

FINAL PROGRAM

Wednesday, July 4, 2007

17:00-19:30 Registration Desk Open (in front of Cristal Hall)

18:00-19:30	Welcome Reception (in Cristal Hall)
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Thursday, July 5, 2007

8:30-18:30 Registration Desk Open (in front of Senju-no-Ma)

Time	Speaker	Institution	Presentation	Page
9:00-9:15	K.Kitayama	Osaka University	Welcome Address	-
	S. Zanini	Italy's Consul General	Opening Remarks	-
	Y.Matsushima	NiCT		
9:15-10:10	G. Grasso	Pirelli Labs	[Keynote] Silicon on Insulator Based Integrated Flexible Optical Components	1
10:10-10:30	K. Ohashi	NEC Corp.	Nanophotonics for Networks : from Telecom to LSI	-
10:30-11:00	Coffee Break			
11:00-11:20	T. Suhara	Osaka Univesity	Waveguide Quasi-Phase-Matched Nonlinear-Optic Devices for Photonic Communications	5
11:20-11:40	F. Di Pasquale	Scuola Superiore Sant'Anna	Finite Element Modelling of Silicon Nanoclusters Sensitized Erbium Doped Waveguide Amplifiers	9
11:40-12:00	Y. Itaya	NTT Photonics Labs	Photonic Devices toward New Generation Networks	13
12:00-12:20	E. Zanoni	University of Padova	Chracaterization, Modeling and Reliability of Compound Semiconductor Microelectronic and Optoelectronic Devices	17
12:20-12:40	S. Namiki	AIST	Parametric Tunable Dispersion Compensation for Future Dynamic Optical Networks	21
12:40-13:00	M. Secondini	Scuola Superiore	Advanced Transmission Techniques for Optical Communications	25
13:00-14:00	Lunch Break (on your own)			
14:00-14:20	Ma. Matsumoto	Osaka Univesity	Transmission Control and Regeneration of Multi-Level Phase-Modulated Optical Signals	29
14:20-14:40	E. Ciarabella	Scuola Superiore Sant'Anna	Time-to-Wavelength Conversion for All-Optical Label Processing of DPSK Packets	33
14:40-15:00	T. Kawanishi	NICT	Advanced Optical Modulation Techniques for Ultra-High Capacity Transmission	37
15:00-15:20	A. Bogoni	CNIT	Photonics Interconnection Networks Fully Based on All-Optical Cascaded SOA-Based Ultrafast Module	41
15:20-15:40	T. Miyazaki	NICT	Link Technologies Towards Ultra-Efficient from Ultra-Fast	45
15:40-16:00	M. Martinelli	CORECOM Polyt. of	High Spectral Efficiency Optical Communication Systems	49
16:00-16:30	Coffee Break			
16:30-16:50	T. Konishi	Osaka Univesity	Latent Potential of Optical Signal Processing for Optical Label Recognition	53
16:50-17:10	V. De Giorgio	University of Pavia	Compensation of Nonlinearity in an Optical-Communication Link by Using Optical Phase Conjugation	57
17:10-17:30	A. Maruta	Osaka Univesity	All-Optical Signal Processing Based on Fiber Nonlinearity	61
17:30-17:50	A. Galtarossa	University of Padova	Anomalous Polarization Properties of Single-Mode Randomly Birefringent Spun Fibers	65
17:50-18:10	Mi. Matsumoto	Waseda University	Research and Development of Full Optical Connected Technology of Optical Wireless and Optical Fiber	S69
18:10-18:30	O. Ishida	NTT	Terabit LAN Challenges in Japan	-
19:00-21:00	Social Dinner with interventions of P.Ancilotti Director of Scuola Superiore Sant'Anna, H. Miyahara President of Osaka University, A. Volpi Scientific Attaché Embassy of Italy (in Cristal Hall)			

Friday, July 6, 2007

9:00-17:00

Registration Desk Open (in front of Senju-no-Ma)

Time	Speaker		Presentation	Page
9:20-10:15	T. Aoyama	Keio University	[Keynote] A New Generation Network and Its Application	-
10:15-10:35	K. Hagimoto	NTT	Penetration of Photonic Network in Japan	-
10:35-11:00	Coffee Break			
11:00-11:20	M. Murata	Osaka University	Bio-Inspired Approaches Towards New-Generation Network Architecture	69
11:20-11:40	P. Castoldi	Scuola Superiore Sant'Anna	Accounting for Physical Impairments in Transparent Networks: a Path Computation Element (PCE) Solution	70
11:40-12:00	K. Sato	Nagoya University	Recent Advances and Challenges of Multi-Granular Optical Path Networks	-
12:00-12:20	A. Viglienzoni	Ericsson	Technologies for Optical Transport Networks Evolution	73
12:20-12:40	S. Araki	NEC	Control Plane Technologies for the Next Generation Optical/IP Converged Networks	77
12:40-13:00	H. Onaka	Fujitsu/Osaka University	WDM Optical Packet Interconnection for Peta Flops Ultra-High Performance Computing System Using Multi-Stage SOA Gate Switch	-
13:00-14:00	Lunch Break (on your own)			
14:00-14:20	K. Motoshima	Mitsubishi	Optics and System Technologies in Broadband Optical Access Networks in NGN Era	-
14:20-14:40	P. Ghiggino	Ericsson	New Generation Fiber in Access: Can Optical Technology Rise to the Challenge?	81
14:40-15:00	L. Poti	CNIT	100Gb/s Ethernet Design Constraints for PMD Sublayers and Experimental Investigation of Transmitter Jitter and Residual Chromatic Dispersion Impact Exploiting OOK Formats	85
15:00-15:20	N. Wada	NICT	All-Optical Label-Processing Based Colored OPS Prototype with Novel 10GbE/Optical-Packet Converter	89
15:20-15:40	G. Cincotti	Roma 3 University	Single-Chip Encoder for Optical Router : Packet Switching, Burst Switching and WDM-OCDMA Transmission	93
15:40-16:00	X. Wang	NICT	High Capacity Asynchronous OCDMA System with Advanced Modulation Techniques	97
16:00-16:30	Coffee Break			
16:30-16:50	K. Inoue	Osaka University	Differential-Phase-Shift Quantum Key Distribution	101
16:50-17:10	P. Franco	Pirelli Labs	A New Slogan for Optical Transceivers: Plug & Tune	105
17:10-17:30	G. Prati	Scuola Superiore	Closing Remarks	-

Saturday, July 7, 2007

9:00 Tour bus is waiting for you in front of the Hotel.

9:00-17:30	Excursion to Kyoto			
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