PUBLICATIONS

Prof. John Murphy

Most publications are available off Google Scholar as well.

Full Refereed Journals and International Conferences (152 papers)

2015


2014

1. Brahmi, H. I., Djahel, S., Magoni, D., and Murphy, J. (2014) Messages Prioritization in IEEE 802.15.4 based WSNs for Roadside Infrastructure, International Conference on Connected Vehicles & Expo 1106-1113 (8 pages)


4. Zemouri, S., Djahel, S. and Murphy, J. (2014) Smart adaptation of beacons transmission rate and power for enhanced vehicular awareness in VANETs, Intelligent Transportation Systems (ITSC), 2014 IEEE 17th International Conference on 739-746 (8 pages)


12. Thiery, A., Cerqueus, T., Thorpe, C., Sunye, G. and Murphy, J. (2014) A DSL for deployment and testing in the Cloud, Software Testing, Verification and Validation Workshops (ICSTW), 2014 IEEE Seventh International Conference on 376-382 (7 pages)

2013


3. Saber, T., Ventresque, A. and Murphy, J. (2014) ROTHAr: real-time online traffic assignment with load estimation, IEEE/ACM 17th International Symposium on Distributed Simulation and Real Time Applications (8 pages)


2. Wang, M., Holub, V., Parsons, T., Murphy, J. and O'Sullivan, P. (2012) Symptom Matching for Event Streams, IET Software SEN-2011-0091 6 (4) 296@306 (11 pages)


2011


5. Fallon, E., Murphy, L., Murphy, J. and Ma, C. (2011) TRAWL - A Traffic Route Adapted Weighted Learning Algorithm, IFIP, WWIC, 9th International Conference on Wired/Wireless Internet Communications (2011), LNCS, 1-14 (14 pages)

2010


2009


2. Genc, V., Murphy, S., Murphy, J. and Nafaa, A. (2009) *System-Level Performance Evaluation of Multi-cell Transparent Mode Relay 802.16j Systems*, IEEE Globecom 2009, 1-7 (7 pages)


6. Genc, V., Murphy, S. and Murphy, J. (2009) *Analysis of Transparent Mode IEEE 802.16j System Performance with varying Numbers of Relays and Associated Transmit Power*, IEEE Wireless Communications and Networking Conference (WCNC) 2009, 2062-2067 (6 pages)

7. Nowak, D., Murphy, J. and Perry, P. (2009) *Bandwidth Allocation in DiffServ Enabled Ethernet Passive Optical Networks*, IET Communications, 3 (3) 391-401 (11 pages)

2008


7. Fallon, E., Murphy, L. and Murphy, J. (2008) *An Analysis of the Performance of an MIH Based Switch Strategy for Heterogeneous Network Mobility*, IEEE 17th IST Mobile and Wireless Communications Summit, (8 pages)


2007


2. Carrig, B., Denieffe, D. and Murphy, J. (2007) *A Non-Elevated Scheduling Solution for First Person Shooter Games in IEEE 802.11 Networks*, IEEE Globecom 2007, 5277-5282 (6 pages)


Wireless Networks, IEEE 16th International Packet Video Workshop, 26-35 (10 pages)


6. Carrig, B., Denieffe, D. and Murphy, J. (2007) Supporting First Person Shooter Games in Wireless Local Area Networks, IEEE 18th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 07), 1-6 (6 pages)


2006


2. Noonan, J., Perry, P. and Murphy, J. (2006) End-point Synchronisation and Handover For Multi-homed Services, IEE Proceedings - Communications, 153 (5) 691-696 (6 pages)


4. Fitzpatrick, J., Murphy, S. and Murphy, J. (2006) RTS/CTS Based Endpoint Admission Control for VoIP Over 802.11e, Autonomic Management of Mobile Multimedia Services, LNCS 4267 223-234 (12 pages)


2005


5. Ormond, O., Perry, P. and Murphy, J. (2005) *Network Selection Decision in Wireless Heterogeneous Networks*, IEEE 16th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC 05), 4 2680-2684 (5 pages)


