

Table of Contents

A Crosslayer-aware Bandwidth Aggregation & Network Condition Determination System Using Multiple Physical Links <i>Shameemraj Mohinuddin Nadaf and Soma Bandyopadhyay</i>	1
Trustworthy Distribution and Retrieval of Information over HTTP and the Internet <i>Isai Michel Lombera, Yung-Ting Chuang, Peter Michael Melliar-Smith, and Louise E. Moser</i>	7
Towards a Decentralized QoE Layer for the Mobile Internet <i>Martin Dobler, Jens Schumacher, Fikret Sivrikaya, Sebastian Peters, Eileen Dillon, and Gemma Power</i>	14
TCP Congestion Avoidance using Proportional plus Derivative Control <i>Dirceu Cavendish, Hikaru Kuwahara, Kazumi Kumazoe, Masato Tsuru, and Yuji Oie</i>	20
Evaluating an Open Source eXtensible Resource Identifier Naming System for Cloud Computing Environments <i>Antonio Celesti, Francesco Tusa, Massimo Villari, and Antonio Puliafito</i>	26
Signal Processing-based Anomaly Detection Techniques: A Comparative Analysis <i>Joseph Ndong and Kave Salamatian</i>	32
Dynamic Firewall Configuration: Security System Architecture and Algebra of the Filtering Rules <i>Vladimir Zaborovsky, Vladimir Mulukha, Alexander Silinenko, and Sergey Kupreenko</i>	40
Open IDM 2.0 Framework: a Unifying Gateway for Interoperable Identity Management <i>Brahim En-Nasry and Mohamed Dafir Ech-Cherif El Kettani</i>	46
Performance Analysis of a Keyed Hash Function based on Discrete and Chaotic Proven Iterations <i>Jacques Bahi, Jean-Francois Couchot, and Christophe Guyeux</i>	52
Virtual Internet Connections Over Dynamic Peer-to-Peer Overlay Networks <i>Telesphore Tiendrebeogo, Damien Magoni, and Oumarou Sie</i>	58
Connectivity Services Management in Multi-domain Content-Aware Networks for Multimedia Applications <i>Eugen Borcoci, Mihai Stanciu, Dragos Niculescu, Daniel Negru, and George Xilouris</i>	66
Class of Trustworthy Pseudo-Random Number Generators <i>Jacques M. Bahi, Jean-Francois Couchot, Christophe Guyeux, and Qianxue Wang</i>	72
On the Applications of Deterministic Chaos for Encrypting Data on the Cloud <i>Jonathan Blackledge and Nikolai Ptitsyn</i>	78

Target Tracking in the Recommender Space - Toward a new recommender system based on Kalman filtering <i>Samuel Nowakowski, Anne Boyer, and Cedric Bernier</i>	88
A Cooperative Game for Distributed Wavelength Assignment in WDM Networks <i>Horacio Caniza Vierci, Alexander Wich Vollrath, and Benjamin Baran</i>	92
Manual Multi-Domain Routing for Geant E2E Links with the I-SHARe Tool <i>Mark Yampolskiy, Wolfgang Fritz, Wolfgang Hommel, Gloria Vuagnin, and Fulvio Galeazzi</i>	98
Dynamic Decision Engine for Data Connections Routing <i>Sajjad Ali Mushtaq, Christophe Lohr, and Annie Graver</i>	104