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Lecturer

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EDUCATION

Ph.D. Electrical and Computer Engineering, Major Electro-Optics, University of Dayton, Dayton, Ohio, U.S.A. 2006.

Thesis: Optical Correlation Using Isotropic and Anisotropic Self-Diffraction in Photorefractive material.

Advisor: Dr. Partha. P. Banerjee

M.S. Physics, Major Optics, University of Alabama in Huntsville, Huntsville, Alabama, U.S.A. 2000.

Thesis: Coherent and Incoherent Self Imaging Using Photorefractive Barium Titanate Crystal.

Advisor: Dr. Partha. P. Banerjee

B.S. Physics, Minor Mathematics, Ramkhamhaeng University, Bangkok, Thailand. 1993

EXPERIENCE

03/06-present and 04/96-05/97

Lecturer, Applied Physics Department, King Mongkut's Institute of Technology Ladkrabang, Bangkok, Thailand.

Research areas: Semiconductor Lasers, Nonlinear optics, Photonic Crystals, Optical Communication, Computational Electromagnetics, Optical tweezers Terahertz optics, Digital Holography

Teaching areas: Fundamental Physics, Fundamental Physics Laboratory in Thai and English, Intermediate Physics Laboratory, Physical and Quantum Electronics, Lasers Physics, Physical Optics, Computational Fluid Dynamics, Polarized Light.

04/08-07/08

Visiting Scholar, Center for Biophotonics and Laser Science, Physics Department, School of Physical Sciences, University of Queensland, Brisbane, Qld 4072 Australia.

Investigate an optical tweezers system for measurement some parameters transfer between the laser and the particle in liquids.

Building a cheap optical tweezers system for using in undergraduate laboratory