

RESEARCH CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY, THE UNIVERSITY OF TOKYO

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SEMINAR ANNOUNCEMENT

Dr. Drew Maywar

Lead Scientist, Laboratory for Laser Energetics The University of Rochester New York, USA

"HIGHLY NONLINEAR SEMICONDUCTOR PHOTONIC MATERIALS"

DATE: Monday, April 17, 2006 TIME: 4:00 pm-5:00 pm PLACE: Seminar Room 307 3rd Floor, RCAST Building 3

Abstract

This seminar will address the realization of research collaboration in the field of Highly Nonlinear Semiconductor Photonic Materials, as well as the application of such materials to optical bistable devices.

BIOGRAPHY

Drew Maywar received his PhD from The Institute of Optics at the University of Rochester in 2000. His dissertation topic was the nonlinear response and application of DFB SOAs, which brought him to Prof. Y. Nakano's group at the University of Tokyo for one year beginning the Fall of 1998.

In 2000, Dr. Maywar joined Bell Labs as a Member of Technical Staff, where he co-built a WDM Raman-amplified testbed, and co-developed and demonstrated the performance of Lucent's next-generation fiber-optic transmission system (LambdaXtreme).

In 2003, Dr. Maywar joined the Laboratory for Laser Energetics at the University of Rochester as a Scientist, where he is the lead scientist responsible for the performance of LLE's nuclear-fusion-enabling 30-kJ, 60-beam UV laser, and has developed spatial profile diagnostics, wavefront sensors, and the lab's closed-loop wavefront control system.

He is the co-author of over 20 journal papers on lightwave communications, optical bistability, and all-optical signal processing, a book chapter of DFB SOAs, and is currently completing a book on optics fundamentals.

