

SUNDAY, 21 OCTOBER 2007

Diamond	Ireland A	Westminster	Sapphire	Ireland B	England	Emerald	Ireland C
10:00am – 12:00pm Short Courses Session I Physics of Semiconductor Lasers: Theory & Modeling W. W. Chow		10:00am – 12:00pm Short Courses Session I Wavelength Division Multiplexing in Long-Haul Transmission Systems N. S. Bergano	10:00am – 12:00pm Short Courses Session I Introduction to Forward Error Correction in Communication Systems F. W. Kerfoot			10:00am – 12:00pm Short Courses Session I Practical de facto Laser Performance Specifications S. Sukuta	
LUNCH 12:00pm – 1:30pm							
1:00pm – 3:00pm Short Courses Session II Quantum Dots: Materials, Physics, & Devices J. J. Coleman			1:00pm – 3:00pm Short Courses Session II A Patent Law Primer J. Walker			1:00pm – 3:00pm Short Courses Session II Long-Distance DWDM Fiber- Optic Transmission Systems P. Mamyshev	
Emerald/Diamond 3:30 pm – 5:00 pm Creative Teaching Methods							
Emerald/Diamond 5:30 pm – 7:00 pm Careers in Research Forum							

MONDAY, 22 OCTOBER 2007

Diamond	Ireland A	Westminster	Sapphire	Ireland B	England	Emerald	Ireland C
Plenary Session 8:30am – 12:00pm England							
LUNCH 12:00pm – 1:30pm							
1:30pm – 3:15pm MA BIO1 Advanced High-Resolution Imaging I. K. Ilev	1:30pm – 3:00pm MB EOSS1 Novel Lasers & Sensors R. Magnusson	1:30pm – 3:00pm MC OFPW1 Waveguide Devices R. Morandotti	1:30pm – 3:00pm MD OMP1 Quantum Dots D. L. Huffaker	1:30pm – 3:00pm ME MWP1 Microwave Photonic Transmission T. R. Clark	1:30pm – 3:00pm MF IOO/NANO1 Silicon Nanophotonics A. G. Kirk	1:30pm – 3:00pm MG DIS1 OLEDs Y. Hong	1:30pm – 2:00pm MH OC1 Optical Access K. C. Reichmann
3:00pm – 3:30pm COFFEE BREAK/EXHIBITS							
3:30pm – 5:15pm MI BIO2 Multimodal Diagnostics/Imaging Technology E. Hillman	3:30pm – 5:00pm MJ EOSS2 3D Measurement & Reconstruction O. Matoba	3:30pm – 5:00pm MK OFPW2 Slow Light & Brillouin Applications J. S. Aitchison	3:30pm – 5:00pm ML OMP2 Novel Materials A. D. Stiff-Roberts	3:30pm – 5:00pm MM MWP2 Microwave Photonic Signal Processing P. W. Juodawlkis	3:30pm – 5:00pm MN IOO/NANO2 Photonic Crystal Lasers & Emission TBD	3:30pm – 5:00pm MO DIS2 Display Materials & Fabrication TBD	3:30pm – 5:00pm MP OC2 Phase-Shift Keying P. Poggiolini
6:30pm – 9:00pm CONFERENCE RECEPTION/AWARDS BANQUET							

