Optical Engineering/SR Scientist, Optical Engineer Summary of Achievements
- 10 years Professor of Physics at PCC
- 20 years Program Director/Professor of Laser E-Tech at PCC
- 10 years chairman/Professor of Optical Engineering at University of La Verne
- 25 years SR Scientist/SR Engineer in Optical Designs / Advanced Research & Developments
- 25 years adjunct/visiting professor and consultant in various overseas University/College and technical institutes.

Working Experience

- Sept. 1996 - Present: Professor of Physics at Pasadena City College instructors in various different Physics and Math courses: Physics 113, Physics 10, Physics IOL, Physics 2A, 2B, Physics 31 A, 3 113, Math 131, and Math 3
- Sept. 1976 - Sept. 1996: Professor / Program director of Laser E-O Tech at PCC cofounded with Vernon Spaulding the PCC laser E-O Tech with support from the President of PCC. Developed and taught each of 20 Laser E-O Technology courses, more than 300 certified LEOT graduates, supervising between 10 to 15 part time adjunct Prof
- Sept. 1984 - Sept. 1994: Chairman/Professor of Optical Engineering at ULV cofounded the ULV optical engineering program with the support from the president of ULV. Developed and taught each of 20 optical engineering courses. More than 125 graduates with Bachelor of Science degrees in O.E.. A lot of these graduates hold top management positions in some corporations.
- Jan. 1983 - Sept. 1988: Senior Scientist at TRW research and design laser optical systems in high power energy laser systems and laser communication system.
- Mar 1969 - Jan. 1983: System Engineer and Sr. Engineer at Xerox research and design modern and zoom optical system for copiers, fax, laser scanning system, IR optical systems for military.
- Jun 1972 - Sept. 1997: Adjunct Professor, Visiting Professor and Consultants at various University/College and Technical Institutions such as UCLA, CSULA, Citrus College, National Central University (Taiwan), Lien-Ho Jr College (Taiwan), Naikai University (China), and AILUN (Italy).
- Jan 1986 - Present: President of Control Optics Corp.
- Research/development of Optics Lab. Manual & equipments for various University/Institute Labs. Ailun(Italy) Laser/Optics \$600,000.00 Lab equipments supplied. Lien-Ho Jr. College of Taiwan 2-Year Laser E-O Tech program courses & curriculum developed. More than one million dollars equipment & lab set-up were designed. Such works were supported by the government.

Patents

- Zoom Lens Assembly, Patent # 3,880,498, W Liu & R. Donnel
- Zoom Lens Assembly, Patent # 3,901,585, Harold Bennett and W. Liu
- High Performance Optical Objective, Patent # 3,907,401, W. Liu
- Six Component Zoom Lens Patent # 3,912, 374, W. Liu
- Zoom Lens Assembly Patent # 4,076,388, Harold Bennett and Wai-Min Liu
- Cata Dioptric Objective, Patent # 4,128,305, Wai-Min Liu
- Reflective Flat Field Optical Systems, Xerox Disclosure Journal (Oct. 1979), David Grafton, Wai-Min Liu, H.D. Wolpert
- More patents info. upon requests

Publications

- Introduction to Laser Electro-Optics Technology, W.Liu (editor) (1988). (Chinese text book published in Taiwan)
- Prospects of Using Germanium - Dioxide - Base Glass for Optics, Optical Engineering, Aug. 1993. Alfred Margaryan, Wai-Min Liu
- Wavelength Weighting in MTF Calculation by Wai-Min Liu and George McCrobie presented at the Fall '1973 conference of the optical society of America
- More publications titles upon requests

Education

- PhD in Optical Engineering, Naikai University, Tianjin, China (1996)
- MS in Physics (under Bella Langyle), California State University, Northridge (1968)
- BS in Physics, California State University, Northridge (1966)
- Lower physics Division study at National Taiwan University (1960-1962)