

**2008 International Nano-Optoelectronics Workshop
(iNOW 2008)**

In Cooperation With

**International Global-COE Summer School
(Photonics Integration-Core Electronics: PICE)**

And

**31st International Symposium on Optical
Communications**

August 7- August 9, 2008

Sponsored by

**National Science Foundation
CONSRT and BNNI, University of California - Berkeley
Global COE PICE, Tokyo Institute of Technology
INQIE, University of Tokyo
IEEE/LEOS**

Table of Contents

i	Message from the Co-Chairs
ii-v	Program Overview
vi-xvii	Detailed Program

Invited Speakers' Biographies and Abstracts

Page numbers

Markus Amann	Technical University of Munich	40
Shigehisa Arai	Tokyo Institute of Technology	50
Yasuhiko Arakawa	University of Tokyo	4
Masahiro Asada	Tokyo Institute of Technology	72
Toshihiko Baba	Yokohama National University	42, 56
Dieter Bimberg	Technical University of Berlin	1
Federico Capasso	Harvard University	102
Connie Chang-Hasnain	University of California, Berkeley	15, 98
Zhangyuan Chen	Peking University	86
Kent Choquette	University of Illinois at Urbana-Champaign	57, 66
Jürgen Christen	University of Magdeburg	48
Shun-Lien Chuang	University of Illinois at Urbana-Champaign	24
Dennis G. Deppe	University of Central Florida	64
Vladimir Dubrovskii	A.F. Loffe Institute	26
Alfred Forchel	University of Würzburg	18
Akira Furusawa	University of Tokyo	103
Bernard Gil	Monpellier University	83
Makoto Gonokami	University of Tokyo	7
Kazuo Hagimoto	Nippon Telegraph and Telephone Corporation	94
James Harris	Stanford University	58, 70
Yoshinori Hibino	Nippon Telegraph and Telephone Corporation	61, 93
Yi-Dong Huang	Tsinghua University	32
Yong-Zhen Huang	Semiconductor Institute	25
Keizo Inagaki	Advanced Telecommunications Research Institute International	95
Waguih Ishak	Corning Research	80
Katsumi Iwatsuki	Nippon Telegraph and Telephone Corporation	92
Masayuki Izutsu	Tokyo Institute of Technology	53, 90
Ivan Kaminow	University of California, Berkeley	59, 89
Hideo Kawanishi	Kogakuin University	36
Tetsuya Kawanishi	National Institute of Information and Communications Technology	97
Satoshi Kawata	Osaka University	11
Susumu Kinoshita	Fujitsu Labs	60
Katsumi Kishino	Sophia University	87
Kohroh Kobayashi	Tokyo Institute of Technology	62
Yasuo Kokobun	Yokohama National University	38
Fumio Koyama	Tokyo Institute of Technology	105
Tien Pei Lee	Bellcore (Retired)	52, 89
Yong-Hee Lee	Korea Advanced Institute of Science and Technology	20
Tingye Li	AT&T Labs (retired)	52
Yi Luo	Tsinghua University	84
Yuichi Matsushima	National Institute of Information and Communications Technology	91
Tomoyuki Miyamoto	Tokyo Institute of Technology	68
Tetsuya Mizumoto	Tokyo Institute of Technology	76
Tadao Nagatsuma	Osaka University	96
Yoshiaki Nakano	University of Tokyo	81
Nobuhiko Nishiyama	Tokyo Institute of Technology	46
Susumu Noda	Kyoto University	44
Keishi Ohashi	NEC Corporation	55
Kazuhiko Shimomura	Sophia University	30
Yasuharu Suematsu	National Institute of Informatics	13
Shigeki Takeuchi	Hokkaido University	17
Seigo Tarucha	University of Tokyo	100
Lars Thylén	Royal Institute of Technology	54, 74
Hiroyuki Uenohara	Tokyo Institute of Technology	34
Katsuyuki Utaka	Waseda University	78
Kerry Vahala	California Institute of Technology	3
Alan Willner	University of Southern California	6
Ming Wu	University of California, Berkeley	9
Minoru Yamada	Kanazawa University	28
C.C. Yang	National Taiwan University	22
Peidong Yang	University of California, Berkeley	12