

Dr Glenford Mapp publications list

2019

Journal Papers

[131] Kirsal Y, Mapp G and Sardis F: ***Using Advanced Handover and Localization Techniques for Maintaining Quality-of-Service of Mobile Users in Heterogeneous Cloud-Based Environment***: Published in Journal of Network and Systems Management, Springer US: DOI: <https://doi.org/10.1007/s10922-019-09494>

[130] Paranthaman V.V, Kirsal Y, Mapp G, Shah P and Nguyen H: ***Exploiting Resource Contention in Highly Mobile Environments and its Application to Vehicular Networks***: Published in IEEE Transactions on Vehicular Technology, February 2019. DOI: [10.1109/TVT.2019.2902245](https://doi.org/10.1109/TVT.2019.2902245)

Conference Papers

[129] Mapp G, George C, Mitchell I, Hara S, Vithanwattana N, Jusob F and Samuels A: ***Securing eHealth and mHealth: moving from frameworks to prototypes***: Presented at the Health IT Workshop, Middlesex University, London, 7th-8th November 2019.

[128] Karthick G, Mapp G, Kammueler F and Aiash M: ***Exploring Secure Service Migration in Commercial Cloud Environments***: Presented at the 26th Workshop on Automated Reasoning (ARW 2019), Middlesex University, London, 2nd-3rd September 2019.

[127] Vatsal M, Gandhi V and Mapp G. E: ***Developing traffic prediction and congestion algorithms for a C-ITS network***: Presented at the 2nd Mobile, Wearable and Ubiquitous Systems Research Symposium, Dept of Computer Science, University of Oxford, UK, 1st July 2019.

[126] Thiruvasakan L, Vien Q-T, Loo J and Mapp G. E: ***A QoS-based Flow Assignment for Traffic Engineering in Software-Defined Networks***: Presented at 33rd International Conference on Advanced Information Networking and Applications (AINA-2019), Matsue Japan, March 27th-29th 2019

2018

Journal Papers

[125] Kirsal Y, Paranthaman V V and Mapp G: ***Exploring Analytical Models to Maintain Quality-of-Service for Resource Management Using a Proactive Approach in Highly Mobile Environments***: International Journal of Computers, Communications and Control, vol. 13, no. 5, October 2018.

[124] Ezenwigbo O A, Kirsal Y N, Paranthaman V V, Mapp G and Trestian R: ***Exploring a New Framework to Build Mobile QoS-Aware Applications and Services for Future Internet***: Journal of Communications, vol 13, no. 10, pp 559-573, 2018, Doi: [10.12720/jcm.13.10.559-573](https://doi.org/10.12720/jcm.13.10.559-573).

[Talk]

[123] Mapp G: ***Understanding user contention and its effects on resource allocation in heterogeneous networks***: Presented at the 17th Mathematics of Networks (MoN17), University of Sheffield, 20 September 2018.

Conference Papers

[122] Karthick G, Mapp G, Kammüller F and Aiash M: ***Formalization and Analysis of a Resource Allocation Security Protocol for Secure Service Migration***: Presented at the Third International Workshop on Trust in Cloud Computing collated with 11th IEEE/ACM International Conference on Utility and Cloud Computing, December 17th – 20th, Zurich, Switzerland

[121] Ezenwigbo O A, Paranthakman V V, Mapp G and Trestian R: ***Exploring Intelligent Service Migration in Vehicular Networks***: Presented at the 13th EAI International Conference on Testbeds and Research Infrastructures for the Development of Networks and Communities (TRIDENTCOM 2018), Shanghai, People's Republic of China, December 1st-3rd 2018

[120] Ezenwigbo A, Paranthaman V V, Trestian R, Mapp G and Sardis F: ***Exploring a New Transport Protocol for Vehicular Networks***: Presented at the First International Workshop on Intelligent Transportation and Connected Vehicles Testbeds (ITCVT 2018), Valencia, Spain, October 15th – 18th 2018

[119] Yonal K, Paranthaman V V and Mapp G: ***Exploring Analytical Models to Maintain Quality-of-Service for Resource Management Using a Proactive Approach in Highly Mobile Environments***: Presented at the 7th International Conference on Computers Communication and Control, Oradea, Romania, May 8th-12th, 2018 where it won a **Best Paper Award**.

