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PART V Functional Imaging and Monitoring

INSTITUTE PARTICIPANTS

Robert R. Alfano
CUNY/City College
Photonics Application Laboratory
IUSL, Room J419, P& EE Dept.
138th Street & Convent Avenue
New York, NY 10031-9198, USA

Stefan Andersson-Engels
Lund Institute of Technology
Physics Dept.
P.O. Box 118
S-22100 Lund, Sweden

Raphael Aronson
Polytechnic University
Dept. of Physics
333 Jay St.
Brooklyn, NY 11201-2990, USA

Simon R. Arridge
University College London
Dept. of Computer Science
Gower Street
London WC1E 6BT, UK

Randall L. Barbour
SUNY/Brooklyn
Health Science Center
Box 37
450 Clarkson Ave.
Brooklyn, NY 11203-2012, USA

Johan F. Beek
Academic Medical Center
Laser Center
Meibergdreef 9
1105AZ Amsterdam, Netherlands

David A. Benaron M.D.
Stanford University School of Medicine
Neonatal/Developmental Medicine
Medical Spectroscopy and Imaging
Laboratory
750 Welch Rd., Ste. 315
Stanford, CA 94304-1510, USA

Roger Berg
Lund Institute of Technology
Dept. of Physics
P.O. Box 118
S-221 00 Lund, Sweden

Juergen Beuthan
Freie University Berlin
Laser-Medizin-Zentrum
Krahmerstrasse 6-10
12207 Berlin, FRG

Luc Bos
Academic Medical Center
Laser Center
Amsterdam, Netherlands

H. Bruining
Erasmus University
Dept. of Surgery
Rotterdam, Netherlands

Christina L. Burch
Vanderbilt University
Chemical Engineering Dept.
Box 1604, Station B
Nashville, TN 37202-1604, USA

Britton Chance
University of Pennsylvania
School of Medicine
Dept. of Biochemistry and Biophysics
37th & Hamilton Walk
Philadelphia, PA 19104-6017, USA

Jeng-Hua Chang
Polytechnic University
Dept. of Electrical Engineering
333 Jay Street
Brooklyn, NY 11201-2990, USA

J. M. Coremanns
Erasmus University
Dept. of Surgery
Rotterdam, Netherlands

Bidyut B. Das
CUNY/City College
Institute for Ultrafast Spectroscopy
and Lasers
Physics Dept.
138th Street & Convent Avenue
New York, NY 10031-9198, USA

Roberto A. De Blasi
University di Roma
Instituto di Anestesiologia e
Rianimazione
Policlinico Umberto I
I-00161 Roma, Italy

Klaus Doerschel
Freie University Berlin
Laser-Medizin-Zentrum
Krahmerstrasse 6-10
12207 Berlin, FRG

W. Drexler
University Wien
Institute of Medical Physics
Wahringer Str. 13
A-1090 Wien, Austria

Adolf F. Fercher
University Wien
Institut fuer Medizinische Physik
Waehringer Str. 13
A-1090 Wien, Austria

Marco Ferrari M.D.
University dell'Aquila
Dept. di Scienze e Biomed. Tecnologie
Collemaggio
I-67100 L'Aquila, Italy

Ms. Joan K. Frisoli
University of Maryland/Baltimore
School of Medicine, Center for
Fluoresence Spec.
Dept. of Biological Chemistry
660 West Redwood Street
Baltimore, MD 21201-1596, USA

James G. Fujimoto
Massachusetts Institute of Technology
Research Laboratory of Electronics
Bldg. 36-345, EE&CS Dept.
77 Massachusetts Ave.
Cambridge, MA 02139-4307, USA

Harry L. Graber
SUNY/Brooklyn
Health Science Center
Box 41, Pathology & Biophysics Depts.
450 Clarkson Avenue
Brooklyn, NY 11203-2012, USA

Enrico Gratton
University of
Illinois/Urbana-Champaign
Laboratory for Fluorescence Dynamics
Dept. of Physics
1110 West Green Street
Urbana, IL 61801-3003, USA

Achim Gutsche
University of Texas M.D. Anderson Cancer Center
Laser Biology Research Laboratory
1515 Holcombe Blvd.
Houston, TX 77030, USA

Jeremy C. Hebden
University College London
Dept. of Medical Physics
11-20 Capper St.
London WC1E 6JA, UK

Michael R. Hee
Massachusetts Institute of Technology
Electrical Engineering and Computer Science Dept.
Cambridge, MA 02139-4325, USA

Christoph K. Hitzenberger
University Wien
Institut fuer Medizinische Physik
Waehringer Str. 13
A-1090 Wien, Austria

David Huang
Massachusetts Institute of Technology
Electrical Engineering and Computer Science Dept.
Cambridge, MA 02139-4325, USA

