

Publications for Abbas Jamalipour

2017

Guo, L., Ning, Z., Song, Q., Zhang, L., Jamalipour, A. (2017). A QoS-Oriented High-Efficiency Resource Allocation Scheme in Wireless Multimedia Sensor Networks. *IEEE Sensors Journal*, 17(5), 1538-1548. [More Information]

Hourani, A., Chandrasekharan, S., Sithamparanathan, K., Jamalipour, A. (2017). Aerial Platforms for Public Safety Networks and Performance Optimization (Forthcoming). In Daniel Camara Navid Nikaein (Eds.), *Wireless Public Safety Networks 3*, (pp. 133-153). UK: ISTE Press - Elsevier. [More Information]

Khan, A., Jamalipour, A. (2017). An Outage Performance Analysis with Moving Relays on Suburban Trains for Uplink. *IEEE Transactions on Vehicular Technology*, 66(5), 3966-3975. [More Information]

Munasinghe, K., Aseeri, M., Almorqi, S., Hossain, M., Binte Wali, M., Jamalipour, A. (2017). EM-Based High Speed Wireless Sensor Networks for Underwater Surveillance and Target Tracking. *Journal of Sensors*, 2017. [More Information]

Zhuang, W., Jamalipour, A., Bai, F., Vinel, A. (2017). Emerging Technologies, Applications, and Standardizations for Connecting Vehicles (Part II) [From the Guest Editor]. *IEEE Vehicular Technology Magazine*, 12(2), 23-25. [More Information]

Ramezani, P., Jamalipour, A. (2017). Fairness enhancement in dual-hop wireless powered communication networks. *IEEE International Conference on Communications (ICC) 2017*, Piscataway: IEEE. [More Information]

Ahmad, A., Rehmani, M., Tembine, H., Mohammed, O., Jamalipour, A. (2017). IEEE Access Special Section Editorial: Optimization for Emerging Wireless Networks: IoT, 5G, and Smart Grid Communication Networks. *IEEE Access*, 5, 2096-2099. [More Information]

Webster, R., Munasinghe, K., Jamalipour, A. (2017). Narrow-beam optical communications in underwater wireless network with passive node mobility. *IEEE International Conference on Communications (ICC) 2017*, Piscataway: IEEE. [More Information]

Alezabi, K., Hashim, F., Hashim, S., Ali, B., Jamalipour, A. (2017). On the authentication and re-authentication protocols in LTE-WLAN interworking architecture. *Transactions on Emerging Telecommunications Technologies*, 28(4), 1-19. [More Information]

Hossain, M., Canning, J., Cook, K., Ast, S., Jamalipour, A. (2017). Photo- and thermal degradation of olive oil measured using an optical fibre smartphone spectrophotometer. *25th International Conference on Optical Fiber Sensors (OFS 2017)*, Bellingham: SPIE - International Society for Optical Engineering. [More Information]

Hossain, M., Canning, J., Yu, Z., Ast, S., Rutledge, P., Wong, J., Jamalipour, A., Crossley, M. (2017). Time-resolved and temperature tuneable measurements of fluorescent intensity using a smartphone fluorimeter. *The Analyst*, 142(11), 1953-1961. [More Information]

Munasinghe, K., Elgendi, I., Sharma, D., Jamalipour, A. (2017). Traffic Offloading 3-Tiered SDN Architecture for DenseNets. *IEEE Network*, 31(3), 56-62. [More Information]

2016

Soldani, D., Chatzimisios, P., Jamalipour, A., Barani, B., Redana, S., Rangan, S. (2016). 5G Radio Access Architecture and Technologies. *IEEE Communications Magazine*, 54(11), 14-15. [More Information]

Shivshankar, S., Jamalipour, A. (2016). A Cloud Computing Perspective for Distributed Routing in Vehicular Environments. *ZTE Communications*, 14(3), 36-44. [More Information]

Karupongsiri, C., Munasinghe, K., Jamalipour, A. (2016). A Hybrid Random Access Method for Smart Meters on LTE Networks. *2016 IEEE Wireless Communications and Networking Conference (WCNC 2016)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Karupongsiri, C., Munasinghe, K., Jamalipour, A. (2016). A Novel Communication Mechanism for Smart Meter Packet Transmission on LTE Networks. *2016 IEEE International Conference on Smart Grid Communications (SmartGridComm)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Elgendi, I., Munasinghe, K., Jamalipour, A. (2016). A Three-Tier SDN Based Distributed Mobility Management Architecture for DenseNets. *2016 IEEE International Conference on Communications (ICC 2016)*, Piscataway: IEEE. [More Information]

Qi, W., Hou, W., Guo, L., Song, Q., Jamalipour, A. (2016). A Unified Routing Framework for Integrated Space/Air Information Networks. *IEEE Access*, 4, 7084-7103. [More Information]

Owada, Y., Jeong, B., Katayama, N., Hattori, K., Hamaguchiv, K., Inoue, M., Takanashi, K., Hosokawa, M., Jamalipour, A. (2016). An implementation of multichannel multi-interface MANET for fire engines and experiments with WINDS satellite

- mobile earth station. *2016 IEEE Wireless Communications and Networking Conference (WCNC 2016)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Wang, F., Guo, L., Wang, S., Song, Q., Jamalipour, A. (2016). Approaching Single-Hop Performance in Multi-Hop Networks: End-To-End Known-Interference Cancelation (E2E-KIC). *IEEE Transactions on Vehicular Technology*, 65(9), 7606-7620. [More Information]
- Alezabi, K., Hashim, F., Hashim, S., Ali, B., Jamalipour, A. (2016). Authentication process enhancements in WiMAX networks. *Security and Communication Networks*, 9(17), 4703-4725. [More Information]
- Nazari, B., Jamalipour, A. (2016). Contract-auction based distributed resource allocation for cooperative communications. *IET Communications*, 10(9), 1087-1095. [More Information]
- Al-Hourani, A., Chandrasekharan, S., Kaandorp, G., Glenn, W., Jamalipour, A., Kandeepan, S. (2016). Coverage and Rate Analysis of Aerial Base Stations. *IEEE Transactions on Aerospace and Electronic Systems*, 52(6), 3077-3081. [More Information]
- Faisal, A., Hashim, F., Noordin, N., Ismail, M., Jamalipour, A. (2016). Efficient beamforming and spectral efficiency maximization in a joint transmission system using an adaptive particle swarm optimization algorithm. *Applied Soft Computing*, 49, 759-769. [More Information]
- Movassaghi, S., Majidi, A., Jamalipour, A., Smith, D., Abolhasan, M. (2016). Enabling interference-aware and energy-efficient coexistence of multiple wireless body area networks with unknown dynamics. *IEEE Access*, 4, 2935-2951. [More Information]
- Joerer, S., Bloessl, B., Segata, M., Sommer, C., Lo Cigno, R., Jamalipour, A., Dressler, F. (2016). Enabling Situation Awareness at Intersections for IVC Congestion Control Mechanisms. *IEEE Transactions on Mobile Computing*, 15(7), 1674-1685. [More Information]
- Hossain, M., Huque, M., Ahmad, A., Munasinghe, K., Jamalipour, A. (2016). Energy Efficiency of Combined DPS and JT CoMP Technique in Downlink LTE-A Cellular Networks. *2016 IEEE International Conference on Communications (ICC 2016)*, Piscataway: IEEE. [More Information]
- Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2016). Hand-held Optical Fiber Smartphone Spectrometer for Classification of Vegetable Oils. *OSA's Photonics and Fiber Technology Congress 2016*, Sydney: OSA (Optical Society America). [More Information]
- Ning, Z., Song, Q., Guo, L., Chen, Z., Jamalipour, A. (2016). Integration of scheduling and network coding in multi-rate wireless mesh networks: Optimization models and algorithms. *Ad Hoc Networks*, 36, 386-397. [More Information]
- Elgendi, I., Munasinghe, K., Jamalipour, A. (2016). Mobility management in three-Tier SDN architecture for DenseNets. *2016 IEEE Wireless Communications and Networking Conference (WCNC 2016)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Khan, A., Jamalipour, A. (2016). Moving relays in heterogeneous cellular networks - A coverage performance analysis. *IEEE Transactions on Vehicular Technology*, 65(8), 6128-6135. [More Information]
- Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2016). Optical fiber smartphone spectrometer. *Optics Letters*, 41(10), 2237-2240. [More Information]
- Webster, R., Munasinghe, K., Jamalipour, A. (2016). Optimized resource allocation in LTE networks incorporating delay-sensitive smart grid traffic. *2016 IEEE International Conference on Smart Grid Communications (SmartGridComm)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Campista, M., Laufer, R., Velloso, P., Jamalipour, A. (2016). Software networks. *Annals of Telecommunications*, 71(11), 569-572. [More Information]
- Azim, M., Aung, Z., Xiao, W., Khadkikar, V., Jamalipour, A. (2016). SPSA-NC: simultaneous perturbation stochastic approximation localization based on neighbor confidence. *Wireless Communications and Mobile Computing*, 16(12), 1570-1587. [More Information]
- Al-Hourani, A., Kandeepan, S., Jamalipour, A. (2016). Stochastic Geometry Study on Device-to-Device Communication as a Disaster Relief Solution. *IEEE Transactions on Vehicular Technology*, 65(5), 3005-3017. [More Information]
- Hossain, M., Yu, Z., Canning, J., Ast, S., Wong, J., Rutledge, P., Crossley, M., Jamalipour, A. (2016). Temperature Controlled Portable Smartphone Fluorimeter. *The 6th Asia Pacific Optical Sensors Conference*, Shanghai: OSA (Optical Society America). [More Information]
- Hossain, M., Wali, M., Munasinghe, K., Jamalipour, A. (2016). Three dimensional (3D) underwater sensor network architectures for intruder localization using em wave. *2016 IEEE Wireless Communications and Networking Conference (WCNC 2016)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Qi, W., Hou, W., Song, Q., Guo, L., Jamalipour, A. (2016). Topology control and routing based on adaptive RF/FSO switching in space-air integrated networks. *59TH IEEE Global Communications Conference (GLOBECOM 2016)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [Mo

re Information]

Elgendi, I., Munasinghe, K., Sharma, D., Jamalipour, A. (2016). Traffic offloading techniques for 5G cellular: a three-tiered SDN architecture. *Annals of Telecommunications*, 71(11), 583-593. [More Information]

Hossain, M., Munasinghe, K., Jamalipour, A. (2016). Traffic-aware two-dimensional dynamic network provisioning for energy-efficient cellular systems. *Transactions on Emerging Telecommunications Technologies*, 27(3), 357-372. [More Information]

