

ICTP - ICO - OSA

*WINTER COLLEGE ON
OPTICS AND PHOTONICS*

7 - 25 February 2000 - Miramare, Trieste, Italy

Directors: Ari Friberg, Ajoy Ghatak, Franco Gori and Glenn T. Sincerbox

Local Organizer: Gallieno Denardo

Preliminary Programme

*All Lectures will be held in the Main Building, Main Lecture Hall
Laboratory Sessions: Rooms 305 & 307, 2nd Floor, Main Building*

SECOND WEEK

Monday, 14 February

09:00 - 10:00	"Uniformly polarized light" F. Gori
10:00 - 11:00	"Partial polarization and partial coherence" F. Gori
11:00 - 11:30	Coffee break
11:30 - 12:30	"Radiation and coherence transport" 1 A.T. Friberg
12:30 - 14:30	Lunch
14:30 - 15:30	"Radiation and coherence transport" 2 A.T. Friberg
15:30 - 18:00	LAMP Session I / Posters

Tuesday, 15 February

09:00 - 10:00	"Polarization: devices and applications" F. Gori
10:00 - 11:00	"Field quantization" P. Tombesi
11:00 - 11:30	Coffee break
11:30 - 12:30	"Fourier optics" W.T. Rhodes
12:30 - 14:30	Lunch
14:30 - 15:30	Introduction to Stanford CyberLab P. Chavel
15:30 - 20:00	Laboratory Session III Stanford CyberLab internet & Enhanced backscattering demo P. Chavel, F. Gori, W.T. Rhodes

Wednesday, 16 February

09:00 - 10:00	"Fundamentals of quantum optics" P. Tombesi
10:00 - 11:00	"Quantum entanglement" P. Tombesi
11:00 - 11:30	Coffee break
11:30 - 12:30	"Coherence modulation, quantum encryption, optical chaos" 1 W.T. Rhodes
12:30 - 14:30	Lunch
14:30 - 15:30	"3D optics simulation on the web" J.T. Foley
15:30 - 19:00	Laboratory Session IV WebTOP & Fiber amplifier J.T. Foley, N. Dubreuil
Evening	LAMP Session II / Posters

Thursday, 17 February

09:00 - 10:00	"Coherence modulation, quantum encryption, optical chaos" 2 W.T. Rhodes
10:00 - 11:00	"Geometrical optics" 1 A. Consortini
11:00 - 11:30	Coffee break
11:30 - 12:30	"Nonlinearities in silicon nanoclusters" A. Johnson
12:30 - 14:30	Lunch
14:30 - 19:00	Laboratory Session V WebTOP & Fiber amplifier J.T. Foley, N. Dubreuil
Evening	LAMP Session III / Posters

Friday, 18 February

09:00 - 10:00	"Nonlinear optics in quasi-phasematched media" 1 F. Laurell
10:00 - 11:00	"Nonlinear optics in quasi-phasematched media" 2 F. Laurell
11:00 - 11:30	Coffee break
11:30 - 12:30	"Geometrical optics" 2 A. Consortini
12:30 - 14:30	Lunch
14:30 - 15:30	"Nonlinearities in telecommunication fibers" A. Johnson
15:30 - 16:00	ICTP/ICO Prize Ceremony G. Denardo, A. Consortini
16:00 - 17:00	Prize Lecture Award Winner N.N.
Evening	Reception

Saturday, 19 February

09:00 - 10:00	"Diode pumped lasers" F. Laurell
10:00 - 12:00	Discussion G. Denardo, A.T. Friberg, F. Laurell, etc

THIRD WEEK

Monday, 21 February

- 09:00 - 10:00 "Fundamentals of photonic Bloch waves"
P. Russell
- 10:00 - 11:00 "Photonic crystal fibers and devices"
P. Russell
- 11:00 - 11:30 Coffee break
- 11:30 - 12:30 Conference on the optics of light beams at the Synchrotron Radiation Facility
Elettra, Trieste
M. Altarelli
- 12:30 - 14:30 Lunch
- 14:30 - 18:00 Laboratory Session VI
Tour of Synchrotron Light Laboratory & Experiments in Laser Laboratory
M. Danailov, others from Elettra

Tuesday, 22 February

- 09:00 - 10:00 "Holographic optical storage: principles"
G. Sincerbox
- 10:00 - 11:00 "Holographic optical storage: materials"
G. Sincerbox
- 11:00 - 11:30 Coffee break
- 11:30 - 12:30 "Band edge effects and related devices"
P. Russell
- 12:30 - 14:30 Lunch
- 14:30 - 15:30 "Principles of optical disk data storage" 1
M. Mansuripur
- 15:30 - 18:00 LAMP Session IV