2017

Book Chapter

[118] Paranthaman V, Ghosh A, Mapp G.E, Iniovosa V, Shah P, Nguyen H, Gemikonakli O and Rahman S: ***Building a Prototype VANET Testbed to Explore Communication Dynamics in Highly Mobile Environments***: Published in Testbeds and Research Infrastructures for the Development of Networks and Communities pp. 81-90, January 2017: DOI: 10.1007/978-3-319-49580-4_8
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Journal Papers

[117] Rantisi, M.A.A, Mapp G and Gemikonakli O: ***A Smart Sensor Grid to Enhance Irrigation Techniques in Jordan Using a Novel Event-Based Routing Protocol***: Published in MDPI *Multimodal Technologies Interact.* **2017**, 1, 9:
doi:[10.3390/mti1020009](https://doi.org/10.3390/mti1020009)

[116] Vithanwattana N, Mapp G, George C: ***Developing a comprehensive information security framework for mHealth: a detailed analysis***: Journal of Reliable Intelligent Environments, 2017

[115] Ondiege B, Clarke, M and Mapp G.E.: ***Exploring a New Security Framework for Remote Patient Monitoring Devices***: MDPI Computers Journal: February 2017: doi:10.3390/computers6010011 (registering DOI)

[114] Karim I, Vien Q Le T.A and Mapp G: ***A Comparative Experimental Design and Performance Analysis of Snort-Based Intrusion Detection System in Practical Computer Networks***: MDPI Computers Journal: February 2017: doi:[10.3390/computers6010006](https://doi.org/10.3390/computers6010006)

Report

[113] Hanson G, Phull S, Mapp G, Ghosh A and Paranthaman V.V: ***Building a Connected Vehicle Testbed to study the development and deployment of C-ITS in the UK***: UK-ITS Review, July 2017

Conference Papers

[112] Paranthaman V.V, Kirsal Y, Mapp G, Shah P and Nguyen H: ***Exploring a New Proactive Algorithm for Resource Management and Its Application to Wireless Mobile Environments***: 42th IEEE Conference on Local Computer Networks (LCN) October 9-12 2017, Singapore

[111] Trestian R, Vien Q Le T.A, Shah P and Mapp G: ***UEFA-M: Utility-based Energy Efficient Adaptive Multimedia Mechanism over LTE HetNet Small Cells***: 14th International Symposium on Wireless Communication Systems, 28-31 Aug 2017, Bologna, Italy.

[110] Rantisi, M.A.A, Mapp G and Gemikonakli O: ***A WSN Testbed to Enhance Irrigation Techniques Using a Novel Event-Based Routing Protocol***: 13th International Conference on Wireless and Mobile Communications (ICWMC), July 23rd – 27th 2017, Nice, France

[109] Karthick G, Mapp G, Kammueler F and Aiash M: ***Exploring a Security Protocol for Secure Service Migration in Commercial Cloud Environments***: 2nd International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), Churchill College, University of Cambridge, United Kingdom, 22-23 March 2017.

2016

Book Chapter

[108] Mapp G, Ghosh A, Paranthaman V, Iniovosa V and Loo J: ***Exploring Seamless Connectivity and Proactive Handover Techniques in VANET System***: Published in Dependable Vehicular Communications for Road Safety, Springer, Jan 2016.