Humio Inaba
Biophoton Labs.
Yamagata Technopolis Foundation
2-1-1 Yagiyama Minami
Taihaku-ku, Sendai 982, Japan

C. Ince
Erasmus University
Dept. of Surgery
Rotterdam, Netherlands

Joseph A. Izatt
Massachusetts Institute of Technology
Rm. 36-345, Electrical Engineering Dept.
Cambridge, MA 02139-4325, USA

Steven L. Jacques
University of Texas
M.D. Anderson Cancer Center
Laser Biology Research Laboratory
Box 17
1515 Holcombe Boulevard
Houston, TX 77030-4009, USA

Michael L. Johnson
University of Virginia School of Medicine
Dept. of Pharmacology
Room 448, Jordan Hall
Charlottesville, VA 22908-0001, USA

Willi Kalender
Siemens AG
Medical Systems
Henkestrasse 127
91052 Erlangen, FRG

Johannes-Maria P. Kaltenbach
Ringstrasse 6
W-7923 Konigsbronn Ochsenberg, FRG

G. Kamp
University Wien
Institute of Medical Physics
Wahringer Str. 13
A-1090 Wien, Austria

Masao Kaneko
347-5 Hatsuoi-cho
Hamamatsu-City 433, Japan

Ms. Kyung A. Kang
University of Pennsylvania
School of Medicine
Dept. of Biochemistry and Biophysics
D-501 Richards Bldg.
Philadelphia, PA 19104-6089, USA

Michael Kaschke
Carl Zeiss
P.O. Box 1380
73446 Oberkochen, FRG

Joseph R. Lakowicz
University of Maryland/Baltimore
School of Medicine
Fluorescence Spectroscopy Center
Biological Chemistry Dept.
108 North Greene Street
Baltimore, MD 21201-1596, USA

Haicang Li
Shanghai Institute of Laser Technology
1 Div.
770 Yi Shan Rd.
200233 Shanghai, China

Charles P. Lin
Tufts University School of Medicine
New England Eye Center
Dept. of Ophthalmology
750 Washington Street
Boston, MA 02111-1526, USA

Hanli Liu
University of Pennsylvania
430 1 Spruce St., #305B
Philadelphia, PA 19104, USA

Feng Liu
City University of New York
City College
Room J419, Physics Dept.
138th Street and Convent Ave.
New York, NY 10031, USA

John S. Maier
University of
Illinois/Urbana-Champaign
Laboratory for Fluorescence Dynamics
Room 126, Dept. of Physics
1110 West Green Street
Urbana, IL 61801-3003, USA

Barry R. Masters
Uniformed Services University of the
Health Sciences
Dept. of Anatomy and Cell Biology
4301 Jones Bridge Road
Bethesda, MD 20814-4799, USA

B. Messer
Frei University Berlin
Lazer-Medizin Zentrum
Krahmerstrasse 6-10
D-1000 Berlin 45, FRG

Olaf Minet
Ufnaustrasse 3
10553 Berlin, FRG

Massoud Motamedi
University of Texas Medical Branch
Biomedical Engineering Center
Jennie Sealy Laser Laboratory, 6th fl.
Galveston, TX 77550, USA

Gerhard J. Müller
Freie University Berlin
Laser-Medizin-Zentrum
Krahmerstrasse 6-10
12207 Berlin, FRG

Kazimierz Nowaczyk
University of Maryland/Baltimore
School of Medicine, Center for
Fluorescence Spec.
Dept. of Chemistry
Room 379 Howard Hall
660 W. Redwood Street
Baltimore, MD 21201-1596, USA

Michael S. Patterson
Hamilton Regional Cancer Center
Dept. of Medical Physics
699 Concession Street
Hamilton Ontario L8V 5C2, Canada

Brian W. Pogue
Hamilton Regional Cancer Center
Dept. of Medical Physics
699 Concession Street
Hamilton Ontario L8V 5C2, Canada

Paul Posthumus
Academic Medical Center
Laser Center
Meibergdreef 9
1105AZ Amsterdam, Netherlands

Viravuth Prapavat
Freie University Berlin
Lazaer-Medizin Zentrum
Krahmerstrasse 6-10
D-1000 Berlin 45, FRG

Carmen A. Puliafito M.D.
Tufts University School of Medicine
New England Eye Center
Dept. of Ophthalmology
750 Washington Street
Boston, MA 02111-1533, USA

Andre Roggan
Freie University Berlin
Laser-Medizin-Zentrum
Krahmerstrasse 6-10
12207 Berlin, FRG

Christian Schroeder
Freie University Berlin
Laser-Medizin-Zentrum
Krahmerstrasse 6-10
12207 Berlin, FRG

