



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



**Latest Trends on Communications and Information Technology**

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**4<sup>th</sup> International Conference on Communications  
and Information Technology (CIT '10)**

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## Table of Contents

<b>Plenary Lecture 1: Service Quality Management of Multipath Access Solutions Dedicated for Transport Telematics Solutions</b> <i>Tomas Zelinka</i>	9
<b>Improving Performance of Client-Proxy-Server Service Model on Mobile Ad Hoc Networks through Prediction of Mobility Broken Link</b> <i>G. E. Rizos, D. C. Vasiliadis, E. Stergiou, E. Glavas, S. V. Margariti</i>	11
<b>Performance Study of a Regulated Switch System for Double Priority Traffic</b> <i>E. Stergiou, D. C. Vasiliadis, G. E. Rizos, S. V. Margariti</i>	18
<b>Courteous Algorithm: Performance Optimization in WiMAX Networks</b> <i>Michel Kadoch, Chafika Tata</i>	23
<b>An Efficient Reputation-Based Mechanism to Enforce Cooperation in MANETs</b> <i>Zahra Safaei, Masoud Sabaei, Fatemeh Torgheh</i>	33
<b>Evaluation of EM Absorption in Muscle Cube with Metamaterial Attachment</b> <i>Mohammad Rashed Iqbal Faruque, Mohammad Tariqul Islam, Norbahiah Misran</i>	39
<b>Designing Modularity Architecture for Multithread Programming</b> <i>Paniti Netinant</i>	43
<b>Estimation of Optical Link Length for Multi Haul Applications</b> <i>M. V. Raghavendra, P. L. H. Vara Prasad</i>	48
<b>An Empirical Study of Distributed Database on PC Cluster Computers using MySQL Cluster</b> <i>Sorapak Pukdesree, Vitalwonhyo Lacharaj, Parinya Sirisang</i>	53
<b>Service Quality Management in Multipath Access Solutions Dedicated for Transport Telematics Solutions</b> <i>Tomas Zelinka, Miroslav Svitek, Tomas Starek, Zdenek Lokaj</i>	57
<b>Wideband Dual Segment Rectangular Dielectric Resonator Antenna Terminate in Bio-Media</b> <i>Ravi Kumar Gangwar, S. P. Singh, D. Kumar</i>	64
<b>Enhanced Distributed Coordination Function to IEEE 802.11 AdHoc Networks</b> <i>Tiago T. da Silva, Claudia J. B. Abbas</i>	69
<b>Business and Information Technology Alignment through Business Service Orientation</b> <i>Aida Amini Motlagh, Mir Ali Seyyedi</i>	74
<b>Solar Powered Soil Moisture Detector</b> <i>M. H. Ariff, M. Z. Ibrahim</i>	79
<b>An Overview of Text-To-Speech Synthesis Techniques</b> <i>M. Z. Rashad, Hazem M. El-Bakry, Islam R. Isma'il, Nikos Mastorakis</i>	84

<b>Shape-Based Simplification for 3D Animation Models using Shape Operator Sequences</b> <i>Juin-Ling Tseng</i>	90
<b>The Safe Access Control into Complex Information Systems</b> <i>Michal Jerabek, Miroslav Svitek</i>	96
<b>Application of Model of Distribution Mixture for Departure of Vehicles from a Light Controlled Intersection</b> <i>Jan Krcaľ, Ivan Nagy</i>	101
<b>RF Macro-Cell Prediction Using Fuzzy Logic: Case Study in Bangkok City–Thailand</b> <i>Supachai Phaiboon</i>	105
<b>Evolutionary Agents Parallel Evolution Enhanced by System Sensitivity Theory</b> <i>Jan Zelenka</i>	110
<b>Artillery Fire Support Control System Capabilities Character</b> <i>Bohuslav Prikryl, Josef Vondrak, Michal Sobarna</i>	113
<b>TCP-LP: Low-Priority Service via End-point Congestion Control</b> <i>P. Swarnalatha, B. K. Tripathy</i>	117
<b>A Model of Pedagogical Collaboration: eTwinning in Romania</b> <i>Aurora-Nicoleta Popescu, Gabriela Popa, Carmen Diaconescu, Irina Ionescu</i>	124
<b>DSSS Based CDMA Modem Using FPGA &amp; Microcontroller</b> <i>Amit Tripathi, M. S. Korde</i>	128
<b>Vertical Handoff between UMTS and WLAN</b> <i>Abderrahmane Benmimoune, Michel Kadoch</i>	131
<b>Network Risk Management</b> <i>Jamil Asim, Umer Shafique</i>	141
<b>Attitude Towards m-Learning Usage in SEEU</b> <i>Majlinda Fetaji, Bekim Fetaji, Derya Birant</i>	146
<b>Performance Study of a Wireless Dynamic Topology over High Mobility Conditions</b> <i>D. C. Vasiliadis, G. E. Rizos, E. Stergiou, S. V. Margariti</i>	150
<b>Using Self-Organized Living Structures Principles in the Design of Complex Adaptive Systems</b> <i>Radu Dobrescu, Matei Dobrescu, Dan Popescu</i>	155
<b>OFDM Model for Power Line Communication</b> <i>P. Mlynek, M. Koutny, J. Misurec</i>	161
<b>Integration of WSN-based Platform in a Homecare Monitoring System</b> <i>R. Dobrescu, D. Popescu, M. Dobrescu, M. Nicolae</i>	165
<b>Authors Index</b>	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	Koutny, M.	161	Rashad, M. Z.	84
Ariff, M. H.	79	Krcal, J.	101	Rizos, G. E.	11, 18, 150
Asim, J.	141	Kumar, D.	64	Sabaei, M.	33
Benmimoune, A.	131	Lacharaj, V.	53	Safaei, Z.	33
Birant, D.	146	Lokaj, Z.	57	Seyyedi, M. A.	74
Da Silva, T. T.	69	Margariti, S. V.	11, 18, 150	Shafique, U.	141
Diaconescu, C.	124	Mastorakis, N.	84	Singh, S. P.	64
Dobrescu, M.	155, 165	Misran, N.	39	Sirisang, P.	53
Dobrescu, R.	155, 165	Misurec, J.	161	Sobarna, M.	113
El-Bakry, H. M.	84	Mlynek, P.	161	Starek, S.	57
Faruque, M. R. I.	39	Motlagh, A. A.	74	Stergiou, E.	11, 18, 150
Fetaji, B.	146	Nagy, I.	101	Svitek, M.	57, 96
Fetaji, M.	146	Netinant, P.	43	Swarnalatha, P.	117
Gangwar, R. K.	64	Nicolae, M.	165	Tata, C.	23
Glavas, E.	11	Phaiboon, S.	105	Torgheh, F.	33
Ibrahim, M. Z.	79	Popa, G.	124	Tripathi, A.	128
Ionescu, I.	124	Popescu, A.-N.	124	Tripathy, B. K.	117
Islam, M. T.	39	Popescu, D.	155, 165	Tseng, J.-L.	90
Isma'il, I. R.	84	Prasad, P. L. H. V.	48	Vasiliadis, D. C.	11, 18, 150
Jerabek, M.	96	Prikryl, B.	113	Vondrak, J.	113
Kadoch, M.	23, 131	Pukdesree, S.	53	Zelenka, J.	110
Korde, M. S.	128	Raghavendra, M. V.	48	Zelinka, S.	57