Journal Paper

[107] Gemikonakli E, Ever E, Mapp G and Gemikonakli O: ***Admission control and buffer management of wireless communication systems with mobile stations and integrated voice and data services***: Telecommunications Systems,

December 2016

DOI: doi:10.1007/s11235-016-0259-y: Springer

Conference Papers

[106] Jusob F.R, George C and Mapp G: ***Enforcing Trust as a Means to Improve Adoption of Connected Wearable Technologies***: 12th International Conference on Intelligent Environments, September 2016, London UK

[105] Vithanwattana N, Mapp G and George C: ***mHealth – Investigating an Information Security Framework for mHealth Data: Challenges and Possible Solutions***: 12th International Conference on Intelligent Environments, September 2016, London UK

[104] Ondiege B, Clarke, M and Mapp G.E.: ***Exploring Security of Remote Patient Monitoring Devices Using NFC Technology for Identification of the Frail Elderly***: 8th International Conference e-Health, Funchal, Portugal, 1–3 July 2016.

[103] Mapp G, Sardis G and Crowcroft J.: ***Developing an Implementation Framework for the Future Internet using Software Defined Networking and the Y-Comm Architecture***: 2nd International Conference on Network Softwarization, IEEE NetSoft 2016, June 6th – 10th 2016, Seoul, South Korea.

[102] Porto Vanni R, Mapp G and Moreira A.: ***Ontology Driven Reputation Model for VANET***: 12th Advanced Conference on Telecommunications, AICT 2016, May 22nd – 26th 2016, Valencia, Spain.

2015

Journal Papers

[101] Ghosh A, Paranthaman V, Mapp G, Gemikonakli O and Loo J: ***Enabling Seamless V2I Communications: Towards Developing Cooperative Automotive Applications in VANET Systems***: IEEE Communications Magazine, Special Issue on Towards Autonomous Driving: Advances in V2X Connectivity. December 2015.

[100] Kirsal Y, Enver E, Kocyigit A, Gemikonakli O and Mapp G: ***Modelling and Analysis of Vertical Handover in highly mobile environments***: The Journal of Supercomputing. October 2015. Springer.

[99] Sardis F, Mapp G, Loo J, Aiash M and Vinel A: ***Investigating a Mobility-Aware Qos Model for Multimedia Streaming Rate Adaptation***. Journal of Electrical and Computer Engineering: Hindawi Publishing Cooperation, July 2015.

Conference Papers

[98] Paranthaman V V, Mapp G, Shah P, Nguyen H and Ghosh A. ***Exploring Markov Models for the Allocation of Resources for Proactive Handover in a Mobile Environment***: 11th International Workshop on Performance and

Management of Wireless and Mobile Networks; part of LCN 2015.

[97] Trestian R, Vien Q, Shah P, Mapp G: ***Exploring Energy Consumption Issues for Multimedia Streaming in LTE HetNet Small Cells***: 40th IEEE conference on Local Computer Networks (LCN) 2015.

[96] Aiash F, Mapp G and Kallash M M: ***Supporting Communication in Information Centric Networks using Location/ID Split Protocol and Time Released Caching***: International Conference on Cloud Computing, ICC3 2015, April 2015.

2014

Book Chapter:

[95] Sardis F, Mapp G and Loo J: ***Cloud-Based Mobile Media Environments with Service Populating and QoS-Aware Mechanisms***: Published in Mobile Networks and Cloud Computing Convergence for Progressive Service and Applications:- A volume in the Advances in Wireless Technologies and Telecommunication (AWTT) Book Services; Publisher IGI Global, 2014; ISBN 978-1-4666-4781-7 (hardcover) -- ISBN 978-1-4666-4782-4 (ebook) -- ISBN 978-1-4666-4783-1

Journal Papers

[94] Ghosh A, Vardhan V, Mapp G and Gemikonakli O: ***Exploring Efficient Seamless Handover in VANET systems using Network Dwell Time***: EURASIP Journal on Wireless Communications and Networking published December 2014, ISSN 1687-1472

[93] Kirsal Y, Ever E, Kocyigit A, Gemikonakli O and Mapp G: ***A Generic Analytical Approach for Performance Evaluation of the Handover Schemes in Heterogeneous Environments***: Journal of Wireless Personal Communications: Springer online: Published July 2014, DOI: 10.1007/s11277-014-1929-2.

Conference Papers

[92] Sardis F, Mapp G, Loo J and Aiash M: ***Dynamic Traffic Management for Interactive Cloud Services: 7th IEEE/ACM International Conference on Utility and Cloud Computing***: (UCC 2014) London, UK, December 8th - 11th 2014.

