Program

Friday, December 17

I1: Invited Technical Papers

Architectural Support for Internet Evolution and Innovation
Rudra Dutta (North Carolina State University, USA); Ilia Baldine (RENCI (Renaissance Computing Institute) & UNC Chapel Hill, USA); Anjing Wang (Ericsson, USA); Mohan Iyer (Oracle Corporation, USA); George N. Rouskas (North Carolina State University, USA)
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Protection Costs of a Fully Connected IP Core Network Over a WDM Ring
Čiril Rožič (University of Hawaii, USA); Galen Sasaki (University of Hawaii, USA)
pp. 4-6

Silicon-based Devices for Computer Interconnects
Lech Wosinski (Royal Institute of Technology, Sweden); Zhechao Wang (Royal Institute of Technology, Sweden)
pp. 7-9

Green Lightpath Provisioning in Transparent WDM Networks: Pros and Cons
Pawel Wiatr (KTH Royal Institute of Technology, Sweden); Paolo Monti (The Royal Institute of Technology (KTH), Sweden); Lena Wosinska (Royal Institute of Technology KTH, Sweden)
pp. 10-12

Saturday, December 18

S1: High Speed Networks

A Multi-Path Routing Scheme for GMPLS-Controlled WDM Networks
Rabindra Ghimire (University of Arkansas at Little Rock, USA); Seshadri Mohan (University of Arkansas at Little Rock, USA)
pp. 13-15

An Empirical Model of Power Consumption in the NetFPGA Gigabit Router
Arun Vishwanath (University of New South Wales, Australia); Zhi Zhao (university of New South Wales, Australia); Vijay Sivaraman (University of New South Wales, Australia); Craig L Russell (CSIRO, Australia)
pp. 16-18
A Heuristic for Combined Protection of IP Services and Wavelength Services in Optical WDM Networks
Chaitanya S. K. Vadrevu (University of California, Davis, USA); Massimo Tornatore (Politecnico di Milano & University of California, Davis, Italy); Chin Guok (Energy Sciences Network, USA); Inder Monga (Energy Sciences Network, USA)
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Dynamic Circuits with Lightpath Switching over Wavelength Routed Networks
Neal Charbonneau (The MITRE Corporation, USA); Vinod M. Vokkarane (University of Massachusetts Dartmouth, USA)
pp. 22-24

Hybrid All-Optical Networks: Routing and Wavelength Assignment
Shivashis Saha (University of Nebraska-Lincoln, USA); Chandra Nelapati (University of Nebraska Lincoln, USA); Jitender Singh Deogun (University of Nebraska-Lincoln, USA)
pp. 25-27

Performance Analysis of Dynamic Bandwidth Allocation Algorithms for Long-Reach PONs
Neeharika Jana (Indian Institute of Technology Madras, India); Ganesh Chennimalai Sankaran (Indian Institute of Technology Madras & HCL Cisco Offshore Development Center, India); Krishna M. Sivalingam (Indian Institute of Technology Madras, India); Gerard P. Parr (University of Ulster, United Kingdom)
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S2: Network Applications

New Link Addition Strategies for Multi-Gateway Small World Wireless Mesh Networks
Aditi Verma (University of Mumbai, India); Chetan Verma (UC San Diego, USA); Bheemarjuna Reddy Tamma (University of California, San Diego, USA); Manoj Bs (Indian Institute of Space Science and Technology & California Institute of Telecommunication and IT, India)
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IdP proxy for combined authentication based on multiple IdPs
Tadashi Kaji (Hitachi, Ltd., Japan)
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On Capturing Spatio-temporal Factors in Cognitive Network Channel Selection
Joshal A Daftari (University of California, San Diego, USA); Bheemarjuna Reddy Tamma (University of California, San Diego, USA); Manoj Bs (Indian Institute of Space Science and Technology & California Institute of Telecommunication and IT, India); Ramesh Rao (University of California at San Diego, USA)
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### S3: Core Networks

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