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h-index (Scopus):

13

Citations (Scopus):

584

Supervised PhD Theses

#	Thesis title	By	Date
1	providing an approach for fault tolerance improvement against transient faults in the operating system level of space multitask embedded systems based on commercial off-the shelf boards	Seyyed Amir Asghari Tochae & Hassan Taheri	July 2013
2	Optimal radio resource allocation in OFDMA-based wireless networks	Mohammad Fathi & Hassan Taheri	December 2010
3	Scheduling and buffer management for guaranteed QoS:A model predictive control approach	Mehran Mahramian Moallem & Hassan Taheri	May 2006
4	Zone-Based Routing Algorithm For Scalable Wireless Ad Hos Networks	Reza Purtoosi & Hassan Taheri	February 2006

Supervised MSc Theses

#	Thesis title	By	Date
1	Task assignment algorithm for collective AI execution in IoT devices	Zahra Aghapour Gangalabadi & Hassan Taheri	September 2021
2	3D layout recovery from 360 images	Arian Sabaghi Khameneh & Hassan Taheri	August 2021

3	Diagnosis of Melanoma in Dermoscopy Image using deep learning networks	Sajjad Mohaghegh & Hassan Taheri	October 2020
4	Privacy preserving by parallel and distributed deep learning in smart financial systems	Shakiba Tasharofi & Hassan Taheri	September 2020
5	Providing an Appropriate Solution to Improve the Energy Performance at Fog Computing	Farham Sheykhi & Hassan Taheri	July 2020
6	interference mitigation in femtocell networks with hybrid access capability	Amir Dolatshah & Hassan Taheri	July 2020
7	Identification based on facial image and use of cloud computing and Internet of Things	Shadi Mohammadi & Hassan Taheri	February 2020
8	Proposing a novel resource management for Cloud Data Centers to reduce energy consumption while preserving the Quality of Service	Mohammadhosein Mahmoodian & Hassan Taheri	November 2019
9	Optimal allocation of resources in cognitive femtocell networks	Ali Motallebi & Hassan Taheri	September 2019
10	Efficient Radio and Power Resource Management for D2D Communication Based on Learning Algorithms	Hamzeh Asadi & Hassan Taheri	February 2019
11	Traffic Control on Vehicular Cloud	Reza Hedayati Majdabadi & Hassan Taheri	July 2018
12	Convolutional Neural Network based Speech Recognition using Raw Speech Input	Sina Alisamir & Hassan Taheri	February 2018
13	Data mining meets HCI: make sense for large graph	Mohammad Reza Hosseini & Hassan Taheri	February 2017
14	Analyses and simulation of D2D communication in LTE-A Network	Maryam Saremi & Hassan Taheri	December 2016
15	An Improvement into Load Balancing Algorithms for Cloud Computing	Milad Sedigh & Hassan Taheri	September 2016
16	Performance improvement of monte-carlo method in simulation of economic models with parallelization methods	Amirahmad Ziaepour & Hassan Taheri	February 2016
17	Simulation and optimization of localization algorithm in wireless sensor networks	Mahshid Mehrabi & Hassan Taheri	October 2015
18	A reliable and quality of service aware Routing algorithm in wireless sensor network	Shima Salari Moghadam & Hassan Taheri	October 2015
19	multi-target tracking in chain -type Wireless Sensor Networks	Mohsen Rezaei & Hassan Taheri	January 2014
20	improving performance of RPL in wireless sensor networks	Moniba Shokri & Hassan Taheri	October 2013
21	mobility robusstness in efficient broadcasting using network coding and directional antennas in manets	Marzieh Abaspour Ghadi & Hassan Taheri	October 2013
22	Design And Implementation Of A Distributed Acoustic Source Localizer Based On WSN Platform	Mohammadmahdi Faraji & Hassan Taheri	May 2013
23	Design and implementation of an Impedance Measurement System for PZT-Based Structural Health Monitoring	Sajjad Maleki Zade & Hassan Taheri	February 2013
24	Design And Simulation Of MAC Protocol For Multichannel Wireless Mesh Networks Based On Directional-Antenna	Ali Rahimi & Hassan Taheri	February 2013