[91] Rantisi M, Mapp G and Gemikonakli, O: ***Simulation of an Event-Driven Wireless Sensor Network Protocol for Environmental Monitoring***: 4th International Conference on Innovative Computing Technology (INTECH 2014), University of Bedfordshire, Luton, August 13th – 15th 2014.

[90] Ghosh A, Vardhan V, Mapp G, Gemikonakli O: ***Providing Ubiquitous Communication using Handover Techniques in VANET Systems***: 13th IEEE IFIP Annual Mediterranean Ad Hoc Networking Workshop, Piran, Slovenia, June 2nd – 4th 2014.

[89] Aiash M, Mapp G.E., A. Lasebae and Loo J.: ***A Secure Framework for Communications in Heterogeneous Networks***: 8th International Symposium on

Security and Multimodality in Pervasive Environment (SMPE), AINA 2014, Victoria, Canada, May 13th – 16th 2014.

[88] Aiash M, Mapp G.E. and Gemikonakli O: ***Secure Live Migration: Issues and Solutions***: 1st International Conference in Device Centric Cloud (DC2), AINA 2014, Victoria, Canada, May 13th – 16th 2014.

[87] Sardis F, Mapp G, Loo J and Aiash M.: ***Dynamic Edge-Caching for Mobile Users***: 1st International Conference in Device Centric Cloud (DC2), AINA 2014, Victoria, Canada, May 13th – 16th 2014.

[86] Mapp G, Aiash M, Ondiege B and Clarke, M.: ***Exploring a New Security Framework for Cloud Storage Using Capabilities***: 1st International Workshop on Cyber Security and Cloud Computing, Oxford UK, April 7th – 11th 2014.

2013

Journal Papers

[85] Kodagoda N, Attfield S, Choudhury S T, Rooney C, Mapp G, Nguyen P, Slabbert L, Wong W B L, Aiash M, Zheng Y, Kai X and Lasebae A: ***Concern Level Assessment: Building Domain Knowledge into a Visual System to Support Network Security Situation Awareness***: Sage Journals Special Issue on Information Visualization. First published on June 27th 2013, DOI: 10.1177/1473871613490291.

[84] Sardis F, Mapp G E, Loo J, Aiash M and Vinel A: ***On the Investigation of Cloud-based Mobile Media Environments with Service-Populating and QoS-aware Mechanisms***: IEEE Transactions on Multimedia, ISSN: 1520-9210, DOI:10.1109/TMM.2013.2240286, 15 January 2013.

Conference Papers

[83] Ghosh A, Vardhan V, Mapp G, Gemikonakli O, and Loo J.: ***Providing Ubiquitous Communication using Roadside Units in VANETs Systems: Unveiling the Challenges***: 13th International Conference on Intelligent Transportation Systems Telecommunications (ITST 2013), Tampere, Finland, 16th – 18th October 2013.

[82] Augusto M E, Vanni R P, Helio C G, Aiash M, Mapp G and Moreira E: ***MYHand: a Novel Architecture for Improving Handovers in NGNs***: Presented at the Ninth Advanced International Conference on Telecommunications, AICT 2013, June 26th – 28th, 2013 - Rome, Italy.

[81] Gemikonakli E, Mapp G E, Gemikonakli O and Ever E: ***Exploring Service and Buffer Management Issues to Provide Integrated Voice and Data Services in Single and Multi Channel Wireless Networks***: Presented at the 27th IEEE International Conference on Advanced Information Networking and Application (AINA-2013), Barcelona, Spain, 25th – 28th March 2013.

[80] Kirsal Y, Ever E, Mapp G E and Gemikonakli O: ***Enhancing the Modelling of Vertical Handover in Integrated Cellular/WLAN environments***: Presented at the 27th IEEE International Conference on Advanced Information Networking

and Application (AINA-2013), Barcelona, Spain, 25th – 28th March 2013.