2015

Shivshankar, S., Jamalipour, A. (2015). A Distributed Framework for Content Based Dissemination in Vehicular P2P Environments. *2015 81st IEEE Vehicular Technology Conference (VTC Spring)*, Piscataway, New Jersey: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Elgendi, I., Munasinghe, K., Jamalipour, A. (2015). A three-tier SDN architecture for DenseNets. *9th International Conference on Signal Processing and Communication Systems (ICSPCS), 2015*, Piscataway, New Jersey: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Bi, Y., Jamalipour, A. (2015). A time correlated attacker-defender model for smart grid communication networks. *2015 IEEE International Conference on Communications (ICC)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hossain, M., Canning, J., Cook, K., Ast, S., Rutledge, P., Jamalipour, A. (2015). Absorption and fluorescence spectroscopy on a smartphone. *Fifth Asia-Pacific Optical Sensors Conference (APOS 2015)*, Washington, USA: SPIE - International Society for Optical Engineering. [More Information]

Jafarizadeh, S., Jamalipour, A. (2015). Adapting distributed LT codes to Y-networks: An abstraction of collection tree in sensor networks. *ACM Transactions on Sensor Networks*, 11(4), 1-24. [More Information]

Wang, F., Guo, L., Wang, S., Yu, Y., Song, Q., Jamalipour, A. (2015). Almost as good as single-hop full-duplex: Bidirectional end-to-end known interference cancellation. *2015 IEEE International Conference on Communications (ICC)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Shivshankar, S., Jamalipour, A. (2015). An evolutionary game theory based approach for cooperation in VANETs under different network conditions. *IEEE Transactions on Vehicular Technology*, 64(5), 2015-2022. [More Information]

Canning, J., Ast, S., Hossain, M., Chan, H., Rutledge, P., Jamalipour, A. (2015). Bend and twist intramolecular charge transfer and emission for selective metal ion sensing. *Optical Materials Express*, 5(11), 2675-2681. [More Information]

Ul Huque, M., Munasinghe, K., Jamalipour, A. (2015). Body node coordinator placement algorithms for wireless body area networks. *IEEE Internet of Things Journal*, 2(1), 94-102. [More Information]

Hossain, M., Canning, J., Ast, S., Cook, K., Rutledge, P., Jamalipour, A. (2015). Combined "dual" absorption and fluorescence smartphone spectrometers. *Optics Letters*, 40(8), 1737-1740. [More Information]

Nazari, B., Jamalipour, A. (2015). Distributed user matching and power allocation in cooperative cognitive networks. *2015 IEEE International Conference on Communications (ICC)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Yang, Y., Wang, S., Song, Q., Guo, L., Jamalipour, A. (2015). Double Auction and Negotiation for Dynamic Resource Allocation with Elastic Demands. *2015 IEEE 26th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)*, Piscataway, New Jersey: IEEE. [More Information]

Khan, A., Jamalipour, A. (2015). Downlink coverage performance of a 2-tier heterogeneous cellular network. *IEEE 25th Annual International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC2014)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hossain, M., Canning, J., Ast, S., Rutledge, P., Jamalipour, A. (2015). Early Warning Smartphone Diagnostics for Water Security and Analysis Using Real-Time pH Mapping. *Photonic Sensors*, 5(4), 289-297. [More Information]

Webster, R., Munasinghe, K., Jamalipour, A. (2015). Eco-inspired low latency performance for Smart Grid applications in wireless networks. *2015 IEEE International Conference on Communications (ICC)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Munasinghe, K., Jamalipour, A. (2015). Ecologically Inspired Resource Distribution Techniques for Sustainable Communication Networks. In Xin-She Yang, Su Fong Chien, Tiew On Ting (Eds.), *Bio-Inspired Computation in Telecommunications*, (pp. 185-203). Waltham: Elsevier. [More Information]

Webster, R., Munasinghe, K., Jamalipour, A. (2015). Energy-aware joint transmission Coordinated MultiPoint utilizing dynamic sectorization. *2015 22nd International Conference on Telecommunications (ICT 2015)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Movassaghi, S., Majidi, A., Smith, D., Abolhasan, M., Jamalipour, A. (2015). Exploiting Unknown Dynamics in Communications Amongst Coexisting Wireless Body Area Networks. *2015 IEEE Global Communications Conference*

(GLOBECOM), Piscataway, New Jersey: IEEE. [More Information]

Hossain, M., Ast, S., Canning, J., Cook, K., Rutledge, P., Jamalipour, A. (2015). Fluorescent measurements of Zn²⁺ on a smartphone. *Fifth Asia-Pacific Optical Sensors Conference (APOS 2015)*, Washington, USA: SPIE - International Society for Optical Engineering. [More Information]

Qi, W., Hou, W., Song, Q., Guo, L., Zong, Y., Jamalipour, A. (2015). Hierarchical Routing for Integrated Space/Air Information Networks. *2015 IEEE Global Communications Conference (GLOBECOM)*, Piscataway, New Jersey: IEEE. [More Information]

Liu, X., Jamalipour, A. (2015). Informed dynamic scheduling strategies for novel majority-logic decoding of non-binary LDPC codes. *9th International Conference on Signal Processing and Communication Systems (ICSPCS), 2015*, Piscataway, New Jersey: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hossain, M., Canning, J., Ast, S., Rutledge, P., Yen, T., Jamalipour, A. (2015). Lab-in-a-phone: Smartphone-based portable fluorometer for pH measurements of environmental water. *IEEE Sensors Journal*, 15(9), 5095-5102. [More Information]

Hossain, M., Munasinghe, K., Jamalipour, A. (2015). On the eNB-based energy saving cooperation techniques for self-organizing LTE access networks. *Wireless Communications and Mobile Computing*, 15(3), 401-420. [More Information]

Al-Hourani, A., Chandrasekharan, S., Jamalipour, A., Reynaud, L., Kandeepan, S. (2015). Optimal Cluster Head Spacing for Energy-Efficient Communication in Aerial-Backhauled Networks. *2015 IEEE Global Communications Conference (GLOBECOM)*, Piscataway, New Jersey: IEEE. [More Information]

Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2015). Portable smartphone optical fibre spectrometer. *24th International Conference on Optical Fibre Sensors*, Bellingham: SPIE Society of Photo-Optical Instrumentation Engineers. [More Information]

Alam, M., Hossain, M., Munasinghe, K., Jamalipour, A. (2015). Reliability and delay analysis of AUV navigation system using EM wave based underwater sensor network. *9th International Conference on Signal Processing and Communication Systems (ICSPCS), 2015*, Piscataway, New Jersey: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Wali, M., Hossain, M., Munasinghe, K., Jamalipour, A. (2015). RF Based Underwater Wireless Sensor Network Architectures for Tracking Intruders in 3D Space. *The 1st IEEE International Conference on Telecommunications and Photonics 2015*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More

Information]

McHugh, J., Collingridge, M., Garrido Sanchis, A., Munasinghe, K., McGrath, B., Jamalipour, A. (2015). SDR based through the rubble communications for collapsed mines: A proof-of-concept. *9th International Conference on Signal Processing and Communication Systems (ICSPCS), 2015*, Piscataway, New Jersey: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Movassaghi, S., Majidi, A., Smith, D., Abolhasan, M., Jamalipour, A. (2015). Self-Organization Amongst Multiple Co-existing Wireless Body Area Networks. *2015 IEEE 26th International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC)*, Piscataway, New Jersey: IEEE. [More Information]

Karupongsiri, C., Munasinghe, K., Jamalipour, A. (2015). Smart meter packet transmission via the control signal at dynamic load on eNode-B in LTE networks. *2015 22nd International Conference on Telecommunications (ICT 2015)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Karupongsiri, C., Munasinghe, K., Jamalipour, A. (2015). Smart meter packet transmission via the control signal of LTE networks. *2015 IEEE International Conference on Communications (ICC)*, Piscataway, New Jersey, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2015). Smartphone Laser Beam Profiler. *40th Australian Conference on Optical Fibre Technology (ANZCOP 2015)*.

Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2015). Smartphone laser beam spatial profiler. *Optics Letters*, 40(22), 5156-5159. [More Information]

Hossain, M., Canning, J., Cook, K., Jamalipour, A. (2015). Smartphone Spectrometer with Fiber Endoscope Probe. *40th Australian Conference on Optical Fibre Technology (ANZCOP 2015)*.

Canning, J., Hossain, M., Cook, K., Jamalipour, A. (2015). Smartphone spectrometers. *40th Australian Conference on Optical Fibre Technology (ANZCOP 2015)*.

2014

Ahmed Surobhi, N., Jamalipour, A. (2014). A Context-Aware M2M-Based Middleware for Service Selection in Mobile Ad-Hoc Networks. *IEEE Transactions on Parallel and Distributed Systems*, 25(12), 3056-3065. [More Information]

Nazari, B., Jamalipour, A. (2014). A contract-auction mechanism for multi-relay cooperative wireless networks. *2014 IEEE 79th Vehicular Technology Conference (VTC Spring)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Ahmed Surobhi, N., Jamalipour, A. (2014). A MANET-based semantic traffic management framework for ubiquitous public

