

CITY UNIVERSITY OF HONG KONG
Department of Electronic Engineering
and
IEEE LEOS (Hong Kong Chapter)

Presents a Joint Seminar on
THz Science and Technology: an Overview

by

Prof. Ci-Ling Pan

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Date : 29 April 2008, Tuesday

Time : 3:30 - 4:30 pm

Venue : G6302, 6/F, Green Zone, Academic
Building, City University of Hong Kong

Abstract

In the past decade, sub-millimeter wave or terahertz (THz) technology has undergone remarkable growth with intense interests for their applications in basic studies of physics and chemistry, imaging, ranging and bio-medical applications. I will give an overview of THz science and technology, cover topics such as generation, detection, modulation/switching, waveguiding of THz waves and photonic elements with liquid crystal and photonic crystal-enabled functionalites. Selected applications of THz technology in non-contact diagnostics of semiconductors, biomedical imaging and wireless communication will be illustrated.

Biography

Ci-Ling Pan was a graduate of Tunghai University (B.S., 1971) and Colorado State University (CSU), Ft. Collins, Colorado, USA (M.S., 1975 and Ph.D., 1979). All of his degrees are in Physics. Since 1987, he has been a full Professor at the Institute of Electro-Optical Engineering (IEO) of NCTU, served as its director from 1992 to 1995 and Chair of the Department of Photonics (2004-2006). Prof. Pan was the 2003 Communication and Photonics Chair Professor of the Far Eastern Y. Z. Hsu Science & Technology Memorial Foundation and currently holds a concurrent appointment as a University Chair Professor of NCTU. He was also a Guest Professor at Osaka University, Osaka, Japan in spring, 2004. His research interests are lasers and their applications in broadband optical communication, precision metrology, ultrafast and THz Photonics. Prof. Pan is a member of the Phi Tau Phi Honor Society (1991), a Fellow of the Photonic Society of Chinese Americans (1998), the Optical Society of America (2004), Society of Photographic and Instrumentation Engineers (2004), and the Physical Society of Republic of China (2005). He was also the recipient of numerous awards in Taiwan, such as the National Science Council (NSC) Outstanding Research Award and the Academic Award of the Ministry of Education,

~~~~~ All are welcome ~~~~~