25	Performance Evaluation and Improving Alert Correlation in Network-Based Intrusion Detection Systems	Saeid Dadkhah & Hassan Taheri	February 2013
26	Analysise of the ZigBee standard application for smart grid considering power consumption,routing,scalability and topology	Arman Zare & Hassan Taheri	February 2012
27	self-organized service placement mechanism in Ad Hoc and wireless Sensor Networks with considering power reduction	Hadi Ghasemzadeh & Hassan Taheri	February 2012
28	Resource Management for Qos Provisioning over IP-based wireless network	Haleh Shahzad & Hassan Taheri	February 2012
29	Providing security against active attacks in Mobile Ad Hos Networks routing algorithms	Mohammad Reza Khalili Shoja & Hassan Taheri	February 2011
30	Improving Autentication Methods in Wireless WiFi Networks	Seyed Saed Rezaee & Hassan Taheri	February 2011
31	VoIP over WiMAX	Seyed Amin Hoseini & Hassan Taheri	February 2011
32	Improving computation of maximum number of WiMAX base station subscribers in different conditions	Mohammad Reza Ashayeri & Hassan Taheri	December 2009
33	Improving end to end security in TCP accelerated satellite link	Hossein Feraidony & Hassan Taheri	September 2009
34	Increasing efficiency in bandwidth allocation due to traffic prediction on sattellite link	Golsa Moayeri Pour & Hassan Taheri	March 2009
35	Software implementation of image codec using DSP processor and mpeg-4 standard protocol and optimization for video security over IP	Mohammadreza Mohammadnia & Hassan Taheri	January 2009
36	SIMULATION AND OPTIMIZATION OF CACHING AND PERETCHING EFFECTS LINK EFFICIENCY	Hadi Safdar Khani & Hassan Taheri	April 2008
37	SIMULATION AND OPTIMIZATION OF SCHEDURING AND QUE MANAGEMENT ALGORITHMS ON SATELLITE LINKS	Meisam Nesary Moghadam & Hassan Taheri	March 2008
38	a new architecture for hardware implementation of a model predicve controller	Mohammad Hossein Montazeri Najafabadi & Hassan Taheri	September 2007
39	A TOPOLOGY CONTROL ALGORITHM FOR WIRELESS AD HOC AND SENSOR NETWORKS TO OPTIMIZE POWER CONSUMPTION	Maysam Mirahmadi & Hassan Taheri	March 2007
40	DESIGN AND EVALUATION OF AN ADAPTIVE FOUTING SCHEME FOR PROVIDING QOS IN MOBILE AD HOC NETWORKS	Madjid Ghanbarinejad & Hassan Taheri	March 2007

Books

#	Title	Author(s)	Publisher country	publication date	version
Portal Records					
1	Internet working with TCP/IP	Hassan Taheri	Iran (Islamic Republic of)	February 2006	0