2004


8. Nowak, D., Perry, P. and Murphy, J. (2004) **A novel Service Level Agreement based algorithm for Differentiated Services enabled Ethernet PONs**, 9th Optoelectronics and Communications Conference (OECC) and 3rd International Conference on Optical Internet (COIN), 1 598-599 (2 pages)


12. Noonan, J., Kelly, A., Perry, P., Murphy, S. and Murphy, J. (2004) **Simulation of Multimedia Traffic Over SCTP Modified for Delay-Centric Handover**, 5th World Wireless Congress (B3G),S14.03 491-495 (5 pages)


on Remote Analysis and Measurement of Software Systems (RAMSS 04),
26th International Conference on Software Engineering (ICSE 2004), 29-34 (6 pages)


2003 and previous


17. Nowicki, E. and Murphy, J. (2001) Resource allocation for interactive traffic class over GPRS network, IEE 17th UK Teletraffic Symposium, 31/1-31/7 (7 pages)

18. Hava-Muntean, C., McManis, J., Murphy, J. and Murphy, L. (2001) A Client-Oriented Dynamic Web Server, IEE 17th UK Teletraffic Symposium, 14/1-14/6 (6 pages)

19. Upchurch, E. and Murphy, J. (2000) Why Worry about Performance in e-commerce Solutions, IEE 16th UK Teletraffic Symposium, 30/1-30/6 (6 pages)

20. Murphy, J. (2000) Assuring Performance in ecommerce Systems, IEE 16th UK Teletraffic Symposium, 29/1-29/7 (7 pages)


33. Murphy, L. and Murphy, J. (1994) Bandwidth Allocation By Pricing In ATM Networks, IFIP Transactions C: Communication Systems, C-24, 333-351 (19 pages)

34. Murphy, J. and Teehan, J. (1994) Video Source Models for ATM Networks, IEE 11th UK Teletraffic Symposium, Performance Engineering in Telecommunications Networks, 18/1-18/9 (9 pages)


36. Murphy, J. and Curran, T. (1993) Optimising Embedded ATM Networks, IEE 10th UK Teletraffic Symposium, 16/1-16/7 (7 pages)

Therapy, Innovation and Technology in Biology and Medicine, 13 (6) 350-360 (11 pages)

Other Publications (62 Papers)

2. Brahma, H. I., Djahel, S., Magoni, D., and Murphy, J. (2014) An efficient partial data aggregation scheme in WSNs, Wireless Days (WD), 2014 IFIP (0 pages)
4. Ngoc-Nha, V. T., McDonagh, P., and Murphy, J. (2013) Gathering transportation data by acoustic monitoring: a case study, IT&T 2013 (8 pages)


15. Fallon, E., Murphy, J., Murphy, L., Qiao, Y., Xie, X. and Hanley, A. (2007) Towards a Media Independent Handover Based Approach to Heterogeneous Network Mobility, Irish Signals and Systems Conference, ISSC, (6 pages)


24. Ufimtsev, A., Parsons, T., Patcas, L.M., Murphy, J. and Murphy, L. (2006) Introducing Performance Engineering by means of Tools and
Practical Exercises, ACM CASCON Dublin Symposium, in association with CASCON 2006, 16th Annual International Conference on Computer Science and Software Engineering, (6 pages)


44. Mania, M., Murphy, J. and McManis, J. (2002) Developing performance models from non-intrusive monitoring traces, IT&T 2002: Information Technology and Telecommunications, 18-26 (9 pages)


47. Graja, H., Todinca, D., Murphy, J. and Perry, P. (2002) m-Commerce Performance Simulations, the 2002 Performance Engineering Conference, (presentation)


58. Murphy, J. and Chow, E. (1997) Distributed Functionality Centralised Automated Management (DIFCAM) of the DSN, JPL Internal Research Report, 33 pages, (33 pages)


60. Murphy, J. (1994) Identification Tasking and Networking (ITN) Model For The FBIs Integrated Automated Fingerprint Identification System (IAFIS), JPL Internal Research Report, 10 pages and appendix, (10 pages)