TUESDAY, 23 OCTOBER 2007

Diamond	Ireland A	Westminster	Sapphire	Ireland B	England	Emerald	Ireland C
8:30am – 10:00am TuA BIO3 Novel Approaches in Nanophotonics TBD	8:30am – 10:00am TuB EOSS3 Image Reconstruction & Sensing T. Nomura	8:30am – 10:00am TuC OFPW3 Planar Optical Circuits J. B. Soole	8:30am – 9:45am TuD OMP3 Hybrid & Silicon Integration M. B. Johnston	8:30am – 10:00am TuE MWP3 Microwave Photonic Devices D. Novak	8:30am – 10:00am TuF NANO1 Integrated Nanophotonics A. S. Helmy	8:30am – 9:45am TuG DIS3 Large Area Electro- Optics S. M. Garner	8:30am – 10:00am TuH OC3 Coherent Detection & Signal Processing K. C. Reichmann
10:00am – 10:30am COFFEE BREAK/EXHIBITS							
10:30am – 12:00pm TuI BIO4 Advanced Bio- Spectroscopy R. K. Shori	10:30am – 12:30pm TuJ EOSS4 Sensors TBD	10:30am – 12:00pm TuK OFPW4 Fiber Lasers S. Ramachandran	10:30am – 12:00pm TuL SL1 Novel Resonator Semiconductor Lasers J. E. Bowers	10:30am – 12:00pm TuM MWP/IOO1 Microwave Photonic Integration A. J. Seeds	10:30am – 12:00pm TuN NANO2 Nanocavities A. G. Kirk	10:30am – 12:00pm TuO DIS4 Electronic Paper B. D'Andrade	10:30am – 12:00pm TuP OC4 Ultra High Bit Rate & Ultra Long Distance Communication P. J. Winzer
LUNCH 12:00pm – 1:30pm							
1:30pm – 3:00pm TuQ BIO5 Progress in Biosensing Technology A. G. Markelz	1:30pm – 3:00pm TuR SL2 High Power Semiconductor Lasers & Amplifiers G. M. Smith	1:30pm – 3:00pm TuS OFPW5 Fiber Gratings & Devices J. Canning	1:30pm – 3:00pm TuT NANO/OMP1 Nano Fabricated Structures A. S. Helmy	1:30pm – 2:45pm TuU MWP/OC1 Wireless Over Fiber Systems S. Hwang	1:30pm – 3:00pm TuV NANO3 Photonic Crystals T. Asano	1:30pm – 3:00pm TuW DIS5 Display Systems J. C. Heikenfeld	1:30pm – 3:00pm TuX SS-GIG1 SS on 100 Gigabit Ethernet I P. J. Winzer
3:00pm – 3:30pm COFFEE BREAK/EXHIBITS							
3:30pm – 4:45pm TuY HPSW1 High Intensity Lasers M. C. Richardson	3:30pm – 5:00pm TuZ SL3 Short Wavelength Semiconductor Lasers S. Hallstein	3:30pm – 5:00pm TuAA SSL1 High Power Fiber Lasers & Applications R. K. Shori	3:30pm – 5:00pm TuBB PI1 Integrated Photodetectors & Waveguides for Communication & Imaging S. Donati	3:30pm – 5:00pm TuCC IOO/OPW1 Microresonators TBD	3:30pm – 5:00pm TuDD NANO/OMP2 Nanowires S. Krishna		3:30pm – 5:00pm TuEE SS-GIG2 SS on 100 Gigabit Ethernet II J. C. Cartledge

WEDNESDAY, 24 OCTOBER 2007

Diamond	Ireland A	Westminster	Sapphire	Ireland B	England	Emerald	Ireland C
8:30am – 10:00am WA HPSW2 Coherent X-rays & Applications H. Nakano	8:30am – 10:00am WB SL4 Quantum Dot Lasers L. F. Lester	8:30am – 10:00am WC SSL2 Laser Materials & Devices N. S. Prasad	8:30am – 10:00am WD PI2 Geiger Mode Avalanche Photodiodes J. P. R. David	8:30am – 10:00am WE IOO1 Photonic Microfluidics V. Lien	8:30am – 10:00am WF NANO4 Nanohole Arrays P. Lalanne	8:30am – 10:00am WG OIPS1 Silicon Photonic Optical Interconnections I Y. A. Vlasov	8:30am – 9:45am WH OC/ONS1 Security in Optical Networks P. C. Toliver
10:00am – 10:30am COFFEE BREAK/EXHIBITS							
10:30am – 12:15pm WI HPSW3 EUV Lithography & Imaging T. Ozaki	10:30am – 12:00pm WJ SL5 Modulation & Frequency Response A. Passaseo	10:30am – 12:00pm WK SSL3 MWIR Devices R. K. Shori	10:30am – 12:00pm WL PI3 Properties of Avalanche Photodiodes M. A. Itzler	10:30am – 12:00pm WM IOO2 Devices for Signal Generation TBD	10:30am – 12:00pm WN NANO5 Carbon Nanotubes & Confined Systems A. K. Swan	10:30am – 12:00pm WO OIPS2 Silicon Photonic Optical Interconnections II M. Orenstein	10:30am – 12:00pm WP OC/ONS2 Optical Interconnects & Monitoring E. Golovchenko
LUNCH 12:00pm – 1:30pm							
1:30pm – 3:00pm WQ NLO/OFPW1 Fiber Non-Linear Optics TBD	1:30pm – 3:00pm WR SL6 VCSEL I A. C. Bryce	1:30pm – 3:00pm WS OPMR1 Novel Optoelectronic Manufacturing & Reliability M-Y. Shih	1:30pm – 2:45pm WT PI4 Photodetectors for Imaging R. Sudharsanan	1:30pm – 3:00pm WU IOO3 Broadband LEDs & Switching TBD	1:30pm – 3:00pm WV NANO6 Quantum Dots & Single Molecules H. Altug	1:30pm – 2:45pm WW OIPS3 Plasmonics K. Bergman	1:30pm – 2:45pm WX OC/ONS3 Optical CDMA P. C. Toliver
3:00pm – 3:30pm COFFEE BREAK/EXHIBITS							
3:30pm – 5:00pm WY NLO1 Solitons & Polaritons TBD	3:30pm – 5:00pm WZ SL7 VCSEL II K. Choquette	3:30pm – 5:15pm WAA OPMR2 Optoelectronic Interconnect M. S. Bakir	3:30pm – 5:00pm WBB PI5 Long Wavelength IR Photodetectors M. M. Hayat	3:30pm – 5:00pm WCC IOO4 Signal Generation, Filtering & Switching TBD	3:30pm – 5:00pm WDD NANO7 Quantum Dots I. Gerhardt	3:30pm – 5:15pm WEE OIPS4 High-Speed Optical Interconnection Technologies M. Asghari	3:30pm – 5:00pm WFF OC/ONS4 Transmission in Next Generation Networks J. C. Cartledge
5:30pm – 6:30pm POSTDEADLINE SESSIONS							