- safety networks. *Wireless Communications and Mobile Computing*, 14(12), 1127-1142. [More Information]
- Webster, R., Munasinghe, K., Jamalipour, A. (2014). A population theory inspired solution to the optimal bandwidth allocation for smart grid applications. *2014 IEEE Wireless Communications and Networking Conference (WCNC 2014)*, Piscataway, USA: IEEE. [More Information]
- Ul Huque, M., Munasinghe, K., Jamalipour, A. (2014). A probabilistic energy-aware routing protocol for wireless body area networks. *2014 IEEE 80th Vehicular Technology Conference (VTC Fall)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hossain, M., Canning, J., Ast, S., Yen, T., Rutledge, P., Jamalipour, A. (2014). A smartphone fluorometer - the lab-in-a-phone. *Optical Sensors 2014*, Bellingham: Optical Society of America. [More Information]
- Bi, Y., Jamalipour, A. (2014). A voluntary-based real-time incentive scheme for smart grid demand management. *2014 21st International Conference on Telecommunication (ICT)*, United States: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Movassaghi, S., Abolhasan, M., Smith, D., Jamalipour, A. (2014). AIM: Adaptive internetwork interference mitigation amongst co-existing wireless body area networks. *2014 IEEE Global Communications Conference (GLOBECOM)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2014). An exact solution to degree distribution optimization in LT codes. *2014 IEEE Wireless Communications and Networking Conference (WCNC 2014)*, Piscataway, USA: IEEE. [More Information]
- Ahmed Surobhi, N., Jamalipour, A. (2014). An IoT-based middleware for mobility management in post-emergency networks. *2014 21st International Conference on Telecommunication (ICT)*, United States: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Joerer, S., Bloessl, B., Huber, M., Jamalipour, A., Dressler, F. (2014). Assessing the impact of inter-vehicle communication protocols on road traffic safety. *6th ACM MobiCom Workshop on Wireless of the Students, by the Students, for the Students*, New York: ACM. [More Information]
- Hossain, M., Canning, J., Ast, S., Rutledge, P., Webster, R., Jamalipour, A. (2014). Centralised and portable "network forensics" using smartphone-based diagnostics: Case Study - the mapping of tap water pH across Sydney, Australia. *2014 IEEE Photonics Conference, IPC 2014*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Information]
- Nazari, B., Jamalipour, A. (2014). Contract-based cooperative spectrum sharing in cognitive radio networks. *2014 IEEE Global Communications Conference (GLOBECOM)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Joerer, S., Bloessl, B., Huber, M., Jamalipour, A., Dressler, F. (2014). Demo: Simulating the impact of communication performance on road traffic safety at intersections. *The 20th Annual International Conference on Mobile Computing and Networking (MobiCom2014)*, New York, USA: Association for Computing Machinery (ACM). [More Information]
- Khan, A., Jamalipour, A. (2014). Downlink coverage performance of a relay cellular network considering non-uniform user distribution. *2014 IEEE Wireless Communications and Networking Conference (WCNC 2014)*, Piscataway, USA: IEEE. [More Information]
- Munasinghe, K., Jamalipour, A., Sharma, D. (2014). Eco-inspired load optimization for LTE EUTRAN. *2014 IEEE Wireless Communications and Networking Conference (WCNC 2014)*, Piscataway, USA: IEEE. [More Information]
- Shivshankar, S., Jamalipour, A. (2014). Effect of node neighborhood on the evolution of cooperation using public goods game in vehicular networks. *2014 IEEE Wireless Communications and Networking Conference (WCNC 2014)*, Piscataway, USA: IEEE. [More Information]
- Movassaghi, S., Abolhasan, M., Smith, D., Jamalipour, A. (2014). Joint energy harvesting and internetwork interference mitigation amongst coexisting wireless body area networks. *2014 9th International Conference on Body Area Networks (BODYNETS 2014)*, Brussels, Belgium: (ICST) Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering. [More Information]
- Ahmed Surobhi, N., Jamalipour, A. (2014). M2M-Based Service Coverage for Mobile Users in Post-Emergency Environments. *IEEE Transactions on Vehicular Technology*, 63(7), 3294-3303. [More Information]
- Song, Q., Guo, L., Wang, F., Wang, S., Jamalipour, A. (2014). MAC-centric cross-layer collaboration: A case study on physical-layer network coding. *IEEE Wireless Communications*, 21(6), 160-166. [More Information]
- Al-Hourani, A., Kandeepan, S., Jamalipour, A. (2014). Modeling air-to-ground path loss for low altitude platforms in urban environments. *2014 IEEE Global Communications Conference (GLOBECOM)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Fanaei, M., Valenti, M., Jamalipour, A., Schmid, N. (2014).

- Optimal power allocation for distributed blue estimation with linear spatial collaboration. *2014 IEEE International Conference on Acoustics, Speech, and Signal Processing (ICASSP)*, Piscataway, USA: IEEE. [More Information]
- Webster, R., Munasinghe, K., Jamalipour, A. (2014). Optimal resource allocation for smart grid applications in high traffic wireless networks. *2014 IEEE International Conference on Smart Grid Communications (SmartGridComm)*, United States: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Shivshankar, S., Jamalipour, A. (2014). Optimized dynamic multicast grouping for content based routing in vehicular P2P environments. *2014 IEEE 79th Vehicular Technology Conference (VTC Spring)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Tukmanov, A., Boussakta, S., Ding, Z., Jamalipour, A. (2014). Outage performance analysis of imperfect-CSI-based selection cooperation in random networks. *IEEE Transactions on Communications*, 62(8), 2747-2757. [More Information]
- Khan, A., Jamalipour, A. (2014). Outage performance of opportunistically placed low-powered base stations in heterogeneous cellular networks. *8th International Conference on Signal Processing and Communication Systems (ICSPCS 2014)*, USA: IEEE. [More Information]
- Karupongsiri, C., Munasinghe, K., Jamalipour, A. (2014). Random access issues for smart grid communication in LTE networks. *8th International Conference on Signal Processing and Communication Systems (ICSPCS 2014)*, USA: IEEE. [More Information]
- Shivshankar, S., Jamalipour, A. (2014). Spatio-temporal multicast grouping for content-based routing in vehicular networks: A distributed approach. *Journal of Network and Computer Applications*, 39(March 2014), 93-103. [More Information]
- Khan, A., Fanaei, M., Jamalipour, A. (2014). Uplink outage performance of linear cellular networks with non-uniform user distribution. *Electronics Letters*, 50(23), 1772-1774. [More Information]
- Movassaghi, S., Abolhasan, M., Lipman, J., Smith, D., Jamalipour, A. (2014). Wireless Body Area Networks: A Survey. *IEEE Communications Surveys and Tutorials*, 16(3), 1658-1686. [More Information]
- ## 2013
- Ahmed Surobhi, N., Jamalipour, A. (2013). A modified M2M-based movement prediction for realistic emergency environments. *2013 IEEE Wireless Communications and Networking Conference (WCNC 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Karupongsiri, C., Hossain, M., Munasinghe, K., Jamalipour, A. (2013). A novel scheduling technique for Smart Grid data on LTE networks. *7th International Conference on Signal Processing and Communication Systems (ICSPCS 2013)*, Gold Coast, QLD, Australia: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Webster, R., Munasinghe, K., Jamalipour, A. (2013). A scalable distributed Microgrid Control Structure. *2013 IEEE TENCON Spring Conference*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Nazari, B., Jamalipour, A. (2013). Cooperative Communication with Asymmetric Channel State Information: A Contract Theoretic Modeling Approach. *China Communications*, 10(1), 31-43. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2013). Data Persistency in Wireless Sensor Networks Using Distributed Luby Transform Codes. *IEEE Sensors Journal*, 13(12), 4880-4890. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2013). Distributed Inter-BS Cooperation Aided Energy Efficient Load Balancing for Cellular Networks. *IEEE Transactions on Wireless Communications*, 12(11), 5929-5939. [More Information]
- Wang, S., Song, Q., Wang, X., Jamalipour, A. (2013). Distributed MAC Protocol Supporting Physical-Layer Network Coding. *IEEE Transactions on Mobile Computing*, 12(5), 1023-1036. [More Information]
- Ul Huque, M., Munasinghe, K., Abolhasan, M., Jamalipour, A. (2013). EAR-BAN: Energy efficient adaptive routing in Wireless Body Area Networks. *7th International Conference on Signal Processing and Communication Systems (ICSPCS 2013)*, Gold Coast, QLD, Australia: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Jamalipour, A. (2013). Ecologically inspired Load Balancing for LTE SON. *2013 IEEE 77th Vehicular Technology Conference (VTC 2013 - Spring)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2013). Energy-Aware Dynamic Sectorization of Base Stations in Multi-Cell OFDMA Networks. *IEEE Wireless Communications Letters*, 2(6), 587-590. [More Information]
- Bi, Y., Jamalipour, A. (2013). Game-Theoretic Pricing for Data Services in Smart Grid. *6th Joint IFIP Wireless and Mobile Networking Conference (WMNC 2013)*, Dubai, United Arab Emirates: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Huang, F., Wang, S., Song, Q., Guo, L., Jamalipour, A. (2013). Joint encoding and node-pair grouping for physical-layer network coding. *2013 IEEE Global Communications Conference (GLOBECOM 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers.

Wang, F., Song, Q., Wang, S., Guo, L., Jamalipour, A. (2013). MAC protocol supporting physical-layer network coding with overhearing. *2013 IEEE Global Communications Conference (GLOBECOM 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers.

Tukmanov, A., Ding, Z., Boussakta, S., Jamalipour, A. (2013). On the impact of network geometric models on multicell cooperative communication systems. *IEEE Wireless Communications*, 20(1), 75-81. [More Information]

Tukmanov, A., Boussakta, S., Ding, Z., Jamalipour, A. (2013). On the impact of relay-side channel state information on opportunistic relaying. *2013 IEEE International Conference on Communications (ICC 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Khan, A., Jamalipour, A. (2013). Outage performance of a network model based on average user distance in cellular systems. *2013 IEEE International Conference on Communications (ICC 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Nazari, B., Jamalipour, A. (2013). Relay selection scheme for cooperative communication networks using contract theory. *The 19th Asia-Pacific Conference on Communications (APCC2013)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Ul Huque, M., Munasinghe, K., Abolhasan, M., Jamalipour, A. (2013). SEA-BAN: Semi-autonomous adaptive routing in wireless body area networks. *7th International Conference on Signal Processing and Communication Systems (ICSPCS 2013)*, Gold Coast, QLD, Australia: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Jamalipour, A., Oppermann, I., Ansari, N., Woodward, G. (2013). Special issue on: Cooperative and distributed wireless communications. *International Journal of Wireless Information Networks*, 20(3), 167-169. [More Information]

Huang, Y., Wang, S., Song, Q., Guo, L., Jamalipour, A. (2013). Synchronous Physical-Layer Network Coding: A Feasibility Study. *IEEE Transactions on Wireless Communications*, 12(8), 4048-4057. [More Information]

Ning, Z., Song, Q., Guo, L., Jamalipour, A. (2013). Throughput improvement by network coding and spatial reuse in wireless mesh networks. *2013 IEEE Global Communications Conference (GLOBECOM 2013)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers.

