Editors: N. Mastorakis, V. Mladenov, Z. Bojkovic

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Table of Contents

Plenary Lecture 1: Service Quality Management of Multipath Access Solutions Dedicated for Transport Telematics Solutions 9
Tomas Zelinka

Improving Performance of Client-Proxy-Server Service Model on Mobile Ad Hoc Networks through Prediction of Mobility Broken Link 11
G. E. Rizos, D. C. Vasiliadis, E. Stergiou, E. Glavas, S. V. Margariti

Performance Study of a Regulated Switch System for Double Priority Traffic 18
E. Stergiou, D. C. Vasiliadis, G. E. Rizos, S. V. Margariti

Courteous Algorithm: Performance Optimization in WiMAX Networks 23
Michel Kadoch, Chafika Tata

An Efficient Reputation-Based Mechanism to Enforce Cooperation in MANETs 33
Zahra Safaei, Masoud Sabaei, Fatemeh Torgheh

Evaluation of EM Absorption in Muscle Cube with Metamaterial Attachment 39
Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam, Norbahiah Misran

Designing Modularity Architecture for Multithread Programming 43
Paniti Netinant

Estimation of Optical Link Length for Multi Haul Applications 48
M. V. Raghavendra, P. L. H. Vara Prasad

An Empirical Study of Distributed Database on PC Cluster Computers using MySQL Cluster 53
Sorapak Pukdesree, Vitalwonhyo Lacharoj, Parinya Sirisang

Service Quality Management in Multipath Access Solutions Dedicated for Transport Telematics Solutions 57
Tomas Zelinka, Miroslav Svitek, Tomas Starek, Zdenek Lokaj

Wideband Dual Segment Rectangular Dielectric Resonator Antenna Terminate in Bio-Media 64
Ravi Kumar Gangwar, S. P. Singh, D. Kumar

Enhanced Distributed Coordination Function to IEEE 802.11 AdHoc Networks 69
Tiago T. da Silva, Claudia J. B. Abbas

Business and Information Technology Alignment through Business Service Orientation 74
Aida Amini Motlagh, Mir Ali Seyyedi

Solar Powered Soil Moisture Detector 79
M. H. Ariff, M. Z. Ibrahim

An Overview of Text-To-Speech Synthesis Techniques 84
M. Z. Rashad, Hazem M. El-Bakry, Islam R. Isma'il, Nikos Mastorakis

Shape-Based Simplification for 3D Animation Models using Shape Operator Sequences 90
Juin-Ling Tseng

The Safe Access Control into Complex Information Systems 96
Michal Jerabek, Miroslav Svitek

Application of Model of Distribution Mixture for Departure of Vehicles from a Light Controlled Intersection 101
Jan Krcal, Ivan Nagy

RF Macro-Cell Prediction Using Fuzzy Logic: Case Study in Bangkok City–Thailand 105
Supachai Phaiboon

Evolutionary Agents Parallel Evolution Enhanced by System Sensitivity Theory 110
Jan Zelenka

Artillery Fire Support Control System Capabilities Character 113
Bohuslav Prikryl, Josef Vondrak, Michal Sobarna

A Model of Pedagogical Collaboration: eTwinning in Romania 124
Aurora-Nicoleta Popescu, Gabriela Popa, Carmen Diaconescu, Irina Ionescu

DSSS Based CDMA Modem Using FPGA & Microcontroller 128
Amit Tripathi, M. S. Korde

Vertical Handoff between UMTS and WLAN 131
Abderrahmane Benmimoune, Michel Kadoch

Network Risk Management 141
Jamil Asim, Umer Shafique

Attitude Towards m-Learning Usage in SEEU 146
Majlinda Fetaji, Bekim Fetaji, Derya Birant

Performance Study of a Wireless Dynamic Topology over High Mobility Conditions 150
D. C. Vasiliadis, G. E. Rizos, E. Stergiou, S. V. Margariti

Using Self-Organized Living Structures Principles in the Design of Complex Adaptive Systems 155
Radu Dobrescu, Matei Dobrescu, Dan Popescu

OFDM Model for Power Line Communication 161
P. Mlynek, M. Koutny, J. Misurec

Integration of WSN-based Platform in a Homecare Monitoring System 165
R. Dobrescu, D. Popescu, M. Dobrescu, M. Nicolae

Authors Index 171

Plenary Lecture 1

Service Quality Management of Multipath Access Solutions Dedicated for Transport Telematics Solutions

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Abstract: Seamless wireless telecommunications data access solutions applied in Intelligent Transportation Systems are required to be provided on selectable level of well defined service quality. Even though selection of private solutions can guarantee reasonable service quality levels, such solutions usually can cover the only limited areas. Publically available mobile wireless data services can typically offer acceptable service coverage, as well as competitive pricing, however, public providers' portfolios mostly do not include services with guarantee of any data services quality level. Authors describe mobile solution reaching reasonable quality level which is based on the dynamical seamless selection of the best possible service from the set of just accessible wireless alternatives .In contrary to publically already presented ISO TC204, WG16.1 standards based on L2 switching and Policy-based Management (PBM) authors propose alternative approach where "intelligent" routing on L3 is applied. Routing process must be consistently managed by the adaptive classifications and decision algorithms.

Authors Index

Abbas, C. J. B. 69
Ariff, M. H. 79
Asim, J. 141
Benmimoune, A. 131
Birant, D. 146
Da Silva, T. T. 69
Diaconescu, C. 124
Dobrescu, M. 155, 165
Dobrescu, R. 155, 165
El-Bakry, H. M. 84
Faruque, M. R. I. 39
Fetaji, B. 146
Fetaji, M. 146
Gangwar, R. K. 64
Glavas, E. 11
Ibrahim, M. Z. 79
Ionescu, I. 124
Islam, M. T. 39
Isma'il, I. R. 84
Jerabek, M. 96
Kadoch, M. 23, 131
Korde, M. S. 128
Koutny, M. 161
Krcal, J. 101
Kumar, D. 64
Lacharoj, V. 53
Lokaj, Z. 57
Margariti, S. V. 11, 18, 150
Mastorakis, N. 84
Misran, N. 39
Misurec, J. 161
Mlynek, P. 161
Motlagh, A. A. 74
Nagy, I. 101
Netinant, P. 43
Nicolae, M. 165
Phaiboon, S. 105
Popa, G. 124
Popescu, A.-N. 124
Popescu, D. 155, 165
Prasad, P. L. H. V. 48
Prikryl, B. 113
Pukdesree, S. 53
Raghavendra, M. V. 48
Rashad, M. Z. 84
Rizos, G. E. 11, 18, 150
Sabaei, M. 33
Safaei, Z. 33
Seyyedi, M. A. 74
Shafique, U. 141
Singh, S. P. 64
Sirisang, P. 53
Sobarna, M. 113
Starek, S. 57
Stergiou, E. 11, 18, 150
Svitek, M. 57, 96
Tata, C. 23
Torgheh, F. 33
Tripathi, A. 128
Tseng, J.-L. 90
Vasiliadis, D. C. 11, 18, 150
Vondrak, J. 113
Zelenka, J. 110
Zelinka, S. 57