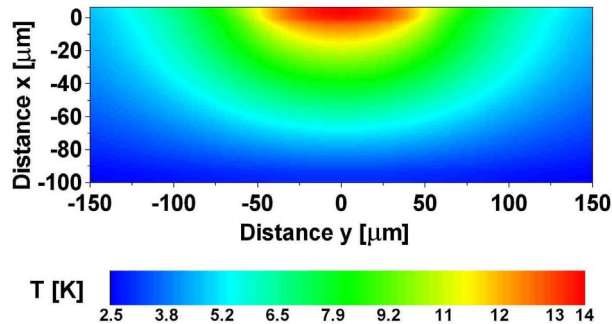


1st CEPHONA Workshop
on Computer Simulation and Design of Semiconductor Lasers,
Warsaw, November 14, 2003

Strain and thermal effects in semiconductor lasers



PROGRAM

9:55-10:00 Opening

Session 1 (invited talks): chair – J. Kącki

10:00–10:45 A. Małąg (ITME)

High power lasers with strained active region

10:45-11:30 T. Czyszanowski (Technical University, Łódź)

Optical waveguide design for semiconductor lasers

11:30–12:00 COFFEE

Session 2 (invited talks): chair – B. Mroziejewicz

12:00-13:00 W. Nakwaski (Technical University, Łódź)

Modelling of thermal phenomena in structures of diode lasers and laser-diode arrays

13:00-13:30 M. Dems (Technical University, Łódź)

Modelling of mechanical stress fields in multi-layered structures of diode lasers

13:30-15:00 LUNCH

Session 3 (invited talks): chair – W. Nakwaski

15:00-15:30 D. Wawer (ITE)

Spectroscopic techniques for mapping of strain and temperature in laser bars

15:30-16:00 A. Kozłowska (ITME)

Heat-sinking issues of laser diode arrays

16:00–16:30 COFFEE

16:30-17:00 M. Szymański (ITE)

Heat transport in high power lasers: simulation and experiment

17:00-17:10 Closing - M. Bugajski, CEPHONA Coordinator

Workshop Chairman: **Maciej Bugajski**
tel. (22) 5487932,
mail: bugajski@ite.waw.pl

Organizing Committee: **Mariusz Zbrozczyk** (secretary)
tel. (22) 5482931,
mail: mzbroz@ite.waw.pl

Anna Wójcik-Jedlińska
tel. (22) 5482937,
mail: awojcik@ite.waw.pl