Journal Papers

Portal Records

- 1 Shima Salari Moghadam, Hassan Taheri, Amin Karimi, "Trust Based Routing Algorithm to Improve Quality of Service in DSR Protocol", WIRELESS PERSONAL COMMUNICATIONS, May 2019 Vol. 106, Num. 4, Page 1-16, May 2019,
- 2 Nahid Amani, Hossein Pedram, Hassan Taheri, Saeedeh Parsaeefard, "Energy-Efficient Resource Allocation in Heterogeneous Cloud Radio Access Networks via BBU-offloading", IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, December 2018 Vol. 0, Num. 0, Page 1-15, December 2018,
- 3 Neamatollah Ezzati, Hassan Taheri, "Distributed Spectrum Sensing Using Radio Environment Maps in Cognitive Radio Networks", WIRELESS PERSONAL COMMUNICATIONS, May 2018 Vol. 0, Num. 0, Page 1-14, May 2018,
- 4 Ehsan Arianyan, Hassan Taheri, Saeed Sharifian Khortoomi, Mohsen Tarighi, "New Six-Phase On-line Resource Management Process for Energy and SLA Efficient Consolidation in Cloud Data Centers", INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, January 2018 Vol. 15, Num. 1, Page 10-20, January 2018,
- 5 Ehsan Arianyan, Hassan Taheri, Vahid Khoshdel, "Novel fuzzy multi objective DVFS-aware consolidation heuristics for energy and SLA efficient resource management in cloud data centers", JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, January 2017 Vol. 78, Num. 1, Page 43-61, January 2017,
- 6 Azita Zolfaghari Sichani, Hassan Taheri, "Joint Best Price-CQI Product Scheduling and Congestion Control for LTE", CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE, December 2016 Vol. . 39, Num. 0, Page 255-267, December 2016,
- 7 Ehsan Arianyan, Hassan Taheri, Saeed Sharifian Khortoomi, "Multi Target Dynamic VM Consolidation in Cloud Data Centers Using Genetic Algorithm", JOURNAL OF INFORMATION SCIENCE AND ENGINEERING, November 2016 Vol. 32, Num. 6, Page 1575-1593, November 2016,
- 8 Mahshid Mehrabi, Hassan Taheri, Pooria Taghdiri, "An improved DV-Hop localization algorithm based on evolutionary algorithms", TELECOMMUNICATION SYSTEMS, July 2016 Vol. 63, Num. 1, Page 1-9, July 2016,
- 9 Neamatollah Ezzati, Hassan Taheri, Tuna Tugcu, "Optimizes Sensor Network for Transmitter localization and Radio Environment Mapping", IET COMMUNICATIONS, June 2016 Vol. 10, Num. 16, Page 2170-2178, June 2016,
- 10 Saman Masarat, Saeed Sharifian Khortoomi, Hassan Taheri, "Modified parallel random forest for intrusion detection systems", JOURNAL OF SUPERCOMPUTING, May 2016 Vol. 0, Num. 0, Page 1-24, May 2016,
- 11 Ehsan Arianyan, Hassan Taheri, Saeed Sharifian Khortoomi, "Novel Heuristics for Consolidation of Virtual Machines in Cloud Data Centers Using Multi-Criteria Resource Management Solutions", JOURNAL OF SUPERCOMPUTING, December 2015 Vol. 0, Num. 0, Page 0-0, December 2015,
- 12 Ehsan Arianyan, Hassan Taheri, Saeed Sharifian Khortoomi, "Novel energy and SLA efficient resource management heuristics for consolidation of virtual machines in cloud data centers", COMPUTERS & ELECTRICAL ENGINEERING, October 2015 Vol. 47, Num. 0, Page 222-240, October 2015,
- 13 Daryoosh Zolfaghari, Hassan Taheri, Amir Hossein Rezaei, Mohsen Rezaei, "A robust and reliable routing based on multi-hop information in industrial wireless sensor networks", INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING, January 2015 Vol. 19, Num. 1, Page 29-37, January 2015,
- 14 Seyyed Amir Asghari Tochaee, Hassan Taheri, "An Effective Soft Error Detection Mechanism Using Redundant Instructions", INTERNATIONAL ARAB JOURNAL OF INFORMATION TECHNOLOGY, January 2015 Vol. 12, Num. 1, Page 69-76, January 2015,
- 15 Meisam Nesary Moghadam, Hassan Taheri, Mehdi Karrari, "Minimum cost load balanced multipath routing protocol for low power and lossy networks", WIRELESS NETWORKS, December 2014 Vol. 20, Num. 8, Page 2469-2479, December 2014,
- 16 Azita Zolfaghari Sichani, Hassan Taheri, "Queue-Aware Channel-Adapted Scheduling and Congestion Control for Best-Effort Services in LTE Networks", CANADIAN JOURNAL OF ELECTRICAL AND COMPUTER ENGINEERING-REVUE CANADIENNE DE GENIE ELECTRIQUE ET INFORMATIQUE, May 2014 Vol. 38, Num. 2, Page 170-182, May 2014,
- 17 Meisam Nesary Moghadam, Hassan Taheri, Mehdi Karrari, "Multi-class Multipath Routing Protocol for Low Power Wireless Networks with Heuristic Optimal Load Distribution", WIRELESS PERSONAL COMMUNICATIONS, April 2014 Vol. 20, Num. 8, Page 2469-2479, April 2014,

