2010 International Congress on Ultra Modern Telecommunications and Control Systems and Workshops

(ICUMT 2010)

Moscow, Russia
18 - 20 October 2010

Pages 635 - 1238
DYNAMIC ALTERNATIVE ROUTING WITH LOCAL PROTECTION PATHS IN MPLS NETWORKS
Catarina Francisco, Lucia Martins, Joao Redol, Paulo Monteiro

WDM NETWORK RE-OPTIMIZATION AVOIDING COSTLY TRAFFIC DISRUPTIONS
Fernando Solano, Michal Pioro

INCREMENTAL COORDINATION IN COLLABORATIVE NETWORKS
Alexander Fridman, Olga Fridman

A QUANTITATIVE APPROACH TO ANALYSIS OF A SYSTEM OF SYSTEMS OPERATIONAL BOUNDARIES
Alex Gorod, Alexander Fridman, Brian Sausser

A FRAMEWORK FOR DECISION MAKING IN EXTENDED
Hamid R. Darabi, Mo Mansouri, Nazanin Andalibi, Eileen Para

THE SYSTEM OF INTERESTS CONCILIATION IN THE MANAGEMENT OF AN ENTERPRISE WITHIN THE VERTICALLY INTEGRATED STRUCTURE
Vyacheslav A. Tsukerman, Igor V. Selin, Ludmila V. Ivanova

ULTRA-HIGH SPEED WIRELESS TECHNOLOGY FROM A SYSTEM OF SYSTEMS PERSPECTIVE
Babak Heydari, Mo Mansouri

NETWORK EFFECTS AND INSTITUTIONAL FILTERS: A PIECE OF NEW REALITY FOR ECONOMIC SYSTEMS OF SYSTEMS
Robert M. Nizhegorodtsev

A FRAMEWORK FOR PERFORMANCE BASED LOGISTICS: A SYSTEM OF SYSTEMS APPROACH
David Nowicki, Wesley S. Randall, Alex Gorod

A PERSONAL HISTORY IN SYSTEM OF SYSTEMS
B. E. White

REF: RESILIENCE EVALUATION FRAMEWORK
Bruno Sousa, Kustas Pentikousis, Marilina Curado

PERFORMANCE MODELING OF WEB ACCESS OVER HSPA NETWORKS
Manuel Alvarez-Campana, Enrique Vazquez, Joan Vinyes

BER ANALYSIS OF DUAL-CARRIER MODULATION (DCM) OVER RAYLEIGH FADING CHANNEL
Hyun-Seok Ryu, Jun-Seok Lee, Chung G. Kang

MODIFYING THE HIPERLAN/1 CAC LAYER PROTOCOL FOR INTERMITTENT CONNECTIVITY
Constantine Contreras

STORE AND HAUL WITH REPEATED CONTROLLED FLOODING
Tyrone Thedinger, Abdul Jabbar, James P. G. Storbenz

CHANNEL RESERVATION AND QUEUING IN LOW EARTH ORBIT MOBILE SATELLITE SYSTEM
Jia Yu, Peng Zong

ENERGY-EFFICIENT MAC PROTOCOLS FOR WIRELESS BODY AREA NETWORKS: SURVEY
Sai Anand Gopalan, Jong-Tae Park

AN EXTENDED FRAMEWORK FOR THE DEVELOPMENT OF WSN APPLICATIONS
Luigi Pomanle, Mohammad Mostafzaei, Rahman Macuunder, Antonio Spinasi, Stefano Olivieri, Luciano Lavagno

QOS-GUARANTEED LOCAL MOBILITY MANAGEMENT WITH DUAL TUNNEL IN HETEROGENEOUS WIRELESS NETWORKS
Jong-Tae Park, Seung-Man Chiu

SUPPLY AND DEMAND, A DYNAMIC TOPOLOGY CONTROL METHOD FOR MESH NETWORKS
Daniel Cámara, Christian Bonnet

