PS 2012
PHOTONICS IN SWITCHING 2012

11, 12, 13 & 14 september 2012 - AJACCIO - CORSICA-FRANCE

The International Photonics in Switching conference, created in late 80's in Japan and regularly organised by Japan, USA and Europe welcome you in 2012 in Ajaccio, France. This conference focusing on components, systems and networks exploiting advanced optical technologies drives the design for new future promising system and networks. The Photonics in Switching 2012 conference will integrate a Telecom & Energy forum to analyse the future needs and discuss the potential of new green technical directions.

Local Organisation

Michel Dupire, SEE
Sandrine Zonza, Palais des Congrès
Fiona Gerente, Optics Valley
Laurent Casasoprana, Corse Matin

Committees

Steering committee:

USA representatives :
S.J. Ben Yoo, UCDAVIS
John Bowers, UCSB
Allan Willner, USC
Japan representatives :
Ken Ichi Kitayama, Osaka University
Yoshiaki Nakano, The University Of Tokyo
Europe representatives:
Giancarlo Prati, CNIT, Italy
Dominique Chiaroni, ALU, France

General Chairman for PS 2012:

Dominique Chiaroni, ALU, France
Esther Lerouzic, France Telecom Orange Labs, France
Gilles Notton, Université de Corse, France
S.J. Ben Yoo, UCDAVIS, USA

Technical Program Committee Chairs:

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Harm Dorren, Technical University of Eindhoven, Netherlands
Ryo Takahashi, NTT corporation, Japan:
Paulette Gavignet, France Telecom Orange Labs, France
Keren Bergman, Columbia University, USA

Telecom & Energy forum

Dan Kilper, GREEN TOUCH consortium
Nicolas Heraud, Université de Corse

Key dates:

April 27th, 2012: Deadline for regular papers
September 7th, 2012 : Deadline for postdeadline papers
September 11th, 2012 : Registration + workshops
September 11th, 12th, 13th and 14th, 2012: PS2012

Web site : www.ps2012.net

Topics

Optical switching components & devices (SC1)

Photonic memory and optical buffers
Tuneable laser technologies
Optical Amplifiers
Colourless interfaces
Optical decoder
FEC for optical packets
Burst mode receivers

Optical Switching functions & building blocks (SC2)

All optical processing : all optical flip-flops, optical logic
Optical memory: Optical RAM, FDL buffers
Wavelength conversion technologies, all-optical and hybrid
Integrated photonic switching technologies: MEMS, integrated devices, ...
Photonic Integrated Circuits: Laser array + mux, PD array + mux, ...
Silicon photonic switching technologies
Nano-photonic switching technologies
Optical label switching

Optical systems (SC3)

Optics in computing systems
Optical cross-connects
Reconfigurable optical add-drop multiplexers, WSS
Optical packet or burst switching systems for routers
Optical time domain multiplexed systems
Hybrid opto-electronic multi-ten Terabit Routers
Optical CDMA systems
Optical interconnects
Optical access systems

Optical networking (SC4)

Rapidly reconfigurable networks
Optical networks control and management
Next-generation GMPLS, ASON, Photonic MPLS
Optical label switching networks
IP over-optical architectures
Optical access networks
Optical metro networks
Optical backbones
High-performance data server and computing networks with optical interconnects
Energy-efficient in networks and cloud computing
OTN
Cloud Computing
DATA centers
Future Internet Architectures
Performance of networks
Simulations of networks
Convergence fixed-mobile in optical networks

Palais des
Congrès d'Ajaccio

Opticsvalley