Joel S. Schuman
Tufts University School of Medicine
New England Eye Center
750 Washington St.
Boston, MA 02111-1526, USA

Jon A. Schwartz
Jet Propulsion Laboratory
MS 161-135
4800 Oak Grove Dr.
Pasadena, CA 91109-8099, USA

Eva M. Sevick
Vanderbilt University
Chemical Engineering Dept.
Box 1604, Station B
Nashville, TN 37202-1604, USA

H. J. Sterenborg
University of Texas/Galveston
Biomedical Laser Laboratory
D-56
301 University Blvd.
Galveston, TX 77550-2708, USA

Dick Sterenborg
Academic Medical Center
Laser Center
Amsterdam, Netherlands

I. Strasser
University Wien
Institute of Medical Physics
Wahringer Str. 13
A-1090 Wien, Austria

Sune Svanberg
Lund Institute of Technology
Dept. of Physics
P.O. Box 118
S-221 00 Lund, Sweden

Eric A. Swanson
Massachusetts Institute of Technology
Lincoln Laboratory
MS C-376
244 Wood St.
Lexington, MA 02173-6499, USA

Henryk Szmacinski
University of Maryland/Baltimore
School of Medicine
Center for Fluoresence Spectroscopy
Dept. of Biological Chemistry
108 North Greene St.
Baltimore, MD 21201-1596, USA

Frank K. Tittel
111 Herman Drive, #24F
Houston, TX 77004, USA

Valery V. Tuchin
Saratov State University
Dept. of Optics
Astrakhanskaya 83
410071 Saratov, Russia

Sergey R. Utz M.D.
8A Borisova-Musatova Str. #16
410028 Saratov, Russia

Pieter van der Zee
University of Hertfordshire
Div. of Physical Sciences
Hatfield, Herts AL10qAB
College Lane
Hatfield Herts AL10 9AB, UK

Martin J. van Gemert
Academic Medical Center
Laser Center
MS JWO 0003W
Meibergdreef 9
NL-1105 AZ Amsterdam, Netherlands

Hugo J. van Staveren
Daniel den Hoed Cancer Center
P.O. Box 5201
NL-3008 AE Rotterdam, Netherlands

Li-Hong Wang
7000 Greenbriar, Apt. 22
Houston, TX 77030-3244, USA

Yao Wang
Beijing Institute of Machinery Industry
Research Group of Holography
Precision Instrument Dept.
P.O. Box 2865
100085 Beijing, China

Ashley J. Welch
University of Texas/Austin
Biomedical Engineering Program
ENS 639
Austin, TX 78712-1020, USA

Brian C. Wilson
Ontario Cancer Institute
Princess Margaret Hospital
Dept. of Clinical Physics
500 Sherbourne Street
Toronto Ontario M4X 1K9,
Canada

Yutaka Yamashita
Hamamatsu Photonics
Hamamatsu City, Japan

Ilya V. Yaroslavsky
Saratov State University
Laser Photobiology & Laser
Photomedicine Laboratory
Physics Dept.
Astrakhanskaya 83
410071 Saratov, Russia

Kwong M. Yoo
City College of New York
Dept. of Electrical Engineering
140th Street at Convent Ave.
New York, NY 10031, USA

NOMENCLATURE

GENERAL

time	t	s
thickness (of tissue)	d	mm
volume	V	mm^3
absolute temperature	T	K
angle	$\alpha, \beta, \gamma, \zeta$	rad
solid angle	Ω	sr
molecular weight	M	g/mol
Avogadro's number	N_A	1/mol
molecular gas constant	R	J/mol·K
heat capicity	$c_{p,v}$	J/kg·K
heat conductivity	λ_c	W/m·K

OPTICAL PARAMETERS

frequency	ν	1/s
velocity of light in free space	c_0	m/s
velocity of light in medium	c	m/s
wavelength	λ	nm
beam divergence	δ	rad
Poynting vector	S	W/cm^2
radiant flux	Φ	W
irradiance	E	W/cm^2
intensity	I	W/cm^2
photon density	φ	$1/cm^2$
photon flux	J	$1/s \cdot cm^2$
radiant exposure	H	J/cm^2
dose	D	J/cm^3
refractive index	n	
optical activity	γ	rad/mm
absorption coefficient	μ_a	1/mm
scattering coefficient	μ_s	1/mm
total attenuation coefficient	$\mu_t = \mu_a + \mu_s$	1/mm
optical depth	$d_{opt} = (\mu_s + \mu_a) \cdot d$	
transmittance	$T_{\%}$	%
reflectance	$R_{\%}$	%
albedo	$a = \mu_s / (\mu_a + \mu_s)$	
phase function	p	sr^{-1}