Hossain, M., Munasinghe, K., Jamalipour, A. (2013). Toward Self-organizing Sectorization of LTE eNBs for Energy Efficient Network Operation Under QoS Constraints. *2013 IEEE*

Wireless Communications and Networking Conference (WCNC 2013), Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

2012

Javadi, F., Munasinghe, K., Jamalipour, A. (2012). A fast and reliable routing technique for wireless mesh networks. *Wireless Communications and Mobile Computing*, 12(9), 782-796. [More Information]

Ahmed Surobhi, N., Jamalipour, A. (2012). A M2M Network-Based Realistic Mobile User Movement Prediction in Emergencies. *IEEE 2012 6th International Conference on Signal Processing and Communication Systems (ICSPCS 2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Bai, F., Munasinghe, K., Jamalipour, A. (2012). A novel information acquisition technique for mobile-assisted wireless sensor networks. *IEEE Transactions on Vehicular Technology*, 61(4), 1752-1761. [More Information]

Hossain, M., Munasinghe, K., Jamalipour, A. (2012). A Self-Organizing Cooperative Heterogeneous Cellular Access Network for Energy Conservation. *2012 IEEE International Conference on Communications (ICC 2012)*, Ottawa, Canada: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Ghaboosi, N., Jamalipour, A. (2012). A Shadowing-Aware Density_Map for Location Estimation using COB in Non-Uniformly Populated Cellular Systems. *2012 IEEE International Conference on Communications (ICC 2012)*, Ottawa, Canada: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Wysocki, T., Jamalipour, A. (2012). An economic welfare preserving framework for spot pricing and hedging of spectrum rights for cognitive radio. *IEEE Transactions on Network and Service Management*, 9(1), 87-99. [More Information]

Lloret, J., Lorenz, P., Jamalipour, A. (2012). Communication protocols and algorithms for the smart grid. *IEEE Communications Magazine*, 50(5), 126-127. [More Information]

Wang, S., Song, Q., Guo, L., Jamalipour, A. (2012). Constellation Mapping for Physical-Layer Network Coding with M-QAM Modulation. *2012 IEEE Global Communications Conference (GLOBECOM2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Shivshankar, S., Jamalipour, A. (2012). Content-based Routing Using Multicasting for Vehicular Networks. *2012 IEEE 23rd International Symposium on Personal, Indoor and Mobile Radio Communications - (PIMRC)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

- [\[More Information\]](http://dx.doi.org/10.1109/PIMRC.2012.6362770)
- Nazari, B., Jamalipour, A. (2012). Contract Design for Relay-based Cooperative Communication with Hidden Channel State Information. *2012 First IEEE International Conference on Communications in China (ICCC 2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hasan, Z., Jamalipour, A., Bhargava, V. (2012). Cooperative Communication and Relay Selection Under Asymmetric Information. *2012 IEEE Wireless Communications and Networking Conference, WCNC 2012*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2012). Distributed Data Storage in Sensor Networks Based on Raptor Codes. *2012 IEEE 23rd International Symposium on Personal, Indoor and Mobile Radio Communications - (PIMRC)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Jamalipour, A. (2012). Ecologically Inspired Equitable Resource Distribution between Heterogeneous Service Classes in the NGN. *2012 IEEE Wireless Communications and Networking Conference, WCNC 2012*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Shivshankar, S., Jamalipour, A. (2012). Effect of Altruism and Punishment on Selfish Behavior for Cooperation in Vehicular Networks. *2012 First IEEE International Conference on Communications in China (ICCC 2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Song, Q., Ning, Z., Wang, S., Jamalipour, A. (2012). Link stability estimation based on link connectivity changes in mobile ad-hoc networks. *Journal of Network and Computer Applications*, 35(6), 2051-2058. [More Information]
- Azim, M., Aung, Z., Xiao, W., Khadkikar, V., Jamalipour, A. (2012). Localization in Wireless Sensor Networks by Constrained Simultaneous Perturbation Stochastic Approximation Technique. *IEEE 2012 6th International Conference on Signal Processing and Communication Systems (ICSPCS 2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ghaboosi, N., Jamalipour, A. (2012). Location estimation using geometry of overhearing under shadow fading conditions. *IEEE Transactions on Wireless Communications*, 11(11), 4140-4149. [More Information]
- Ahmed Surobhi, N., Jamalipour, A. (2012). Movement Prediction of Mobile Users in Emergencies Using M2M Networks. *2012 IEEE 23rd International Symposium on Personal, Indoor and Mobile Radio Communications - (PIMRC)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Information]
- Tukmanov, A., Ding, Z., Boussakta, S., Jamalipour, A. (2012). On the broadcast latency in finite cooperative wireless networks. *IEEE Transactions on Wireless Communications*, 11(4), 1207-1313. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2012). On the Energy Efficiency of Self-Organizing LTE Cellular Access Networks. *2012 IEEE Global Communications Conference (GLOBECOM2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hashim, F., Munasinghe, K., Jamalipour, A. (2012). On the negative selection and the danger theory inspired security for heterogeneous networks. *IEEE Wireless Communications*, 19(3), 74-84. [More Information]
- Ahmed Surobhi, N., Jamalipour, A. (2012). Opinion Based Service Selection in a Pervasive Cooperative Consumer Network. *2012 IEEE Wireless Communications and Networking Conference, WCNC 2012*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Huang, Y., Song, Q., Wang, S., Jamalipour, A. (2012). Phase-Level Synchronization for Physical-Layer Network Coding. *2012 IEEE Global Communications Conference (GLOBECOM2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ghaboosi, N., Jamalipour, A. (2012). Statistical Analysis of COB-based Location Estimation in Cellular Mobile Radio Systems. *2012 IEEE Global Communications Conference (GLOBECOM2012)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Huang, Y., Song, Q., Wang, S., Jamalipour, A. (2012). Symbol Error Rate Analysis for M-QAM Modulated Physical-Layer Network Coding with Phase Errors. *2012 IEEE 23rd International Symposium on Personal, Indoor and Mobile Radio Communications - (PIMRC)*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2012). Two Level Cooperation for Energy Efficiency in Multi-RAN Cellular Network Environment. *2012 IEEE Wireless Communications and Networking Conference, WCNC 2012*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Bi, Y., Jamalipour, A. (2012). Two-Phase Demand Response Based on Privacy-Preserving Billing for Smart Grid. *2012 International Conference on Wireless Communications and Signal Processing (WCSP 2012)*, Piscataway, New Jersey, United States of America: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

2011

- Ghaboosi, N., Jamalipour, A. (2011). 3D location estimation in urban cellular systems using the overhearing model. *2011 IEEE International Conference on Communications (ICC 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Shivshankar, S., Ma, Y., Jamalipour, A. (2011). A correlative study of cooperation enforcement mechanisms. *Australian Telecommunication Networks And Applications Conference (ATNAC 2011)*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hashim, F., Jamalipour, A. (2011). A generic sampling framework for improving anomaly detection in the next generation network. *Security and Communication Networks*, 4(8), 919-936. [More Information]
- Ghaboosi, N., Jamalipour, A. (2011). A modified COB technique for estimating location in cellular Systems with non-uniformly distributed population. *54th Annual IEEE Global Telecommunications Conference: "Energizing Global Communications" (GLOBECOM 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Javadi, F., Jamalipour, A. (2011). A multi-path cognitive resource management mechanism for QoS provisioning in wireless mesh networks. *Wireless Networks*, 17(1), 277-290. [More Information]
- Ahmed Surobhi, N., Ma, Y., Jamalipour, A. (2011). A semantic agglomerative traffic management framework for ubiquitous public safety networks. *2011 IEEE 22nd International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2011*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ahmed Surobhi, N., Ma, Y., Jamalipour, A. (2011). A semantic traffic management scheme for public safety applications in mobile ad hoc networks. *6th International Symposium on Wireless and Pervasive Computing (ISWPC 2011)*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Bai, F., Munasinghe, K., Jamalipour, A. (2011). Accuracy, latency, and energy cross-optimization in wireless sensor networks through infection spreading. *International Journal of Communication Systems*, 24(5), 628-646. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2011). An eco-inspired energy efficient access network architecture for next generation cellular systems. *2011 IEEE Wireless Communications and Networking Conference, WCNC 2011*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2011). Ecological competition based resource control for sustainable heterogeneous wireless networks. *2011 IEEE 22nd International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC 2011*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2011). Fastest distributed consensus on star-mesh hybrid sensor networks. *2011 IEEE International Conference on Communications (ICC 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2011). Fastest distributed consensus problem on fusion of two Star sensor networks. *IEEE Sensors Journal*, 11(10), 2494-2506. [More Information]
- Jafarizadeh, S., Jamalipour, A. (2011). Fastest mixing Markov chain on symmetric K-Partite sensor networks. *7th International Wireless Communications and Mobile Computing Conference (IWCWC 2011)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jamalipour, A., Ma, Y. (2011). *Intermittently Connected Mobile Ad Hoc Networks: from routing to content distribution*. New York: Springer.
- Boudour, G., Kacimi, R., Jamalipour, A., Mammeri, Z. (2011). MPEG-4 traffic prediction using density estimation for dynamic bandwidth allocation in IEEE 802.16 networks. *54th Annual IEEE Global Telecommunications Conference: "Energizing Global Communications" (GLOBECOM 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ma, Y., Jamalipour, A. (2011). Opportunistic geocast in disruption-tolerant networks. *54th Annual IEEE Global Telecommunications Conference: "Energizing Global Communications" (GLOBECOM 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ma, Y., Jamalipour, A. (2011). Opportunistic geocast in large scale intermittently connected mobile ad hoc networks. *The 17th Asia-Pacific Conference on Communications APCC 2011*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ma, Y., Jamalipour, A. (2011). Opportunistic virtual backbone construction in intermittently connected mobile ad hoc networks. *2011 IEEE International Conference on Communications (ICC 2011)*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jamalipour, A. (2011). Proxy discovery and resource allocation for cooperative multipath routing in cellular networks. *2011 IEEE Wireless Communications and Networking Conference, WCNC 2011*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

