
PUBLICATIONS - JOURNALS

1. A. Leivadeas, C. Papagianni and S. Papavassiliou, "SAViNE: social network analysis - inspired content delivery network deployment and experimentation", accepted for publication in EURASIP journal on wireless communications and networking (Special Issue on Research methodologies for performance evaluation of wireless network solutions).
 - 2.C. Pittaras, C. Pappagianni, A. Leivadeas, P. Grossi, J. van der Ham, S. Papavassiliou, " Resource Discovery and Allocation for Federated Virtualized Infrastructures", Future Generation Computer Systems (Elsevier), January, 2014.
 - 3.C. Pappagianni, A. Leivadeas and S. Papavassiliou, "A Cloud-oriented Content Delivery Network Paradigm: Modeling and Assessment," IEEE Transactions on Dependable and Secure Computing, Special Issue on Cloud computing Assessment: metrics, algorithms, policies, models, and evaluation techniques, 10, 5 (September 2013), 287-300.
 - 4.C . Papagianni, A. Leivadeas, S. Papavassiliou, V. Maglaris, C. Cervello-Pastor and A. Monje, "On the optimal allocation of virtual resources in cloud computing networks, EE Transactions on Computers, vol. 62, no. 6, pp. 1060-1071, June, 2013 .
 - 5.C. A. Pappas, A.-C. G. Anadiotis, C. A. Papagianni, and I. S. Venieris, "Heuristics for the multi-level capacitated minimum spanning tree problem," Optim Lett, pp. 1–12.Jan 2013.
 - 6.Leivadeas, C. Papagianni and S. Papavassiliou, "Efficient Resource Mapping Framework over Networked Clouds via Iterated Local Search based Request Partitioning," IEEE Transactions on Parallel and Distributed Systems, vol. PP, no. 99, pp. 1–1, 2012.
 - 7.Leivadeas, C. Papagianni and S. Papavassiliou, "Socio-aware Virtual Network Embedding," IEEE Network Magazine, vol. 26, no. 5, pp. 35-43, Sep./Oct 2012.
 - 8.K. A. Papadopoulos, C. A. Papagianni, P. Gkonis, I. S. Venieris and D. I. Kaklamani. "Particle swarm optimization of antenna arrays with efficiency constraints", Progress In Electromagnetics Research M, Vol. 17. 2011, pp. 237-251.
 - 9 C.Papagianni, C., Pappas, C., N. Laykadir, I. S. Venieris, "A Particle Swarm Optimization approach to the Multi Level Capacitated Minimum Spanning Tree problem", Mathematica Balkanica Journal, vol. 23, pp 03-324, 2009.
 10. C.Papagianni, C., Papadopoulos, K. A., Pappas, C., Tselikas, N., Kaklamani, D.I., Venieris, I.S, "Communication network design using particle swarm optimization", Analele Universitatii din Timisoara, vol. XLVII, issue 2, pp. 65-93, 2009.
 11. C. Papagianni, C., Tselikas, N., Kosmatos, E., Papapanagiotou, S., Venieris, I.S., "Performance evaluation study for QoS-aware triple play services over entry-level xDSL connections", Journal of Network and Computer Applications, Vol. 32 (1), pp. 215-225, 2009.
 - 12.Mitilineos S.A., Papagianni C.A., Verikaki, G.I., Capsalis, C.N, "Design of Switched Beam Planar Arrays Using the Method of Genetic Algorithms", Progress in Electromagnetics Research , Vol. 46, pp. 105-126, 2004.
-

PUBLICATIONS - CONFERENCES

- 1.M. Giatili, C. Papagianni, S. Papavassiliou, "Semantic Aware Resource Mapping for Future Internet Experimental Facilities", Accepted for presentation in IEEE CAMAD, Athens 1-3, 2014.
- 2.A. Leivadeas, G. Aristomenopoulos, C. Papagianni, S. Papavassiliou, "RICH MEdia COntent DElivery in wireless environments - RIMECODE", Demonstration in IEEE CAMAD, Athens 1-3, 2014.
- 3.A. Kapoukakis, S. Kafetzoglou, G. Androulidakis, C. Papagianni, S. Papavassiliou, "Reputation-Based Trust in Federated Testbeds Utilizing User Experience", Accepted for presentation in IEEE CAMAD, Athens 1-3, 2014.
- 4.A. Leivadeas, C. Papagianni, , S. Papavassiliou , "Demonstration of a social aware wireless content delivery paradigm", Demonstration , IEEE Infocom 2014, 27/04 -2/05, Toronto, Canada.
- 5.C. Papagianni, G. Androulidakis, S. Papavassiliou, " Virtual Topology Mapping in SDN-enabled Clouds", In: Network Cloud Computing and Applications (NCCA), 2014 IEEE 3rd Symposium on. IEEE, 2014. p. 62-67.
- 6.A. Leivadeas, C. Papagianni, , S. Papavassiliou," Energy- Aware Networked Could Mapping", In Proc. of the IEEE International Symposium of Network Computing and Applications (NCA) 2013, Boston, US. pp.195-202.
- 7.W. Vandenberghe, B. Vermeulen, P. Demeester, A. Willner, S. Papavassiliou, A. Gavras, M. Sioutis, A. Quereilhac, Y. Al-Hazmi, F. Lobillo, F. Schreiner, C. Velayos, A. Vico-Oton, G. Androulidakis, C. Papagianni, O. Ntofon, and M. Boniface: "Architecture for the Heterogeneous Federation of Future Internet Experimentation Facilities", In Proc Future Network and Mobile Summit, 2013, Lisbon, Portugal, pp 1-11.
- 8.S. Papagianni, C.Papagianni, "A Computational Model of Environmental Sustainability for Mixed Traffic", presented at the conference program of World Conference on Transport Research (13th WCTR), 2013, Rio de Janeiro, Brazil, The study will also appear at the Selected Proceedings of the Conference. 13th WCTR.

