

Publication list

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Journal papers:

1. Béla Almási, **Szabolcs Szilágyi**, *Investigating the Throughput Performance of the MPT Multipath Communication Library in IPv4 and IPv6*, International Journal of Advances in Telecommunications, Electrotechnics, Signals and Systems, Vol. 5, No. 1, pp. 53-60, ISSN 1805-5443, DOI: 10.11601/ijates.v5i1.148, 2016.
2. **Szabolcs Szilágyi**, *The Effects of Different Congestion Management Algorithms over VoIP Performance*, International Journal of Advanced Computer Science and Applications, Vol. 6, No. 2, pp. 66-70, ISSN 2156-5570 (Online Version), ISSN 2158-107X (Print), DOI: 10.14569/IJACSA.2015.060210, 2015.
3. Béla Almási, **Szabolcs Szilágyi**, *Multipath FTP and Stream Transmission Analysis using the MPT Software Environment*, International Journal of Advanced Research in Computer and Communication Engineering, Vol. 2, Issue 11, pp. 4267-4272, ISSN 2278 - 1021 (Online Version), ISBN 2319 - 5940 (Print), November, 2013.
4. **Szabolcs Szilágyi**, *Analysis of the Algorithms for Congestion Management in Computer Networks*, Carpathian Journal of Electronic and Computer Engineering, Vol. 6, No. 1, pp. 3-7, ISSN 1844 - 9689, North University of Baia Mare, Faculty of Engineering, Electrical Engineering Department, Baia Mare, 2013.
5. **Szabolcs Szilágyi**, Béla Almási, *A Review of Congestion Management Algorithms on Cisco Routers*, Journal of Computer Science and Control Systems, Vol. 5, No. 1, pp. 103-107, ISSN 1844 - 6043, University of Oradea Publisher, Oradea, 2012.
6. Daniela E. Popescu, Daniel Filipaş, **Szabolcs Szilágyi**, *Some Aspects about a Self-Testing Solution for Implementing the TCP/IP Protocol*, Journal of Computer Science and Control Systems, Vol. 1, No. 1, pp. 82-87, ISSN 1844 - 6043, University of Oradea Publisher, Oradea, 2008.

Conference proceedings:

1. **Szabolcs Szilágyi**, *Multiway Switching Controller Design using FPGA*, Proceedings of the 9th International Conference on Applied Informatics, Vol. 2. pp. 57–63, DOI: 10.14794/ICAI.9.2014.2.57, Eger, Hungary, January 29–February 1, 2014.
2. **Szabolcs Szilágyi**, *The Effects of Different Queuing Techniques over VoIP Performance: A Simulation Approach*, Abstracts & Pre-Proceedings of the 9th International Conference on Applied Mathematics, pp. 99-103, ISBN 978-606-93094-8-3, BiblioPhil Publisher, 25-28 September, 2013, Baia Mare, Romania.
3. Béla Almási, **Szabolcs Szilágyi**, *Throughput Performance Analysis of the Multipath Communication Library MPT*, TSP 2013 - The 36th International Conference on Telecommunications and Signal Processing, pp. 86-90, ISBN 978-1-4799-0402-0, DOI: 10.1109/TSP.2013.6613897, 2-4 July, 2013, Rome, Italy.

Conference talks:

1. *Multiway Switching Controller Design using FPGA*, ICAI 2014 – The 9th International Conference on Applied Informatics, 29 January-1 February, 2014, Eger, Hungary.
2. *The Effects of Different Queuing Techniques over VoIP Performance: A Simulation Approach*, ICAM9 - The 9th International Conference on Applied Mathematics, Technical University of Cluj-Napoca, North University Center at Baia Mare, Faculty of Science, Department of Mathematics and Computer Science, 25-28 September, 2013, Baia Mare, Romania.
3. *A Review of Congestion Management Algorithms on Routers - Forgalmirányítók Torlódáskezelési Algoritmusainak Áttekintése*, amk2012 – BJMT Conference of Applied Mathematics 2012, Széchenyi István University, 21-23 June, 2012, Győr, Hungary.
4. *Some Aspects about the Efficiency of Bit Voters Implementation*, EMES'09 – The 10th International Conference Engineering of Modern Electric Systems, 27-29 May, 2009, Oradea, Romania.