- Wang, S., Song, Q., Wang, X., Jamalipour, A. (2011). Rate and Power Adaptation for Analog Network Coding. *IEEE Transactions on Vehicular Technology*, 60(5), 2302-2313. [More Information]
- Hu, R., Qian, Y., Chen, H., Jamalipour, A. (2011). Recent progress in machine-to-machine communications. *IEEE Communications Magazine*, 49(4), 24-26. [More Information]
- Munasinge, K., Javadi, F., Jamalipour, A. (2011). Resource competition at the NGN core network: An ecologically inspired analysis. *ICT 2011 18th International Conference on Telecommunications*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jamalipour, A., Javadi, F., Munasinghe, K. (2011). Resource competition in a converged heterogeneous networking ecosystem. *Computer Networks*, 55(7), 1549-1559. [More Information]
- Ahmed Surobhi, N., Jamalipour, A. (2011). Sentiment based service selection in mobile ad hoc networks. *5th International Conference on Signal Processing and Communication Systems, ICSPCS 2011*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Wysocki, T., Jamalipour, A. (2011). Sharpe ratio based pricing of cognitive radio access. *2011 IEEE Wireless Communications and Networking Conference, WCNC 2011*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Wysocki, T., Jamalipour, A. (2011). Spectrum management in cognitive radio: Applications of portfolio theory in wireless communications. *IEEE Wireless Communications*, 18(4), 52-60. [More Information]
- Ghaboosi, N., Jamalipour, A. (2011). The geometry of overhearing and its application for location estimation in cellular networks. *IEEE Transactions on Vehicular Technology*, 60(7), 3324-3331. [More Information]
- ## 2010
- Hashim, F., Munasinghe, K., Jamalipour, A. (2010). A Biologically Inspired Framework for Mitigating Epidemic and Pandemic Attacks in the NGMN. *2010 IEEE Wireless Communications and Networking Conference (WCNC 2010)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ma, Y., Jamalipour, A. (2010). A Cooperative Cache-Based Content Delivery Framework for Intermittently Connected Mobile Ad Hoc Networks. *IEEE Transactions on Wireless Communications*, 9(1), 366-373. [More Information]
- Ghaboosi, N., Jamalipour, A. (2010). A Cooperative Cellular Architecture with Emphasis on Traffic Load Balancing. *2010 IEEE Wireless Communications and Networking Conference (WCNC 2010)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Bai, F., Munasinghe, K., Jamalipour, A. (2010). A Critical Observation Collection Method for Sensor Networks Inspired by Behavioral Ecology. *2010 IEEE 21st International Symposium on Personal Indoor and Mobile Radio Communications*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hashim, F., Munasinghe, K., Jamalipour, A. (2010). A Danger Theory Inspired Survivability Framework for the Next Generation Mobile Network. *IEEE Latin America Transactions (IEEE America Latina. Revista)*, 8(4), 358-369. [More Information]
- Javadi, F., Munasinghe, K., Jamalipour, A. (2010). A fast and reliable routing technique for wireless mesh networks. *Wireless Communications and Mobile Computing*, Online, 1-15. [More Information]
- Hashim, F., Jamalipour, A. (2010). A generic sampling framework for improving anomaly detection in the next generation network. *Security and Communication Networks*, 4(8), 919-936. [More Information]
- Javadi, F., Jamalipour, A. (2010). A multi-path cognitive resource management mechanism for QoS provisioning in wireless mesh networks. *Wireless Networks*, 17(1), 277-290. [More Information]
- Hossain, M., Munasinghe, K., Jamalipour, A. (2010). A Protocooperation-based Sleep-Wake Architecture for Next Generation Green Cellular Access Networks. *4th International Conference on Signal Processing and Communication Systems (ICSPCS2010)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Bai, F., Munasinghe, K., Jamalipour, A. (2010). Accuracy, latency, and energy cross-optimization in wireless sensor networks through infection spreading. *International Journal of Communication Systems*, 24(5), 628-646. [More Information]
- Munasinge, K., Jamalipour, A. (2010). An analytical evaluation of mobility management in integrated WLAN-UMTS networks. *Computers and Electrical Engineering*, 36(4), 735-751. [More Information]
- Bai, F., Munasinghe, K., Jamalipour, A. (2010). An Ecologically Inspired Intelligent Agent Assisted Wireless Sensor Network for Data Reconstruction. *2010 IEEE International Conference on Communications*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Hashim, F., Munasinghe, K., Jamalipour, A. (2010). Biologically Inspired Anomaly Detection and Security Control

- Frameworks for Complex Heterogeneous Networks. *IEEE Transactions on Network and Service Management*, 7(4), 268-281. [More Information]
- Kashibuchi, K., Jamalipour, A., Kato, N. (2010). Channel occupancy time based TCP rate control for improving fairness in IEEE 802.11 DCF. *IEEE Transactions on Vehicular Technology*, 59(6), 2974-2985. [More Information]
- Munasinghe, K., Jamalipour, A. (2010). Group Mobility Management for Vehicular Area Networks Roaming between Heterogeneous Networks. *2010 IEEE 72nd Vehicular Technology Conference*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Wysocki, T., Jamalipour, A. (2010). Mean-variance based QoS management in cognitive radio. *IEEE Transactions on Wireless Communications*, 9(10), 3281-3289. [More Information]
- Munasinghe, K., Jamalipour, A. (2010). NEtwork MObility (NEMO) support in Interworking Heterogeneous Mobile Networks. *2010 IEEE Wireless Communications and Networking Conference (WCNC 2010)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Nakayama, H., Jamalipour, A., Kato, N. (2010). Network-Based Traitor-Tracing Technique Using Traffic Pattern. *IEEE Transactions on Information Forensics and Security*, 5(2), 300-313. [More Information]
- Ma, Y., Jamalipour, A. (2010). Opportunistic Node Authentication in Intermittently Connected Mobile Ad Hoc Networks. *16th Asia-Pacific Conference on Communications (APCC 2010)*, Auckland: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Wysocki, T., Jamalipour, A. (2010). Pricing of Cognitive Radio Rights to Maintain the Risk-Reward of Primary User Spectrum Investment. *2010 IEEE Symposium on New Frontiers in Dynamic Spectrum*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Javadi, F., Munasinghe, K., Jamalipour, A. (2010). Rapid and Reliable Routing Mesh Protocol (RRRMP). *2010 IEEE International Conference on Communications*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Jamalipour, A. (2010). Route Optimization for Roaming Heterogeneous Multi-Homed Mobile Networks. *4th International Conference on Signal Processing and Communication Systems (ICSPCS2010)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Jamalipour, A. (2010). Wireless Internet. In H.Bidgoli (Eds.), *The Handbook of Technology Management*, (pp. 510-524). New Jersey: John Wiley & Sons.
- Jamalipour, A., Azim, M. (2010). Wireless Sensor Networks-Routing Protocols. In Dharma P Agrawal, Bin Xie (Eds.), *Encyclopedia of AD HOC and Ubiquitous Computing: Theory And Design Of Wireless Ad Hoc, Sensor, And Mesh Networks*, (pp. 219-255). Singapore: World Scientific Publishing.
- ## 2009
- Javadi, F., Jamalipour, A. (2009). A cognitive approach for performance enhancement of wireless mesh networks. *IEEE Global Telecommunications Conference 2009 GLOBECOM*, United States of America: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Nakayama, H., Kurosawa, S., Jamalipour, A., Nemoto, Y., Kato, N. (2009). A dynamic anomaly detection scheme for AODV-based mobile ad hoc networks. *IEEE Transactions on Vehicular Technology*, 58(5), 2471-2481. [More Information]
- Bai, F., Jamalipour, A. (2009). A novel selective node based aggregation procedure for wireless sensor networks. *The 20th Personal, Indoor and Mobile Radio Communications Symposium PIMRC2009*, Tokyo, Japan: PIMRC. [More Information]
- Qi, M., Jamalipour, A. (2009). A safety message dissemination framework for VANETs. *International Conference on Next Generation Wireless Systems NGWS 2009*, Australia: International Conference on Next Generation Wireless Systems.
- Hashim, F., Munasinghe, K., Jamalipour, A. (2009). A Survivability Framework for the NGMN: Inspirations from the Human Immune System. *IEEE Latin-American Conference on Communications 2009 (IEEE LatinCom 2009)*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Ma, Y., Jamalipour, A. (2009). An epidemic P2P content search mechanism for intermittently connected mobile ad hoc networks. *IEEE Global Telecommunications Conference 2009 GLOBECOM*, United States of America: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Azim, M., Kibria, M., Jamalipour, A. (2009). An optimized forwarding protocol for lifetime extension of wireless sensor networks. *Wireless Communications and Mobile Computing*, 9(1), 103-115. [More Information]
- Simkhada, K., Taleb, T., Waizumi, Y., Jamalipour, A., Nemoto, Y. (2009). Combating against internet worms in large-scale networks: an autonomic signature-based solution. *Security and Communication Networks*, 2(1), 11-28. [More Information]
- Ma, Y., Jamalipour, A. (2009). Cooperative content dissemination in intermittently connected networks. *2009 IEEE International Conference on Communication ICC 2009*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Taleb, T., Jamalipour, A., Nemoto, Y., Kato, N. (2009).

DEMAPS: A load-transition-based mobility management scheme for an efficient selection of MAP in mobile IPv6 networks. *IEEE Transactions on Vehicular Technology*, 58(2), 954-965. [More Information]

Munasinghe, K., Jamalipour, A. (2009). Evaluation of Session Handoffs in a Heterogeneous Mobile Network for Pareto based Packet Arrivals. *2009 IEEE Wireless Communications and Networking conference*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Taleb, T., Mashimo, D., Jamalipour, A., Kato, N., Nemoto, Y. (2009). Explicit load balancing technique for NGEO satellite IP networks with on-board processing capabilities. *IEEE-ACM Transactions on Networking*, 17(1), 281-293. [More Information]

Hashim, F., Jamalipour, A. (2009). Forecasting-based sampling decision for accurate and scalable anomaly detection. *IEEE Global Telecommunications Conference 2009 GLOBECOM*, United States of America: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Kibria, M., Jamalipour, A. (2009). Game theoretic outage compensation in next generation mobile networks. *IEEE Transactions on Wireless Communications*, 8(5), 2602-2608. [More Information]

Munasinghe, K., Jamalipour, A. (2009). *Heterogeneous Wireless Mobile Networks: Architectures, Protocols and Standards*. Germany: VDM Verlag Dr Muller.

Munasinghe, K., Jamalipour, A. (2009). Interworked WiMAX-3G cellular data networks: an architecture for mobility management and performance evaluation. *IEEE Transactions on Wireless Communications*, 8(4), 1847-1853. [More Information]

Zheng, J., Jamalipour, A. (2009). Introduction to wireless sensor networks. In Jun Zheng and Abbas Jamalipour (Eds.), *Wireless Sensor networks: A Networking Perspective*, (pp. 1-18). New Jersey, USA: John Wiley & Sons.

