RESEARCH CENTER FOR ADVANCED SCIENCE AND TECHNOLOGY, THE UNIVERSITY OF TOKYO
4-6-1 KOMABA, MEGURO-KU, TOKYO, 153-8904, JAPAN

SEMINAR ANNOUNCEMENT

Prof. Jong-Chang Yi

School of Electronic and Electrical Engineering
Hongik University
Seoul, Korea

"Lasing Characteristics of Waveguide Micro-Ring Cavities with Self-Aligned TIR Mirrors"

DATE: Tuesday, February 28, 2006
TIME: 10:00 am-11:00 am
PLACE: Seminar Room 207
2nd Floor, RCAST Building 3

Abstract

The lasing characteristics of InGaAsP/InP micro-ring cavities utilizing the self-aligned total-internal reflector mirrors will be introduced and discussed. The optical gain regions are made by MQW rib waveguides and the passive mirrors for the ring cavity are fabricated by using the self-aligned RIBE method. The optical lasing properties are investigated by numerical simulations as well as experimental measurements.

Biography

B.S., Seoul National University, EE Department 1979-1983. M.S., Korea Advanced Institute of Science and Technology (KAIST), EE Department 1983-1985. Researcher, Korea Institute of Science and Technology (KIST), Applied Optics Lab. 1985-1989. Ph. D., University of California, Santa Barbara, ECE Department 1989-1994. Currently, Associate Professor, Hongik University, School of Electronic and Electrical Eng., Mapo, Seoul, Korea.

Research Topics include Photonic Integrated Circuits using Electro-optic modulators, LDs, and SOAs. Quantum Devices on Quantum Dots, Wires, and RTDs.

Host: Prof. Yoshiaki Nakano, ext. 55150
nakano@rcast.u-tokyo.ac.jp

Refreshments will be provided.