[79] Rantisi M, Maqousi A, Mapp G, and Gemikonakli O: ***Simulation of an Event-Driven Wireless Sensor Network Protocol for Environmental Monitoring:*** Presented at the 6th International Conference on Information Technology, Amman Jordan, May 8th-12th2013.

2012

Book Chapter

[78] Aiash M, Mapp G, Lasebae A, Phan R and Loo J: ***Integrating Mobility Quality-of-Service and Security in Future Mobile Networks:*** Published in Electrical Engineering and Intelligent Systems: Lecture Notes in Electrical Engineering, 2013, Volume 130, 195-206, DOI: 10.1007/978-1-4614-2317-1-16, Springer 2012.

Journal Papers

[77] Kammüller F, Mapp G E, Patel S and Sani A S: ***Verification with AVISPA to Engineer Network Security Protocols*** International Journal on Advances in Security, Volume 5, Nos 3&4 2012.

[76] Aiash M, Mapp G and Lasebae A: ***A Survey of Authentication and Key Agreement Protocols in Heterogeneous Networks:*** International Journal of Network Security and Its Applications (IJNSA), Vol. 4, No 4, July 2012.

[75] Mapp G, Katsriku F, Aiash M, Chinnam N, Lopes R, Moreira E, PortoVanni R, Augusto M: ***Exploiting Location and Contextual Information to Develop a Comprehensive Framework for Proactive Handover in Heterogeneous Environments:*** Special Issue on Location-Aware and Context-Enriched systems in the Journal of Computer Networks and Communication (JCNC) July 2012.

[74] Aiash M, Mapp G, Lasebae A, Loo, J and Phan R: ***A Formally Verified AKA Protocol For Vertical Handover in Heterogeneous Environments using Casper/FDR:*** EURASIP Journal on Wireless Communications and Networking. OpenSpringer: Published in April 2012.

Report

[73] O'Farrell T, Mapp G E and Fletcher S: ***Wireless System Research: An Overview: Report*** requested by the Green Radio Commnet Workshop held 19th October 2012.

Conference Papers

[72] Aiash M, Mapp G E, Lasebae A and Al-Nemrat A: ***Supporting LTE Networks in Heterogeneous Environment Using the Y-Comm Framework:*** Presented at the 4th International Conference on Networks & Communications (NETCOM 2012), 22nd – 24th December 2012, Chennai, India.

[71] Choudhury S T, Kodagoda N, Nguyen P, Rooney C, Attfield S, Kai X, Yongjun Z, Wong W, Raymond C, Mapp G E, Slabbert L, Aiash M and Lasebae A: ***M-SIEVE: a visualisation tool for supporting network security analysts:*** In VisWeek

2012, 14-19 October 2012, Seattle, WA, USA.

[70] Aiash M, Mapp G, Phan R, Lasebae A and Loo J: ***A Formally Verified Device Protocol Using Casper/FDR***: 11th IEEE International Conference on Trust, Security and Privacy in Computing and Communications (TrustCom 2012), 25th – 27th June 2012, Liverpool UK.

[69] Kammüller F, Mapp G, Patel S and Sani A. S: ***Engineering Security Protocols with Modelchecking – Radius-SHA256 and Secured Simple Protocol***. Presented at the Internet Monitoring and Protection Conference (ICIMP) 2012.

[68] Aiash M, Mapp G, Lasebae A, Loo J, Sardis F, Phan R, Augusto M, Moreira E, Vanni R: ***A Survey of Potential Architectures for Communication in Heterogeneous Networks***: Wireless Telecommunications Symposium 2012, London UK, April 2012.

[67] Kirsal Y, Ever E, Gemikonakli O and Mapp G: ***Vertical Handover between WLAN and Cellular System***: Presented at the Annual Simulation Symposium in Orlando Florida, March 2012.

2011

Journal Paper:

[66] Aiash M, Mapp G and Lasebae A: Security and QoS Integration for Protecting Service Providers in Heterogeneous Environments: IAENG International Journal of Computer Science, November 2011.