- 9.S.Vocella, Á. Monje, C. Velayos, F. Farina, C. Papagianni, V. Maglaris and M. Campanella, "Complex federated slices provisioning through SFA The FEDERICA and NOVI joint experience", presented at the TERENA conference 2013. Maastricht, Holland, Available online: <https://tnc2013.terena.org/>
10. A. Gavras, A. Bak, G. Biczók, P. Gajowniczek, A. Gulyás, H. Hrasnica, P. Martinez-Julia, F. Németh, C. Papagianni, S. Papavassiliou, M. Pilarski, A. Skarmeta: "Heterogeneous testbeds, tools and experiments - Measurement requirements perspective" In Proc. of the Euler Workshop on Measurement and Measurement Tools in FIA Aalborg, 2012, Aalborg, Denmark, pp. 139-158.
- 11.A. Leivadeas, C. Papagianni, E. Paraskevas, G. Androulidakis, S. Papavassiliou, "An Architecture for Virtual Network Embedding in Wireless Systems," In Proc. of the 1st Int. Symp. on Network Cloud Computing and Applications (NCCA), 2011, Toulouse, France, pp.62-68.
- 12.J. van der Ham, C. Papagianni, J. Stéger, P. Mátray, Y. Kryftis, P. Grossi and L. Lymberopoulos. "Challenges of an Information Model for Federating Virtualized Infrastructures". In Proc. of the 5th International DMTF Academic Alliance Workshop on Systems and Virtualization Management: Standards and the Cloud, 2011, Paris, France, pp. 1-6.
- 13.Leonidas Lymberopoulos, Paola Grossi, Chrysa A. Papagianni, Dimitrios Kalogerous, Georgios Androulidakis, Jeroen van der Ham, Cees de Laat, Vasilis Maglari, "Managing federations of virtualized infrastructures: A semantic-aware policy based approach", In Proc. Integrated Network Management, 2011, Dublin, Ireland, pp. 1235-1242.
- 14.Lioudakis, G., Papagianni, C., Kaklamani, D., Venieris, I. S., "An Intelligent Traffic Management System for the Eco-Optimization of Urban Traffic", In Proc. of 2010 IEEE Inter. Conf. on Communications, Workshop E2Nets, 2010, Cape Town, South Africa,pp.1-5.
- 15.E. Onur, E. Sfakianakis, C. Papagianni, G. Karagiannis, T. Kontos, I. Niemegeers, I.P. Chochliouros, S. Heemstra de Groot, P. Sjodin, M. Hidell, T. Cinkler, M. Maliosz, D. I. Kaklamani, J. Carapinha, M. Belesioti, E. Fytros, "Intelligent end-to-end resource virtualization using Service Oriented Architecture", In Proc. of the 3rd IEEE Workshop on Enabling the Future Service-Oriented Internet, IEEE GLOBECOM, 2009, Honolulu, US, pp.1-6.
- 16.Papagianni, C.A, Papas, Nefkaditis, N., Venieris, I. S., "Particle Swarm Optimization for the Multi Level Capacitated Minimum Spanning Tree", Proc. of International Multi-conference on Computer Science and Information Technology/ Workshop on Computational Optimization, 2009, Mragowo, Poland, pp.765 - 770.
- 17.Papadopoulos, K. A., Papagianni, C.A, Papas, C., Kaklamani, D.I., Venieris, I.S., "Beam Array Optimization For Smart Antenna Systems Using Stochastic Algorithms", In Proc. of European Conference on Antennas and Propagation, 2009, Berlin, Germany, pp. 1345-1349 .
- 18.C. Papagianni, G. Karagiannis, N. D. Tselikas, E. Sfakianakis, I.P. Chochliouros, D. Kabilafkas, T. Cinkler, L. Westberg, P. Sjodin, M. Hidell, S. Heemstra de Groot, T. Kontos, C.Katsigiannis, C. Pappas, I. S. Venieris, "Supporting End-to-End Resource Virtualization for Web 2.0 Applications using Service-Oriented Architecture," In Proc. of the 2nd IEEE Workshop on Enabling the Future Service-Oriented Internet, IEEE GLOBECOM, 2008, New Orleans, US, pp. 1-7.
- 19.Papagianni, C.A, Papadopoulos, K. A., Papas, C., Tselikas, N. D., Kaklamani, D.I., Venieris, I.S., "Communication network design using particle swarm optimization", In Proc. of International Multi-conference on Computer Science and Information Technology/ Workshop on Computational Optimization, 2008, Wisła, Poland, pp. 915-920.
- 20.Papagianni, C.A, Tselikas, N. D., Kosmatos, E., Papadakis, A., Keutgen, T., Kaklamani, D.I., Venieris, I.S., "A Complete Content Production and Delivery System in a Controlled Multimedia Network", IEEE Symposium on Computers and Communication 2008 / MediaWiN Workshop, 2008, Marrakech, Morocco, pp 44-49.
- 21.Papadopoulos, K. A., Papagianni, C.A, Kaklamani, D. I., Venieris, I.S., "Analysis and comparison of population-based stochastic optimization algorithms in the design of beam antenna arrays", Proceedings of International Symposium on Innovations in Intelligent SysTems and Applications (INISTA 2007), 2007, Istanbul, Turkey, pp. 293-297.
- 22.Papadopoulos, K. A., Papagianni, C.A, Kaklamani, D. I., Venieris, I.S., "Optimal design of switched beam antenna arrays using Particle Swarm Optimization", In Proc. of European Conference on Antennas and Propagation, 2006, Nice, France, pp 1-6.
- 23.Sotiropoulos, G. P., Styliaras, D. K., Kosmatos, E. A., Papagianni, C. A., Tselikas, N. D., Venieris, I. S., "Triple Play Flows Simulation and Packet Scheduling", Proc. of the IEEE International Conference on Digital Telecommunications, 2006, Cote d'Azur, France, pp. 54-60.
- 24.Krasteva, Y.E., Papagianni, C.A., Kosmatos, E., de la Torre, E., Venieris, I.S., Riesgo, T., "ENAMORADO: Enabling Nomadic Agents in a Multimedia ORiented Architecture of Distributed Objects", eChallenges, 2005, Barcelona, Spain, Available online: <http://www.echallenges.org/e2005/>
- 25.Papagianni, C., Kosmatos, E., Nikolouzou, E., Venieris, I.S., "Intelligent multimedia content provision for nomadic users", In Proc. of 11th European Wireless Conference, 2005, Nicosia, Cyprus, pp. 1-7.