Wysocki, T., Jamalipour, A. (2009). MAC framework for intermittently connected cognitive radio networks. *The 20th Personal, Indoor and Mobile Radio Communications Symposium PIMRC2009*, Tokyo, Japan: PIMRC. [More Information]

Javadi, F., Jamalipour, A. (2009). Multi-path routing for a cognitive wireless mesh network. *IEEE Radio and Wireless Symposium, 2009 RWS'09*, Piscataway, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hashim, F., Jamalipour, A. (2009). On accurate and scalable anomaly detection in next generation mobile networks. *2009 IEEE International Conference on Communication ICC 2009*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Ma, Y., Jamalipour, A. (2009). Optimized message delivery framework using fuzzy logic for intermittently connected mobile ad hoc networks. *Wireless Communications and Mobile*

Computing, 9(4), 501-512. [More Information]

Wysocki, T., Jamalipour, A. (2009). Portfolio selection based power allocation in OFDM cognitive radio networks. *3rd International Conference on Signal Processing and Communication Systems, ICSPCS2009*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Wang, R., Taleb, T., Jamalipour, A., Sun, B. (2009). Protocols for reliable data transport in space internet. *IEEE Communications Surveys and Tutorials*, 11(2), 21-32. [More Information]

Zheng, J., Jamalipour, A. (2009). *Wireless Sensor networks: A Networking Perspective*. New Jersey, USA: John Wiley & Sons.

2008

Bai, F., Jamalipour, A. (2008). 3D-DCT Data Aggregation Technique for Regularly Deployed Wireless Sensor Networks. *2008 IEEE International Conference on Communications (ICC)*, New Jersey, NY: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Hashim, F., Kibria, M., Jamalipour, A. (2008). A Detection and Recovery Architecture Against DoS and Worm Attacks in NGMN. *2008 IEEE International Conference on Communications (ICC)*, New Jersey, NY: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Ma, Y., Kibria, M., Jamalipour, A. (2008). A Fuzzy Logic-Based Delivery Framework for Optimized Routing in Mobile Ad Hoc Network. *International Wireless Communication and Mobile Computing Conference (IWCMC 2008)*, USA: (IEEE) Institute of Electrical and Electronics Engineers.

Song, Q., Jamalipour, A. (2008). A Quality of Service Negotiation-Based Vertical Handoff Decision Scheme in Heterogeneous Wireless Systems. *European Journal of Operational Research*, 191(3), 1059-1074. [More Information]

Hashim, F., Jamalipour, A. (2008). Adaptive Sampling Strategy for Accurate and Scalable Anomaly Detection in NGMN. *2nd International Conference on Signal Processing and Communication Systems, ICSPCS2008*, Gold Coast, Australia: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Munasinghe, K., Jamalipour, A. (2008). An Architecture for Mobility Management in Interworked 3G Cellular and WiMAX Networks. *Seventh Annual Wireless Telecommunications Symposium (WTS 2008)*, Pomona, California, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Munasinghe, K., Jamalipour, A. (2008). Analysis of Signaling Cost for a Roaming User in a Heterogeneous Mobile Data Network. *2008 IEEE Global Telecommunications Conference GLOBECOM 2008*, New Orleans, LA, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

- Munasinghe, K., Jamalipour, A. (2008). Analysis of Vertical Session Handoff for Self-Similar Traffic in a Heterogeneous Mobile Data Network. *2nd International Conference on Signal Processing and Communication Systems, ICSPCS2008*, Gold Coast, Australia: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Jamalipour, A. (2008). Analytical Modeling of IMS based Interworking in Heterogeneous Mobile Data Networks. *International Conference on Signal Processing and Communication Systems, ICSPCS2007*, Tarrawanna, NSW Australia: DSP for Communication Systems.
- Javadi, F., Kibria, M., Jamalipour, A. (2008). Bilateral Shapley Value Based Cooperative Gateway Selection in Congested Wireless Mesh Networks. *2008 IEEE Global Telecommunications Conference GLOBECOM 2008*, New Orleans, LA, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Kibria, M., Jamalipour, A. (2008). Bounded Dimensioning of Multitraffic Next-Generation Mobile Networks. *IEEE Transactions on Vehicular Technology*, 57(3), 1957-1963. [More Information]
- Ma, Y., Kibria, M., Jamalipour, A. (2008). Cache-Based Content Delivery in Opportunistic Mobile Ad Hoc Networks. *2008 IEEE Global Telecommunications Conference GLOBECOM 2008*, New Orleans, LA, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Azim, M., Kibria, M., Jamalipour, A. (2008). Designing an Application-Aware Routing Protocol for Wireless Sensor Networks. *2008 IEEE Global Telecommunications Conference GLOBECOM 2008*, New Orleans, LA, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Kibria, M., Jamalipour, A. (2008). Designing VoIP Session Management Over Interworked WLAN-3G Networks. *IEEE Wireless Communications*, 15(4), 86-94. [More Information]
- Xin, F., Jamalipour, A. (2008). Detecting Spurious Timeouts in Wireless Cellular Networks Using DS-Agent. *Wireless Communications and Mobile Computing*, 8(2), 267-275. [More Information]
- Hashim, F., Kibria, M., Jamalipour, A. (2008). Detection of DoS and DDoS Attacks in NGMN Using Frequency Domain Analysis. *The 14th Asia-Pacific Conference on Communications (APCC2008)*, Akihabara, Tokyo, Japan: (IEEE) Institute of Electrical and Electronics Engineers.
- Javadi, F., Kibria, M., Jamalipour, A. (2008). Distributed Scheduling based Dimensioning Mechanism for Wireless Mesh Networks. *International Conference on Signal Processing and Communication Systems, ICSPCS2007*, Tarrawanna, NSW Australia: DSP for Communication Systems.
- Wada, T., Okada, H., Jamalipour, A., Ohuchi, K., Saito, M. (2008). Effect of Route Diversity by Employing Turbo Coding in Multi-Hop Ad Hoc and Mesh Networks. *International Journal of Sensor Networks (IJSNet)*, 3(2), 75-83. [More Information]
- Information]
- Hashim, F., Kibria, M., Magoni, D., Jamalipour, A. (2008). Hierarchical Security Architecture for Next Generation Mobile Networks. *International Conference on Signal Processing and Communication Systems, ICSPCS2007*, Tarrawanna, NSW Australia: DSP for Communication Systems.
- Skordoulis, D., Ni, Q., Chen, H., Stephens, A., Liu, C., Jamalipour, A. (2008). IEEE 802.11N MAC Frame Aggregation Mechanisms for Next-Generation High-Throughput WLANs. *IEEE Wireless Communications*, 15(1), 40-47. [More Information]
- Munasinghe, K., Jamalipour, A. (2008). Interworking of WLAN-UMTS networks: An IMS-Based Platform for Session Mobility. *IEEE Communications Magazine*, 46(9), 184-191. [More Information]
- Kibria, M., Jamalipour, A. (2008). Lossy Utility Based Outage Compensation in Next Generation Networks. *First ITU-T Kaleidoscope Academic Conference - Innovations in NGN - Future Network and Services (K-INGN 2008)*, Geneva, Switzerland: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Munasinghe, K., Jamalipour, A. (2008). Mobility Management QoS Measures Evaluation for Next Generation Mobile Data Networks. In Silvano Pupolin (Eds.), *Wireless Communications 2007 CNIT Thyrrenian Symposium*, (pp. 265-279). USA: Springer.
- Yagi, S., Waizumi, Y., Tsunoda, H., Jamalipour, A., Kato, N., Nemoto, Y. (2008). Network Application Identification Using Transition Pattern of Payload Length. *2008 IEEE Wireless Communication and Networking Conference WCNC 2008*, United States: (IEEE) Institute of Electrical and Electronics Engineers.
- Ma, Y., Kibria, M., Jamalipour, A. (2008). Optimized Routing Framework for Intermittently Connected Mobile Ad Hoc Networks. *2008 IEEE International Conference on Communications (ICC)*, New Jersey, NY: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Kashibuchi, K., Taleb, T., Jamalipour, A., Nemoto, Y., Kato, N. (2008). Performance Enhancement of TCP Over Adaptive Multi-Rate IEEE 802.11 Wireless LANs. *2008 IEEE Radio and Wireless Symposium (RWS 2008)*, Orlando, Florida, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Bai, F., Jamalipour, A. (2008). Performance Evaluation of Optimal Sized Cluster Based Wireless Sensor Networks with Correlated Data Aggregation Consideration. *33rd Annual IEEE Conference on Local Computer Networks - LCN 2008*, Montreal, Canada: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Kannhavong, B., Nakayama, H., Nemoto, Y., Kato, N., Jamalipour, A. (2008). SA-OLSR: Security Aware Optimized Link State Routing for Mobile Ad Hoc Networks. *2008 IEEE International Conference on Communications (ICC)*, New Jersey, NY: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

- href="http://dx.doi.org/10.1109/ICC.2008.283">[More Information]
- Alagoz, F., Jamalipour, A. (2008). Satellites in IP Networks. In H. Bidgoli (Eds.), *The Handbook of Computer Networks*, (pp. 860-876). Hoboken, New Jersey: John Wiley & Sons.
- Hashim, F., Kibria, M., Jamalipour, A. (2008). Securing the Next Generation Mobile Network. *Security and Communication Networks*, 1(1), 25-43. [More Information]
- Sakhaee, E., Jamalipour, A. (2008). Stable Clustering and Communications in Pseudolinear Highly Mobile Ad Hoc Networks. *IEEE Transactions on Vehicular Technology*, 57(6), 3769-3777. [More Information]
- Jamalipour, A. (2008). Wireless Internet. In H. Bidgoli (Eds.), *The Handbook of Computer Networks*, (pp. 1000-1017). Hoboken, New Jersey: John Wiley & Sons.
- ## 2007
- Munasinghe, K., Jamalipour, A. (2007). A 3GPP-IMS based Approach for Converging Next Generation Mobile Data Networks. *2007 IEEE International Conference on Communications (ICC 2007)*, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]
- Sakhaee, E., Jamalipour, A. (2007). A New Stable Clustering Scheme for Pseudo-Linear Highly Mobile Ad Hoc Networks. *GLOBECOM 2007 - 2007 IEEE Global Telecommunications Conference*, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Sakhaee, E., Taleb, T., Jamalipour, A., Kato, N., Nemoto, Y. (2007). A Novel Scheme to Reduce Control Overhead and Increase Link Duration in Highly Mobile Ad Hoc Networks. *WCNC 2007 - IEEE Wireless Communications and Networking Conference - Wireless Gateway*, Piscataway, NJ 08855-1331 USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Taleb, T., Sakhaee, E., Jamalipour, A., Hashimoto, K., Kato, N., Nemoto, Y. (2007). A Stable Routing Protocol to Support ITS Services in VANET Network. *IEEE Transactions on Vehicular Technology*, 56(6, Part 1 of 2 Parts), 3337-3347. [More Information]
- Kannhavong, B., Nakayama, H., Kato, N., Jamalipour, A., Nemoto, Y. (2007). A Study of a routing attack in OLSR-based mobile ad hoc networks. *International Journal of Communication Systems*, 20(11), 1245-1261. [More Information]
- Kannhavong, B., Nakayama, H., Nemoto, Y., Kato, N., Jamalipour, A. (2007). A survey of routing attacks in mobile Ad Hoc networks. *IEEE Wireless Communications*, 14(5), 85-91. [More Information]
- Munasinghe, K., Jamalipour, A. (2007). A Unified Mobility and Session Management Platform for Next Generation Mobile Networks. *GLOBECOM 2007 - 2007 IEEE Global Telecommunications Conference*, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