Conference Papers

[65] Kirsal Y, Ever E, Gemikonakli O and Mapp G: ***Modelling and Performability Analysis of WLANs as a Queuing Model with Channel/Access Point Failures and Reconfiguration***: Presented at UKSim 5th European Symposium on Computer Modelling and Simulation (EMS 2011), Madrid, Spain, November 2011.

[64] Sardis F, Mapp G and Loo J.: ***On Demand Service Delivery for Mobile Networks***: Presented at The First International Conference on Mobile Services, Resources and Users (Mobility 2011) 23rd – 29th October 2011, Barcelona, Spain.

[63] Kirsal Y, Ever E, Gemikonakli O, and Mapp G.: ***Critical Review of Analytical Modelling Approaches for Performability Evaluation of Handover Phenomena in Mobile Communication Systems***: Presented at the 2nd International Workshop on Dependable Service-Oriented and Cloud Computing (DSOC 2011), Aug 31st – Sept 2nd, 2011, Paphos, Cyprus.

[62] Shaikh F, Mapp G and Lasebae A.: ***A Survey of Network Coverage Prediction Mechanisms in 4G Heterogeneous Wireless Networks***: Presented at the First Global Conference on Communication, Science and Information Engineering, 25th – 27th July 2011, Middlesex University, London.

[61] Rantisi M, Maqousi A, Mapp G, and Gemikonakli O.: ***The Development of a***

Dynamic and Robust Event-Based Routing Protocol in Wireless Networks for Environmental Monitoring: Presented at the First Global Conference on Communication, Science and Information Engineering, 25th – 27th July 2011, Middlesex University, London.

[60] Gemikonakli E, Mapp G, Gemikonakli O and Ever E.: ***Traffic Modelling in WLANs and Cellular Networks:*** Presented at the First Global Conference on Communication, Science and Information Engineering, 25th – 27th July 2011, Middlesex University, London.

[59] Aiash M, Mapp G, Lasebae A, Phan R, Augusto M, Vanni R. P and Moreira E.: ***Exploring the Concept of Scope to Provide Better Security for Internet Services:*** Presented at the First Global Conference on Communication, Science and Information Engineering, 25th – 27th July 2011, Middlesex University, London.

[58] Aiash M, Mapp G, Lasebae A and Phan R.: ***Enhancing Naming and Location Services to support Multi-homed Devices in Heterogeneous Environments:*** Presented at the First Global Conference on Communication, Science and Information Engineering, 25th – 27th July 2011, Middlesex University, London.

[57] Aiash M, Mapp G, Lasebae A, Augusto M, Vanni R. P and Moreira E.: ***A QoS Framework for Heterogeneous Networking (Best Student Paper Award):*** In the Proceedings of the International Conference on Wireless Networks 2011 (ICWN'11), 6th – 8th July 2011, London.

[56] Gemikonakli E, Gemikonakli O, Ever E and Mapp G.: ***Impacts of Buffering of Voice Calls in Integrated Voice and Data Services.*** In proceedings of UKSIM 2011: 13th International Conference on Computer Modelling and Simulation, 2011, Cambridge University.

[55] Mapp G, Aiash M, Guardia H, Crowcroft J.: ***Exploring Multi-homing Issues in Heterogeneous Environments:*** In Proceedings of the 1st International Workshop on Protocols and Applications with Multi-homing Support, AINA 2011, Biopolis, Singapore 22nd – 25th March 2011.

2010

Book Chapters

[54] Mapp G, Thakker D and Gemikonakli O.: ***Balancing streaming and demand accesses in a network base storage environment.*** Published in Novel Algorithms and Techniques in Telecommunications and Networking; pages 403-408, Springer 2010.

[53] Mapp G. Crowcroft J. and Phan R.: ***Towards an Integrated Network Security Framework Using the Y-Comm Architecture:*** Published in the Handbook of Electronic Security and Digital Forensics, Chapter 10, pages 169-183, World Scientific Publishing Company, Singapore, 2010.