26. Angelopoulos, E.S., Papagianni, C., Kaklamani, D.I., "A dual band modified CPW-fed curved bow-tie slot antenna with wideband characteristics", In Proc. of 13th IST Mobile and Wireless Communications Summit, 2004, Lyon, France.
27. Kosmatos, E., Papagianni, C., Nikolouzou, E., Sampatakos, P., Maniatis, S., Venieris, I.S., "Enamorado: An intelligent multimedia content delivery system", In Proc. of 13th IST Mobile and Wireless Communications Summit, 2004, Lyon, France.

PUBLICATIONS - BOOK CHAPTERS

- 1.A. Leivadeas, C. Papagianni and S. Papavassiliou, "Going Green with the Networked Cloud: Methodologies and Assessment", In Quantitative assessments of distributed systems, ed. D. Bruneo, to be released in 2015.
- 2.S. Papavassiliou, , C. Papagianni, S. Distefano, G. Merlino, A. Puliafito, " M2M Interactions Paradigm via Volunteer Computing and Mobile Crowdsensing", In Press Machine-To-Machine Communications - Architectures, Technology, Standards, and Applications, ed. Vojislav Misic and Jelena Misic. Taylor & Francis chap.11, February 20, 2014.
- 3.I.S. Venieris, E. Kosmatos, C. Papagianni, G. N. Prezerakos, "Live Video and On-demand Streaming", Handbook of Mobile Broadcasting: DVB-H, DMB, ISDB-T and MediaFLO, ed. Borko Furht and Syed A. Ahson, CRC Press - Taylor & Francis chap 23, April 15, 2008, ISBN 9781420053869.

PUBLICATIONS - UNIVERSITY TEXTBOOKS

- 1.Iakovos St. Venieris, "Broadband Networks" (2nd Edition), Tziolas Publications, (ISBN: 960-418-103-3), 2006. (participation in new edition)
- 2.Iakovos St. Venieris, Eugenia Nikolouzou, "Internet Technologies" (2nd Edition), Tziolas Publications, (ISBN: 960-418-104-1), 2006. (participation in new edition)