Wednesday, 23 February

09:00 - 10:00 "Fiber optic sensors" 1
B. Culshaw

10:00 - 11:00 "Fiber optic sensors" 2
B. Culshaw

11:00 - 11:30 Coffee break

11:30 - 12:30 "Principles of optical disk data storage" 2
M. Mansuripur

12:30 - 14:30 Lunch

14:30 - 15:30 "Display technologies" 1
K. Johnson

15:30 - 18:00 LAMP Session V

Thursday, 24 February

09:00 - 10:00 "Fiber optic sensors" 3
B. Culshaw

10:00 - 11:00 "Principles of optical disk data storage" 3
M. Mansuripur

11:00 - 11:30 Coffee break

11:30 - 12:30 "Display technologies" 2
K. Johnson

12:30 - 14:30 Lunch

14:30 - 15:30 "Display technologies" 3
K. Johnson

15:30 - 17:30 LAMP Session VI

17:30 - General Discussion

Friday, 25 February

09:00 - 10:00	"Fundamentals of optical design" 1 G. Molesini
10:00 - 11:00	"Fundamentals of optical design" 2 G. Molesini
11:00 - 11:30	Coffee break
11:30 - 12:30	Conclusions and closing



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Miramare - Trieste, Italy, 7-25 February 2006**

FACULTY

Local Director

Gallieno Denardo, Abdus Salam International Centre for Theoretical Physics (ICTP) and University of Trieste, Strada Costiera 11, I-34014 Trieste, Italy; tel. +39 040 2240 313, fax. +39 040 2240 443, email denardo@ictp.trieste.it

College secretary Ms. Valerie Shaw, Abdus Salam ICTP, Strada Costiera 11, I-34014 Trieste, Italy; tel. +39 040 2240 541, fax. +39 040 224163, email shaw@ictp.trieste.it

Directors

Ari T. Friberg, Royal Institute of Technology, Department of Physics - Optics, Lindstedtsv. 24, SE-100 44 Stockholm, Sweden; tel. +46 8 790 7296, fax. +46 8 789 6672, email ari.friberg@optics.kth.se

Ajoy Ghatak, Indian Institute of Science and Technology, Department of Physics, Hauz Khas, New Delhi 110 016, India; tel. +91 11 669 1363, fax. +91 11 686 5039, +91 11 686 2037, email aghatak@physics.iitd.ernet.in

Franco Gori, Universita Roma Tre, Dipartimento di Fisica "E. Amaldi", Via della Vasca Navale 84, I-00146 Roma, Italy; tel. +39 6 5517 7036, fax. +39 6 5579393, email gori@uniroma1.it

Glenn T. Sincerbox, University of Arizona, Optical Sciences Center, Optical Data Storage Center, Tucson, AZ 85721, USA; tel. +1 520 621-4260, fax. +1 520, 621-4358, email sinbox@u.arizona.edu

Lecturers / Laboratory instructors

Massimo Altarelli, Sincrotrone Trieste - Area Science Park, Strada Statale 14, km 163.5, 34012 Basovizza - Trieste, Italy; tel. +39 040 375 8003, fax. +39 040 938 0903, email altarelli@elettra.trieste.it and Abdus Salam International Centre for Theoretical Physics (ICTP), Strada Costiera 11, I-34014 Trieste, Italy; tel. +39 040 2240 454, fax. +39 040 224163, email altarell@ictp.trieste.it

Pal Apai, Research Institute of Solid State Physics and Optics, Hungarian Academy of Sciences, Budapest XII. Konkoly Thege M.t 29-33, Budapest H-1525, Hungary; tel +36 1 3959220, fax +36 1 3959278, email apai@power.szfki.kfki.hu

Anna Consortini, Univesita degli Studi Firenze, Dipartimento di Fisica, Via Santa Marta 3, I-50139 Florence, Italy; tel. +39 055 479 6415, fax. +39 055 483750, email consortini@dffs.unifi.it

Pierre Chavel, University of Paris Sud, C. N. R. S., Institut d'Optique, BP 147, F-91403 Orsay cedex, France; tel. +33 1 69 35 87 41, fax. +33 1 69 35 87 00, email pierre.chavel@iota.u-psud.fr

Brian Culshaw, University of Strathclyde, Department of Electronic and Electrical Engineering, Royal College Building, Glasgow G1 1XW, Scotland, UK; tel. +44 141 552 4400 ext 2543 (or +44 141 548 2884), fax. +44 141 553 1955, email b.culshaw@eee.strath.ac.uk (send emails also to Carole Binnie, c.binnie@eee.strath.ac.uk)