Journal Paper

[52] Mapp G, Thakker D and Gemikonakli O.: ***Exploring Gate-Limited Analytical Models for High Performance Network Storage Servers***: Published in the Journal of Computer and System Sciences (JCSS), PMECT/ICCCN Special Issue, Elsevier Science 2010.

Conference Papers

[51] Kirsal Y, Gemikonakli E, Ever E, Mapp G and Gemikonakli O.: ***An Analytical Approach for Performance Analysis of Handoffs in the Next Generation Integrated Cellular Networks and WLANs***: In Proceedings of the 4th International Workshop on Performance Modelling and Evaluation of Computer and Telecommunication Networks (PMECT 2010) in Zurich, Switzerland 2nd – 5th August 2010.

[50] Mapp G, Aiash M, Lasebae A and Phan R.: ***Security Models for Heterogeneous Networking***: Presented at the International Conference on Security and Cryptography (SECURITY 2010), Athens Greece 26th – 28th July 2010.

[49] Vanni R. M. P, Branco K.R.L.J.C, Moreira E.S and Mapp G.: ***Information for Handover Management in Heterogeneous Networks: data representation, languages and integrated platforms***: Presented at 7th CONTESCI – International Conference on Information and Technology Management, Sao Paulo Brazil, 19th – 21st May 2010.

[48] Aiash M., Mapp G., Lasebae A. and Phan R.: ***Providing Security in 4G Systems: Unveiling the Challenges***. Presented at the Sixth Advanced International Conference on Telecommunications, AICT 2010, May 9th – 15th 2010, Barcelona, Spain.

[47] Mapp G., Thakker D. and Gemikonakli O.: ***Exploring a New Markov Chain Model for Multiqueue Systems***. Presented at UK SIM 2010, Emmanuel College, Cambridge England, March 2010.

2009

Report

[46] Mapp G.: ***Y-COMM: A New Architecture for Mobile Heterogeneous Communications***: Published in European Research Consortium for Informatics and Mathematics (ERCIM) News, Special Edition on Future Internet Technology, EN77, April 2009.

Conference Papers

[45] Mapp G.: ***Exploring Markov Models for Gate-Limited and their application to Network-based services***. Presented at the Eighth Mathematics of Networks Meeting (MoN8), University of Cambridge, 18th September 2009.

[44] Mapp G, Shaikh F, Aiash M, Vanni R, Augusto M. and Moreira E.: ***Exploring Efficient Imperative Handover Mechanisms for Heterogeneous Networks***: In the Proceedings of the International Symposium on Emerging Ubiquitous and Pervasive Systems (EUPS-2009), Indianapolis, USA August 19th – 21st 2009.

[43] Mapp G, Thakker D. and Gemikonakli O.: ***Exploring Gate-Limited Analytical Models for High Network Storage Servers***: In Proceedings of the 3rd International Workshop on Performance Modelling and Evaluation of Computer and Telecommunication Networks (PMECT 2009) in San Francisco, USA from 2nd – 6th August 2009.

[42] Thakker D.N, Mapp G.E. and Gemikonakli O.: ***Clustering and Pre-fetching techniques for Network-based Storage Systems***. In Proceedings of Multi-Service Networks (MSN 2009), Cosener's House 9th -10th July 2009.

[41] Thakker D.N, Mapp G.E. and Gemikonakli O.: ***Modelling mixed access-patterns in Network-based Storage Systems***. At UK SIM 2009, Emmanuel College, Cambridge England, 25th -27th March 2009.

2008

Conference Papers

[40] Thakker D.N. and Mapp G.E.: ***Clustering and Pre-fetching Techniques for Network-based Storage Systems***. In Proceedings of 18th Workshop on Information Technologies and Systems (WITS) held in Paris, France, December 2008.

[39] Thakker D and Mapp G.: ***Clustering and Pre-fetching Techniques for Network-Based Storage Systems***: Presented at the 2nd International Symposium on Advanced Networks and Telecommunication Systems (ANTS) Dec 15th -17th 2008. (POSTER)

[38] Mapp G.E.: A new Architecture for Heterogeneous Networking. In Proceedings of Multi-Service Networks (MSN 2008). Cosener's House, Abingdon 10-11 July 2008.