A NOVEL FAIR MAPPING SCHEME FOR IEEE 802.16 DOWNLINK SUB-FRAME
Ponagiotis G. Sarigiannidis, Periklis Chatzimisios, Malamati D. Louta
A NOVEL COMBINED CSI FEEDBACK MECHANISM TO SUPPORT MULTI-USER MIMO BEAMFORMING SCHEMES IN TDD-OFDMA SYSTEMS ................................................................. 896
Gregory Morozov, Alexei Davydov, Apostolos Papanastassiou
ANALYSIS OF IEEE 802.16M AND 3GPP LTE RELEASE 10 TECHNOLOGIES BY RUSSIAN EVALUATION GROUP FOR IMT-ADVANCED ...................................................... 901
Alexander Maltsev, Alexey Khoryuev, Roman Maslennikov, Mikhail Shilov, Maxim Boyokin, Gregory Morozov, Andrey Chervyakov, Andrey Pudeyev, Vadim Sergeyev, Alexei Davydov
BASIC CLIENT RELAY MODEL FOR WIRELESS CELLULAR NETWORKS .................................................. 909
Sergey Andreev, Olga Galinina, Audrey Turlikov
A REGIONAL DANGEROUS INFORMATION SERVICE SYSTEM USING MOBILE COMMUNICATION AND WEB MAP DELIVERY TECHNOLOGY ........................................... 916
Xiaoping Ling
CONFIGURATION OF ALARM WIRELESS SENSOR ELEMENT ........................................................... 924
Mark Sh. Levin, Alexander V. Fimin
3-D LOCALIZATION ALGORITHM OF TIME-CHANGED WIRELESS SENSOR NETWORKS BASED ON INITIAL TOPOGRAPHICAL INFORMATION AND ITS ENGINEERING APPLICATION .................................................. 929
Hua Deng, Yao Xu
HOLOGRAPHIC VERSATILE DISC: HIGH SPEED INFORMATION STORAGE SYSTEMS .................................................. 934
Arun Rana, Ojaswani Arora, Nidhi Syal, Prabhdeep Singh
DESIGN AND IMPLEMENTATION OF CLIENT AGENT IN THE NETWORK ADMISSION CONTROL ........................................................... 940
Cuijiao Fu, Qinghua Cao
CROSS-LAYER OPTIMAL POLICIES FOR STOCHASTIC RELIABLE TRANSMISSION IN WIRELESS SENSOR NETWORKS ........................................................... 944
Binbin Xiong, Wei Yan, Chauqiong Liu, Fengyuan Ren
A WINDOW-BASED OPTIMIZATION OF ENERGY DETECTION IN TIME-VARYING CHANNELS ........................................................... 952
Qin Zhenquan, Li Lin, Sun Weifeng, Wang Lei
DISTRIBUTED CONTROL BASED ON TIE-SET GRAPH THEORY FOR SMART GRID NETWORKS ........................................................... 957
Kiyoshi Nekayama, Norihiko Shinomiya
A COGNITIVE BASED SPECTRUM SHARING SCHEME FOR LTE ADVANCED SYSTEMS ........................................................... 965
Xinsheng Zhao, Zhiyi Guo, Qiang Guo
MOBILE SENSOR NETWORK DEPLOYMENT USING CELLULAR LEARNING AUTOMATA APPROACH ........................................................... 976
M. Kalantary, M. R. Meybodi
SIMULATION MODELLING AND ANALYSIS OF A REALISTIC RADIO CHANNEL MODEL FOR V2V COMMUNICATIONS ........................................................... 981
Maria Kihl, Kaan Bühr, Fredrik Tufvesson, Juan Luis Aparicio Ojea
APPLICATION EXAMPLES OF THE NETWORK FIXED POINT THEORY FOR SPACE-AIR-GROUND INTEGRATED COMMUNICATION NETWORK ........................................................... 989
Liu Hui, Zhang Jun, Cheng LL
ADVANCED VEHICULAR SENSOR SYSTEM HYBRID POWER LINE AND WIRELESS VEHICLE SECURITY SYSTEM ........................................................... 994
Javad Yazdani, Trevor Holden, Jonathan Francis
MEASUREMENT OF OPTICAL POWER IN THE UPSTREAM OF PON SIGNAL FROM A SINGLE ONU AT THE SIDE OF THE CENTRAL OFFICE BY OPTICAL POWER METER ........................................................... 998
Edvin Skaljo, Aljo Mujacic
TESTBED DESIGN AND IMPLEMENTATION OF HDMI BASED 3D BROADCAST CWDM ACCESS NETWORK ........................................................... 1003
Jun-Ichi Mizusawa
WAVELENGTH-TUNABLE ER3+-DOPED FS MODE-LOCKED FIBER LASER USING FUNDAMENTAL MODE CUTOFF FILTERS ........................................................... 1009
Nan-Kuang Chen, Kuei-Chu Hsu, Jim-Wei Lin, Shien-Kuei Liaw, Feng-Zhou Liu, Yi-Ning Chen, Jui-Ming Hsu, Alina Manshina, Y. Tver'Yanovic
GPON IN TELECOMMUNICATION NETWORK ........................................................... 1012
Faruk Selmanovic, Edvin Skaljo