THURSDAY, 25 OCTOBER 2007

Diamond	Ireland A	Westminster	Sapphire	Ireland B	England	Emerald	Ireland C
8:30am – 10:00am ThA NLO2 Second-Harmonic Generation Y. J. Ding	8:30am – 10:00am ThB SL8 Mid-Infrared Semiconductor Lasers G. Scalari	8:30am – 9:30am ThC SS-MEM1 Micro/Nano Fabrication W. Noell	8:30am – 10:00am ThD UOE1 Ultrafast Optical Combs J. D. McKinney	8:30am – 10:00am ThE IOO5 Integrated Devices for Optical Communications TBD	8:30am – 10:00am ThF SS-THZ1 Generation and Applications T. R. Clark	8:30am – 10:00am ThG ONS1 Packet and Label-Switched Networks L. Chen	8:30am – 9:30am ThH OC5 Radio Over Fiber Systems T. Woodward
10:00am – 10:30am COFFEE BREAK/EXHIBITS							
10:30am – 12:00pm ThI NLO3 Cascaded Nonlinear Processes and Two-Photon Absorption TBD	10:30am – 12:00pm ThJ SL9 Quantum Cascade Lasers J. Cockburn	10:30am – 12:00pm ThK SS-MEM2 MEMS/NEMS Devices and Systems I M. C. Wu	10:30am – 11:45am ThL UOE2 Ultrafast Lasers A. Braun	10:30am – 12:00pm ThM IOO6 InP Photonic Integrated Circuits TBD	10:30am – 12:00pm ThN SS-THZ2 Heterodyne THz Sources A. J. Seeds	10:30am – 12:15pm ThO ONS2 Optical Access Networks W. Shieh	10:30am – 11:45am ThP OC6 All-Optical Regeneration J. Jacob
LUNCH 12:00pm – 1:30pm							
1:30pm – 3:00pm ThQ NLO4 Tunable Filters and Photonic Crystal Fibers I. C. Khoo	1:30pm – 3:00pm ThR SL10 Novel Semiconductor Laser Structures TBD	1:30pm – 3:00pm ThS SS-MEM3 MEMS/NEMS Devices and Systems II H. Urey	1:30pm – 3:00pm ThT UOE3 Ultrafast Pulse Measurement D. Leaird	1:30pm – 3:00pm ThU IOO7 Si Photonic Integrated Circuits TBD	1:30pm – 3:00pm ThV SS-THZ3 Semiconductor Laser Based THz Sources T. Nagatsuma	1:30pm – 3:00pm ThW ONS3 Passive Optical Networks J. Yu	1:30pm – 2:45pm ThX OC7 Optical Modulation C. Madsen
3:00pm – 3:30pm COFFEE BREAK/EXHIBITS							
3:30pm – 5:00pm ThY NLO5 Nonlinear Optical Effects in Semiconductors J. S. Aitchison	3:30pm – 5:00pm ThZ OMP4 Wide Bandgap Semiconductors TBD	3:30pm – 4:45pm ThAA SS-MEM4 MEMS/NEMS Devices and Systems II M. Sasaki	3:30pm – 4:45pm ThBB UOE4 Ultrafast Pulse Processing S-D. Yang	3:30pm – 5:00pm ThCC IOO8 Nano Photonic Devices TBD		3:30pm – 5:00pm ThDD ONS4 Global Perspective on Access Networks TBD	3:30pm – 4:45pm ThEE OC8 Signal Processing R. Griffin