[37] Shaikh F, Lasebae A. and Mapp G.E.: ***Proactive Policy Management for Heterogeneous Networks***. In Proceedings of the 3rd International Conference on Information and Communication Technologies: From Theory to Applications (ICTTA 2008). April 2008.

2007

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[36] Mapp G.E, Shaikh F, Crowcroft J. Cottingham, D. and Baliosian J.: ***Y-Comm: A Global Architecture for Heterogeneous Networking (Invited Paper)***: 3rd Annual International Wireless Internet Conference (WICON 2007), October 22nd -24th, 2007, Austin, Texas, USA.

[35] Moreira E. D. S, Cottingham D, Crowcroft J, Hui P, Mapp G.E. and Vanni R. M. P.: ***Exploiting Contextual Handover Information for Versatile Services in NGN Environments***: 2nd International Conference on Digital Information Management (IEEE ICDIM), October 2007, Lyon France.

[34] Shaikh F, Mapp G. E and Lasebae A.: ***Proactive Policy Management using TBVH Mechanism in Heterogeneous Networks***: In proceedings of the International Conference and Exhibition on NEXT GENERATION MOBILE APPLICATIONS, SERVICES and TECHNOLOGIES “Building Bridges in the Mobile World”, NGMAST’07, Cardiff, Wales, UK, September 12th – 14th, 2007.

[33] Mapp G. E, Thakker D and Silcott D.: ***The Design of a Storage Architecture for Mobile Heterogeneous Devices***: In proceedings of the 3rd International Conference on Networking Services, ICNS 2007, Athens, Greece, June 19th – 25th 2007.

[32] Gemikonakli O, Mapp G. E, Ever E and Thakker D.: ***Modelling Network Memory Servers with Parallel Processors, Break-downs and Repairs***: In proceedings of the 40th Annual Simulation Symposium, ANSS’07, Norfolk, Virginia, USA, March 26th – 28th 2007.

2006-2001

Journal Papers

[31] Patanapongpibul L, Mapp G.E and Hopper A.: ***An End-System Approach to Mobility Management for 4G Networks and its Application to Thin-Client Computing***: Published in the ACM SIGMobile, Mobile Computing and Communications Review (MC2R), July 2006.

[30] Vidales P, Beliosian J, Serrat J, Mapp G, Stajano F and Hopper A.: ***Autonomic Systems for Mobility Support in 4G Networks***. Journal on Selected Areas in Communications (J-SAC), Special Issue in Autonomic Communications, Volume 13, Number 12, December 2005.

[29] Scott J and Mapp G E.: ***Link Layer-Based TCP Optimisation for Disconnecting Networks***. Computer Communications Review, Vol. 33, No 5, October 2003.

[28] Scott J, Hoffmann F, Adlessee M, Mapp G E and Hopper A.: ***Networked Surfaces: A New Concept in Mobile Networking***. ACM Mobile Networks and Applications, 7(5), October 2002.

[27] Riddoch D, Pope S, Roberts D, Mapp G E, Clarke D, Mansley K and Hopper A.: ***Tripwire: A Synchronization Primitive for Virtual Memory Mapped Communication***. Journal for Interconnection Networks, vol. 2, no. 3, pages 345-364, September 2001.

Conference Papers

[26] Mapp G.E, Cottingham D, Shaikh F, Vidales P, Patanapongpibul L, Beliosian J and Crowcroft J.: ***An Architectural Framework for Heterogeneous Networking***: Presented at the International Conference on Wireless Information Networks, WINSYS 2006, 7th – 10th August 2006, Setubal, Portugal

[25] Shaikh F, Lasebae A and Mapp G.: ***Client-based SBM Layer for Predictive***

Management of Traffic Flows in Heterogeneous Networks: ICTTA'06 2nd IEEE International Conference on Information and Communication Technologies: From Theory to Applications, April 24th – 28th 2006, Umayyad Palace, Damascus, Syria.

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