



MTT/ED/PHOTONICS CHAPTER
Sponsoring Technical Talk

ADVANCES IN THZ TECHNOLOGY AND ITS APPLICATIONS

Presented By

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March 11, 2010 from 11:30AM – 1PM

Gibbs Hall, Ft. Monmouth, NJ

(Near the intersection of Tinton Ave. and Hope Road)

<http://www.monmouth.army.mil/C4ISR/services/gibbshall.shtml>

Cost \$6 for members, \$9 for non-members (buffet lunch included)

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ABSTRACT - THz technology is widely considered as a key technology for the 21st century. Application areas in medicine, security, communication, and defense suggest large markets for technical breakthroughs. However, THz component design remains very challenging and so far a large scale THz business could not take-off. We review advances in the THz field and show some applications.

BIO - Lothar Moeller received the Dipl. Phys. degree in Physics from RWTH Aachen, Germany in 1992 and a PhD Electrical Engineering from ETH Zurich, Switzerland in 1996. He joined Bell Labs, Alcatel-Lucent, Holmdel, in 1998.

While at Bell Labs he was involved in the development of novel modulation and equalization techniques for 10, 40, 160, and 640 Gb/s optical fiber transmission systems. Currently, his research for Alcatel-Lucent, focuses on THz communication systems with ultra-high capacity and THz imagers for security applications.

Questions?

Can be directed to NJ Coast MTT/ED/Photonics Chapter officers: Jeffrey H. Sinsky, Chair, sinsky@ieee.org; Shawn Casey, duck@ieee.org; Chongjin Xie, Vice Chair Chongjin@alcatel-lucent.com; **OR** the speaker Dr. Moller Imoeller@alcatel-lucent.com