- Tsunoda, H., Jamalipour, A., Nemoto, Y. (2007). An adaptive stream allocation method for improving SCTP performance over LEO Satellite networks. *25th AIAA International Communications Satellite Systems Conference (ICSSC)*, Seoul, Korea: American Institute of Aeronautics and Astronautics (AIAA).
- Kurosawa, S., Hidehisa, N., Kato, N., Jamalipour, A., Nemoto, Y. (2007). Detecting blackhole attack on AODV-based mobile ad hoc networks by Dynamic Learning Method. *International Journal of Network Security*, 5(3), 338-346.
- Alagoz, F., Korcak, O., Jamalipour, A. (2007). Exploring the routing strategies in next-generation satellite networks. *IEEE Wireless Communications*, 14(3), 79-88. [More Information]
- Nakayama, H., Ansari, N., Jamalipour, A., Kato, N. (2007). Fault-resilient sensing in wireless sensor networks. *Computer Communications*, 30(11-12), 2375-2384. [More Information]
- Waizumi, Y., Jamalipour, A., Nemoto, Y. (2007). Network Application Identification Based on Transition Pattern of Packets. *WRECOM 2007 - Wireless Rural and Emergency Communications Conference*, Piscataway, NJ 08855-1331 USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Chen, H., Yeh, Y., BI, Q., Jamalipour, A. (2007). On a MIMO-based open wireless architecture: Space-time complementary coding. *IEEE Communications Magazine*, 45(2), 104-112. [More Information]
- Nakayama, H., Ansari, N., Jamalipour, A., Nemoto, Y., Kato, N. (2007). On Data Gathering and Security in Wireless Sensor Networks. *2007 IEEE Sarnoff Symposium*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Kibria, M., Jamalipour, A. (2007). On designing issues of the next generation mobile network. *IEEE Network*, 21(1), 6-13. [More Information]
- Azim, M., Jamalipour, A. (2007). Performance Evaluation of Optimized Forwarding Strategy for Flat Sensor Networks. *GLOBECOM 2007 - 2007 IEEE Global Telecommunications Conference*, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Tsunoda, H., Kato, N., Jamalipour, A., Nemoto, Y. (2007). Performance Evaluation of SCTP with Adaptive Multistreaming over LEO Satellite Networks. *IWSSC 07 International Workshop on Satellite and Space Communications (IWSSC 2007)*, Austria: (IEEE) Institute of Electrical and Electronics Engineers.
- Wada, T., Ohuchi, K., Jamalipour, A., Okada, H., Saito, M. (2007). Performance Evaluation of Wireless Sensor Networks Using Turbo Codes with Multi-Route Transmission. *2007 IEEE International Conference on Communications (ICC 2007)*, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Korcak, O., Alagoz, F., Jamalipour, A. (2007). Priority-based adaptive routing NGEO satellite networks. *International Journal of Communication Systems*, 20(3), 313-333. [More Information]
- Jamalipour, A. (2007). Secured wireless communications (Message from the Editor-in-Chief). *IEEE Wireless Communications*, 14(5), 2-3. [More Information]

2006

- Kannhavong, B., Nakayama, H., Kato, N., Nemoto, Y., Jamalipour, A. (2006). A Collusion Attack Against OLSR-based Mobile Ad Hoc Networks. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Taleb, T., Nishiyama, H., Jamalipour, A., Kato, N., Nemoto, Y. (2006). A fair TCP-based congestion avoidance approach for one-to-many private networks. *2006 IEEE International Conference on Communications (ICC 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Simkhada, K., Taleb, T., Waizumi, Y., Jamalipour, A., Hashimoto, K., Kato, N., Nemoto, Y. (2006). A multi-level security based autonomic parameter selection approach for an effective and early detection of internet worms. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Song, Q., Jamalipour, A. (2006). A negotiation-based network selection scheme for next-generation mobile systems. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Kashibuchi, K., Taleb, T., Jamalipour, A., Nemoto, Y., Kato, N. (2006). A new smooth handoff scheme for mobile multimedia streaming using RTP dummy packets and RTCP explicit handoff notification. *IEEE Wireless Communications and Networking Conference 2006 (WCNC 2006)*, Piscataway, NJ USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Song, Q., Jamalipour, A. (2006). A Time-Adaptive Vertical Handoff Decision Scheme in Wireless Overlay Networks. *17th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'06)*, Toronto, Ontario, Canada: (IEEE) Institute of Electrical and Electronics Engineers.
- Kibria, M., Jamalipour, A., Mirchandani, V. (2006). Adaptive antenna array based MT-controlled three-step vertical handoff scheme for B3G networks. *First International Conference on Next-Generation Wireless Systems (ICNEWS'06)*, Bangladesh: ICNEWS 2006.
- Hardjawana, W., Vucetic, B., Jamalipour, A. (2006). Adaptive beamforming and modulation for OFDM in co-working wlans with ack eigen-steering. *17th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'06)*, Toronto, Ontario, Canada: (IEEE) Institute of Electrical and Electronics Engineers.
- Sakhaee, E., Jamalipour, A., Kato, N. (2006). Aeronautical ad hoc networks. *IEEE Wireless Communications and Networking Conference 2006 (WCNC 2006)*, Piscataway, NJ USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Simkhada, K., Taleb, T., Waizumi, Y., Jamalipour, A., Kato, N., Nemoto, Y. (2006). An efficient signature-based approach for automatic detection of internet worms over large-scale networks. *2006 IEEE International Conference on Communications (ICC 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Taleb, T., Ochi, M., Jamalipour, A., Kato, N., Nemoto, Y. (2006). An efficient vehicle-heading based routing protocol for VANET networks. *IEEE Wireless Communications and Networking Conference 2006 (WCNC 2006)*, Piscataway, NJ USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Kannhavong, B., Nakayama, H., Kato, N., Nemoto, Y., Jamalipour, A. (2006). Analysis of the node isolation attack against OLSR -based Mobile Ad Hoc Networks. *7th International Symposium on Computer Networks, USA: (IEEE) Institute of Electrical and Electronics Engineers.*
- Wada, T., Okada, H., Jamalipour, A., Ohuchi, K., Saito, M. (2006). Bit-error-rate performance improvement in wireless multi-hop ad hoc networks using route diversity considerations. *2006 IEEE International Conference on Communications (ICC 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Taleb, T., Nait-Abdesselam, F., Jamalipour, A., Hashimoto, K., Kato, N., Nemoto, Y. (2006). Design guidelines for a global and self-managed LEO satellites-based sensor network. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Kibria, M., Jamalipour, A. (2006). Dimensioning of hierarchical B3G networks with multiple classes of traffic. *AUSWireless 06: 1st Australian Conference on Wireless Broadband and Ultra Wideband Communications*, Sydney: UTS Library.
- Wada, T., Jamalipour, A., Ohuchi, K., Okada, H., Saito, M. (2006). Effect of unequal power allocation in turbo coded multi-route multi-hop networks. *Journal of Telecommunications and Information Technology*, 1(1), 46-53.
- Taleb, T., Mashimo, D., Jamalipour, A., Hashimoto, K., Nemoto, Y., Kato, N. (2006). ELB: An explicity load balancing routing protocol for multi-hop NGEO satellite constellations. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Jamalipour, A., Lorenz, P. (2006). End-to-end QoS support for IP and multimedia traffic in heterogeneous mobile networks. *Computer Communications*, 29(6), 671-682. [More Information]
- Nishiyama, H., Taleb, T., Nemoto, Y., Jamalipour, A., Kato, N. (2006). Enhancements of T-REFWA to mitigate link error-related degradations in hybrid wired/wireless networks. *Journal of Communications and Networks*, 8(4), 391-400. [More Information]
- Kibria, M., Jamalipour, A. (2006). Fair call admission control for prioritizing vertical handoff in multi-traffic B3G networks. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.
- Santoso, A., Tang, Y., Vucetic, B., Jamalipour, A., Li, Y. (2006). Interference cancellation in coexisting wireless local area networks. *10th IEEE Singapore International Conference on Communication Systems (ICCS 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Munasinghe, K., Jamalipour, A., Vucetic, B. (2006). Interworking between WLAN and 3G Cellular Networks: An IMS Based Architecture. *AUSWireless 06: 1st Australian Conference on Wireless Broadband and Ultra Wideband Communications*, Sydney: UTS Library.
- Sakhaee, E., Jamalipour, A., Kato, N. (2006). Multipath doppler routing with QoS support in pseudo-linear highly mobile ad hoc networks. *2006 IEEE International Conference on Communications (ICC 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.
- Nguyen, T., Jamalipour, A., Krief, F., Pujolle, G. (2006). NetApp: Autonomic Network-based application architecture for creating new value-added services. *International Journal of Business Data Communications and Networking*, 2(1), 1-14.
- Tsunoda, H., Dharmaratn, U., Kato, N., Jamalipour, A.,

Nemoto, Y. (2006). Network Controlled Handover for Improving TCP Performance in LEO Satellite Networks. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.

Azim, M., Jamalipour, A. (2006). Optimized Forwarding for Wireless Sensor Networks by Fuzzy Inference System. *AUSWireless 06: 1st Australian Conference on Wireless Broadband and Ultra Wideband Communications*, Sydney: UTS Library.

Wada, T., Jamalipour, A., Okada, H., Ohuchi, K., Saito, M. (2006). Performance of Channel Information Estimation Method Utilizing Parity Check Bits for Turbo Coded Multi-route Multi-hop Networks. *2006 IEEE International Conference on Communications (ICC 2006)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.

Kashibuchi, K., Taleb, T., Jamalipour, A., Nemoto, Y., Kato, N. (2006). Prioritization-based layered multicast for fixed/mobile networks with fast convergence and inter-session fairness. *Journal of Communications Software and Systems*, 2(2), 89-98.