Miltcho B. Danailov, Laser Laboratory, Sincrotrone-Trieste, SS 14, km. 163.5, I-34012 Trieste, Italy; tel +39 040 3858596/3758581, fax +39 040 9380902 email danailov@ictp.trieste.it

Nicolas Dubreuil, Ecole Supérieure d'Optique, Laboratoire Charles Fabry de l'IOTA, Centre Universitaire, Bat. 503, BP 147, F-91403 Orsay cedex, France; tel. +33 1 69.35.87.50, fax. +33 1 69.35.87.00, email nicolas.dubreuil@iota.u-psud.fr

John T. Foley, Mississippi State University, Department of Physics and Astronomy, Mississippi State, MS 39762, USA; tel. +1 601 325-2918, fax. +1 601 325 8898, email jtfl@ra.msstate.edu

Hans Peter Herzig, University of Neuchatel, Institute of Microtechnology, Rue A.-L. Breguet 2, CH-2000 Neuchatel, Switzerland; tel. +41 32 718 3270, fax. +41 32 718 3210, email hanspeter.herzig@imt.unine.ch

Anthony Johnson, New Jersey Institute of Technology, Physics Department, 161 Warren Street, Rm. 468 Tiernan, Newark, NJ 07102-1982, USA; tel. +1 973 596-3531, fax. +1 973 642 4874, email johnsonA@ADM.njit.edu

Kristina Johnson, Duke University, Edmund T. Pratt Jr. School of Engineering, 305 Teer Building, Box 90271, Durham, NC 27708-0271, USA; tel. +1 303 492-1835, fax. +1 303 492-3674, email kristina.johnson@duke.edu

Walter Johnstone, University of Strathclyde, Department of Electronic and Electrical Engineering, 204 George Street, Glasgow G1 1XW, Scotland, UK; tel. +44 141 548 2641, fax. +44 141 553 1955, email w.johnstone@eee.strath.ac.uk

Fredrik Laurell, Royal Institute of Technology, Department of laser Physics and Quantum Optics, Linsdtedtsv. 24, SE-100 44 Stockholm, Sweden; tel. +46 8 791 1327, fax. +46 8 789 6672, email fl@optics.kth.se

Masud Mansuripur, University of Arizona, Optical Sciences Center, 1630 E. University Blvd, Tucson, AZ 85721, USA; tel. +1 520 621-4879, fax. +1 520 621-4358, email masud@u.arizona.edu

Giuseppe Molesini, Istituto Nazionale di Ottica Applicata, Largo E. Fermi 6, I-50125 Florence, Italy; tel. +39 055 230 8247, fax. +39 055 233 7755, email molesini@ino.it

Daniel B. Ostrowsky, UNSA/LPMC/CNRS, Universite de Nice Sophia-Antipolis, Parc Valrose, F-06108 Nice cedex 2, France; tel. +33 4 92.07.67.53, fax. +33 4 92.07.67.54, email dan.ostrowsky@unice.fr

William T. Rhodes, Georgia Tech Lorraine, 2-3 rue Marconi, F-57070 Metz, France; tel. +33 387 20.39.22, fax. +33 387 20.39.40, email bill.rhodes@georgiatech-metz.fr

Philip Russell, University of Bath, Department of Physics, Optoelectronics Group, Claverton Down, Bath BA2 7AY, UK; tel. +44 1225 826946, fax. +44 1225 826110, email p.s.j.russell@bath.ac.uk

Massimo Santarsiero, Universita degli Studi Roma Tre, Dipartimento di Fisica, Via della Vasca Navale 84, I-00146 Rome, Italy; santarsiero@uniroma1.it

Giuseppe Schirripa Spagnolo, Universita degli Studi Roma Tre, Dipartimento di Ingegneria Elettronica, Via della Vasca Navale 84, I-00146 Rome, Italy; email giuseppe.schirripa@uniroma3.it

Anurag Sharma, Indian Institute of Science and Technology, Department of Physics, Hauz Khas, New Delhi 110 016, India; tel. +91 11 659 1350, fax. +91 11 686 5039, +91 11 686 2037, email asharma@physic.iitd.ernet.in

Lucia Sorba, Laboratorio TASC-INFN at Area Science Park, Padriciano 99, I-34100 Trieste, Italy; tel +39 040 375 6431, email sorba@sci.area.trieste.it

Paolo Tombesi, Universita degli Studi di Camerino, Dipartimento di Matematica e Fisica, Via Madonna delle Carceri, I-62032 Camerino, Italy; tel. +39 737 402509, fax. +39 737 632525, email tombesi@camars.unicam.it

