

II Semiconductor Laser Workshop , December 1-2, 2008 Kazimierz Dolny



Program Committee: Maciej Bugajski
 Włodzimierz Nakwaski
 Piotr Perlin
 Witold Trzeciakowski

Secretary: Anna Gago

Program

Monday, December 1			
8:55	Opening		
9:00 – 9:40	John-Mark Hopkins (invited)	University of Strathclyde Glasgow	The Semiconductor disk laser - a history, 'how-to' and highlights
9:40 – 10:00	Kamil Pierścinski	ITE	Temperature mapping in 2.x μm VECSELs
10:00 – 10:20	Andrzej Małag	ITME	Comparison of thermal behavior of symmetric and asymmetric heterostructures for high power lasers
10:20 – 10:40	Łucja Marona	IWC PAN	Reliability of InGaN laser diodes
10:40 – 11:20	Cofee break		
11:20 – 11:40	Kamil Kosiel	ITE	MBE growth for QCLs
11:40 – 12:00	Michał Wasiak	PŁ	Theoretical optimization of QCL structures
12:00 – 12:20	Grzegorz Sęk	PWr	Columnar quantum dashes for 1.55 μm optical amplifiers
12:20 – 12:40	Marcin Motyka	PWr	Optical properties of type II QWs for 3 μm emitters
12:40 – 14:00	Lunch		

14:00 – 14:40	Harald Brown (invited)	Regensburg	Mode dynamics in GaN laser diodes
14:40 – 15:00	Marcin Sarzyński	IWC PAN	Lateral patterning in blue laser technology
15:00 – 15:20	Marcin Siekacz	IWC PAN	GaN based green emitters by PAMBE
15:20 – 15:40	Katarzyna Holz	IWC PAN	InGaN laser mini-bars
15:40 – 16:00	Cofee break		
16:00 – 16:30	Włodzimierz Nakwaski (invited)	PŁ	Mode selectivity in oxide-confined VCSELs
16:30 – 16:50	Tomasz Czyszanowski	PŁ	Parametric study of photonic-crystal VCSELs
16:50 – 17:10	Łukasz Piskorski	PŁ	Modeling of an operation of quantum-dot VCSELs
17:10 – 17:30	Emilia Karbownik	ITE	Measurements of reflectivity of laser facets
Tuesday, December 2			
9:00 – 9:40	Michał Szymański (invited)	ITE	Modeling of thermal phenomena in semiconductor lasers – analytical methods
9:40 – 10:00	Marta Gładysiewicz	PWr	Green laser based on nitrides – material requirements
10:00 – 10:20	Robert Kudrawiec	PWr	Electroreflectance spectroscopy of GaInNAsSb/GaAs and GaInNAsSb/InP structures for 1.5-1.6 μm and 2.0-3.0 μm emission
10:20 – 10:40	Wojciech Rudno-Rudziński	PWr	Tunneling structures with QDs for telecom lasers
10:40 – 11:00	Cofee break		
11:00 – 11:30	Witold Trzeciakowski (invited)	IWC PAN	Tuning of tapered laser diodes
11:30 – 11:50	Bernard Piechal	IWC PAN	Optical characterisation of the mounting strain in LDs
11:50 – 12:10	Monika Maziarz	IWC PAN	Gain as a function of pressure and temperature
12:10 – 12:30	Agata Jasik	ITE	AlGaAs/GaAs DBR structures – growth and characterisation
12:30 – 12:50	Piotr Karbownik	ITE	Processing technology for QCLs
12:50 – 14:00	Lunch		
14:00 – 14:10	Closing		