Xin, F., Jamalipour, A. (2006). TCP performance in wireless networks with delay spike and different initial congestion window sizes. *Computer Communications*, 29(8), 926-933. [More Information]

Dobashi, M., Nakayama, H., Kato, N., Nemoto, Y., Jamalipour, A. (2006). Traitor Tracing Technology of Streaming Contents Delivery using Traffic Pattern in Wired/Wireless Environments. *2006 Global Telecommunications Conference - IEEE GLOBECOM 2006*, Piscataway, NJ: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Azim, M. (2006). Two-layer optimized forwarding for cluster-based sensor networks. *17th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications (PIMRC'06)*, Toronto, Ontario, Canada: (IEEE) Institute of Electrical and Electronics Engineers.

2005

Kibria, M., Mirchandani, V., Jamalipour, A. (2005). A consolidated architecture for 4G/B3G networks. *2005 IEEE Wireless Communications and Networking Conference WCNC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Taleb, T., Jamalipour, A., Kato, N., Nemoto, Y. (2005). A Global Video-on-Demand Architecture Based on a Novel Constellation Composed of Quasi-Geostationary Satellites. *The 7th IFIP International Conference on Mobile and Wireless Communications Networks - MWCN 2005*, Berlin Heidelberg: Springer.

Kibria, M., Jamalipour, A., Mirchandani, V. (2005). A Location Aware Three-Step Vertical Handoff Scheme for 4G/B3G Networks. *IEEE Global Telecommunications Conference GLOBECOM 2005*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.

Song, Q., Jamalipour, A. (2005). A Network Selection Mechanism for Next Generation Networks. *2005 IEEE International Conference on Communications ICC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Kurosawa, S., Nakayama, H., Kato, N., Jamalipour, A., Nemoto, Y. (2005). A Self-adaptive Intrusion Detection Method for AODV-based Mobile Ad Hoc Networks. *The Second IEEE International Conference on Mobile AD-Hoc and Sensor Systems - MASS 2005*, Piscataway: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Wada, T., Yamazato, T. (2005). A tutorial on multiple access technologies for beyond 3G mobile networks. *IEEE Communications Magazine*, 43(2), 110-117. [More Information]

Sakhaei, E., Jamalipour, A. (2005). Aerouter TM - A Graphical Simulation Tool for Routing in Aeronautical Systems. *2005 IEEE Wireless Communications and Networking Conference WCNC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Song, Q., Jamalipour, A. (2005). An adaptive quality-of-service network selection mechanism for heterogeneous mobile networks. *Wireless Communications and Mobile Computing*, 5(6), 697-708. [More Information]

Azim, M., Jamalipour, A. (2005). An Efficient Elliptic Curve Cryptography based Authenticated Key Agreement Protocol for Wireless LAN Security. *IEEE Workshop on High Performance Switching and Routing - HPSR 2005*, Hong Kong, China: (IEEE) Institute of Electrical and Electronics Engineers.

Mirchandani, V., Kibria, M., Jamalipour, A. (2005). An Open-System 4G/B3G Network Architecture. *2005 IEEE International Conference on Communications ICC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Nguyen, T., Jamalipour, A., Pujolle, G. (2005). Archises-middleware architecture for service creation in wireless sensor networks. *IEEE International Conference on Wireless and Mobile Computing, Networking and Communications - WiMob2005*, Canada: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Mirchandani, V., Kibria, M. (2005). Dimensioning of an enhanced 4G/B3G infrastructure for voice traffic. *2005 IEEE 16th International Symposium on Personal, Indoor and Mobile Radio Communications PIMRC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

Wada, T., Jamalipour, A., Okada, H., Ohuchi, K., Saito, M. (2005). Effect of Parity Check Bits in Turbo Coded Multi-route multi-hop Networks. *IEEE Global Telecommunications Conference GLOBECOM 2005*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.

Taleb, T., Jamalipour, A., Kato, N., Nemoto, Y. (2005). IP Traffic Load Distribution in NGEO Broadband Satellite Networks - (Invited Paper). *20th International Symposium on Computer and Information Sciences- ISICS 2005*, Berlin Heidelberg: Springer.

Jamalipour, A., Marchese, M. (2005). Key technologies and applications of present and future satellite communications. *IEEE Wireless Communications*, 12(5). [More Information]

Song, Q., Jamalipour, A. (2005). Network selection in an integrated wireless LAN and UMTS environment using mathematical modeling and computing techniques. *IEEE Wireless Communications*, 12(3), 42-48. [More Information]

Wada, T., Nakagawa, N., Okada, H., Jamalipour, A., Ohuchi, K., Saito, M. (2005). Performance improvement of turbo coded multi-route multi-hop networks using parity check codes. *IEEE*

Workshop on High Performance Switching and Routing - HPSR 2005, Hong Kong, China: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Mirchandani, V., Kibria, M. (2005). QoS-aware mobility support architecture for next generation mobile networks. *Wireless Communications and Mobile Computing*, 5(8), 887-898. [More Information]

Tung, T., Jamalipour, A. (2005). QoS-driven Rate Control Strategies for W-CDMA Systems. *2005 IEEE Wireless Communications and Networking Conference WCNC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Fry, R., Jamalipour, A. (2005). Service based CAC with QoS guarantee in mobile wireless cellular networks. *International Journal of Communication Systems*, 18(9), 817-831. [More Information]

Xin, F., Jamalipour, A. (2005). TCP throughput and fairness performance in presence of delay spikes in wireless networks. *International Journal of Communication Systems*, 18(4), 395-407. [More Information]

Xin, F., Jamalipour, A. (2005). TCP Throughput Performance and Fairness in Wireless Networks under Spurious Timeouts. *2005 IEEE International Conference on Communications ICC 2005*, United States: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Valaee, S. (2005). Toward seamless internetworking of wireless LAN and cellular networks. *IEEE Wireless Communications*, 12(3). [More Information]

Jamalipour, A. (2005). Wireless Internet: A Cellular Perspective. In Hossein Bidgoli (Eds.), *The Handbook of Information Security*, (pp. 732-753). New York: Wiley.

Jamalipour, A. (2005). Wireless IP through integration of wireless LAN and cellular networks. *Computer Networks*, 47(2), 147-150.

2004

Kim, S., Jamalipour, A. (2004). A Flow Control Scheme Using Broadcast Information For Internet Services In Multiple-Beam Satellite Networks. *IEEE Journal on Selected Areas in Communications*, 22(3), 482-491. [More Information]

Jamalipour, A., Fry, R., Wada, T. (2004). A Service-Based Call Admission Control Technique With Qos Guarantee In Wideband Cdma Networks. *CIC 2004*, Korea: ETRI.

Wada, T., Ohuchi, K., Okada, H., Saito, M., Jamalipour, A. (2004). A Study On Effect Of Turbo Codes With Unequal Power Allocation On Multi-Hop Networks. *WITSP '04*, USA: The University of Mississippi.

Tung, T., Jamalipour, A. (2004). Adaptive Directional-Aware Location Update Strategy. *International Journal of Communication Systems*, 17(2), 141-161.

Tung, T., Jamalipour, A. (2004). Adaptive Location Management Strategy To The Distance-Based Location Update Technique For Cellular Networks. *Wireless Communications and Networking Conference, 2004*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers.

Xin, F., Jamalipour, A. (2004). Analysis Of The Effect Of Delay Spike And Initial Congestion Window Size On Tcp Performance In Wireless Cellular Networks. *2004 International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS'04)*. Society for Modeling and Simulation International.

Jamalipour, A. (2004). Heterogeneous Architecture Technologies Among Cellular And Ip Networks. *9th CDMA International Conference (CIC2004)*. Association Historique Internationale de l'Ocan Indien.

Song, Q., Jamalipour, A. (2004). Quality Of Service Provisioning In Wireless LAN/UMTS Integrated Systems Using Analytic Hierarchy Process And Grey Relational Analysis. *2004 IEEE Global Telecommunications Conference Workshops (GlobeCom)*, Piscataway, NJ, USA: (IEEE) Institute of Electrical and Electronics Engineers. [More Information]

2002

Tung, Y., Jamalipour, A. (2002). A novel sectional paging strategy for PCS networks. *IEEE Globecom 2002: The World Converges*, Taiwan: (IEEE) Institute of Electrical and Electronics Engineers.

Jamalipour, A., Tung, Y. (2002). Broadband satellites and third generation wireless networks. *Satellite Communication Letter*, 11(2), 1-12.

Jamalipour, A., Lorenz, P., Khotimsky,, D. (2002). IP-Oriented Quality of Service. *IEEE Communications Magazine*, , 28-29. [More Information]

Kim, J., Jamalipour, A. (2002). Measurement-based admission control for wireless IP networks. *SPECTS 2002*, San Diego, USA: Simulation Councils, Inc.

Jamalipour, A., Tekinay, S. (2002). Next-generation broadband wireless networks and navigation services. *IEEE Communications Magazine*, , 110-111. [More Information]

2001

Ding, W., Jamalipour, A. (2001). A new explicit loss notification with acknowledgment for wireless TCP. *PIMRC 2001*, Australia: UNSW Australian Defence Force Academy.

Chen, J., Jamalipour, A. (2001). A smooth routing algorithm based on traffic oriented path preserved scheme for mobile satellite networks. *IEEE Globecom 2001 The evolving global communications network*, Australia: UNSW Australian Defence Force Academy.

Chen, J., Jamalipour, A. (2001). Adaptive channel management for routing and handoff in broadband WATM mobile satellite networks. *2001 IEEE International Conference on Communications Record*, : UNSW Australian Defence Force Academy. [More Information]

Jamalipour, A. (2001). Broad-band satellite networks - the global IT bridge. *Proceedings of the IEEE*, 89, 88-104.

Jamalipour, A., Kim,, S. (2001). Congestion control for best-effort services in wireless access network. *ICATM 2001*, : Ads & Adeia.

Ding, W., Jamalipour, A. (2001). Delay performance of the new explicit loss notification TCP technique for wireless networks.

Jamalipour, A., Tekinay, S. (2001). Fourth generation wireless networks and interconnecting standards. *IEEE Wireless Communications*, 8(5), 8-9.

Tung, Y., Jamalipour, A. (2001). Location management strategies for wireless networks - a comparison study on system utilization. *ICC2001*, : UNSW Australian Defence Force Academy.

Jamalipour, A., Tung, Y. (2001). The role of satellites in global IT: trends and implications. *IEEE Wireless Communications*, 8(3), 5-11.

Kim, J., Jamalipour, A. (2001). Traffic management and QoS provisioning in future wireless IP networks. *IEEE Wireless Communications*, 8(5), 46-55.

Jamalipour, A. (2001). Wireless broadband multimedia and IP applications via mobile atm satellites. In Sirin Tekinay (Eds.), *Next Generation Wireless Networks*, (pp. 65-108). Usa: Sage Publications.