- 18 Seyyed Amir Asghari Tochae, Hassan Taheri, Hossein Pedram, Okyay Kaynak, "Software-based Control Flow Checking against Transient Faults in Industrial Environments", IEEE TRANSACTIONS ON INDUSTRIAL INFORMATICS, February 2014 Vol. 10, Num. 1, Page 481-490, February 2014,
- 19 Seyyed Amir Asghari Tochae, Atena Abdi, Okyay Kaynak, Hassan Taheri, Hossein Pedram, "An Effective Control Flow Checking Method for Multitask Processing in Harsh Environments", JOURNAL OF CIRCUITS SYSTEMS AND COMPUTERS, September 2013 Vol. 22, Num. 8, Page 51-72, September 2013,
- 20 Seyyed Amir Asghari Tochae, Hassan Taheri, Hossein Pedram, "Designing a Reliable and Application Specific Controller Area Network Protocol for Intra-Communication of an Embedded System", Research Journal of Applied Sciences Engineering and technology, January 2013 Vol. 5, Num. 2, Page 445-451, January 2013,
- 21 Seyyed Amir Asghari Tochae, Athena Abdi, Hassan Taheri, Hossein Pedram, Saadat Pourmofazari, "SEDSR: Soft Error Detection Using Software Redundancy", Journal of Software Engineering and Applications, December 2012 Vol. 5, Num. 9, Page 664-670, December 2012,
- 22 Atena Abdi, Seyyed Amir Asghari Tochae, Saadat Pourmofazari, Hassan Taheri, Hossein Pedram, "An Optimum Instruction Level Method for Soft Error Detection", International Review on Computers and Software, May 2012 Vol. 7, Num. 2, Page 637-641, May 2012,
- 23 Seyyed Amir Asghari Tochae, Hassan Taheri, Saadat Pourmofazari, Hossein Pedram, "An Optimum Instruction Level Method for Soft Error Detection", International Review on Computers and Software, May 2012 Vol. 7, Num. 2, Page 637-641, May 2012,
- 24 Seyyed Amir Asghari Tochae, Hossein Pedram, Hassan Taheri, "A New Attitude based on Real Time Operating System for NoC in Hotspot Traffic Model", Transactions on Computers and Intelligent Systems, January 2011 Vol. 2, Num. 1, Page 27-33, January 2011,
- 25 Mohammad Fathi, Hassan Taheri, Mehri Mehrjoo, "Cross-Layer Joint Rate Control and Scheduling for OFDMA Wireless Mesh Networks", IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, October 2010 Vol. 59, Num. 8, Page 0-0, October 2010,
- 26 Azita Zolfaghari Sichani, Hassan Taheri, "Improving performance of backpressured packet networks by integrating with an end-to-end congestion control algorithm", , January 2010 Vol. , Num. 33, Page 0-0, January 2010,
- 27 Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "AMPCS :Adaptive Model Predictive Control Scheduler for Guaranteed Delay in DiffServ Architecture", , March 2008 Vol. , Num. 21, Page 0-0, March 2008,
- 28 Mehran Mahramian Moallem, Hassan Taheri, Masoud Shafiee, "A new algorithm for guaranteed delay in Diffserv architecture", , January 2008 Vol. 0, Num. 5, Page 56-68, January 2008,
- 29 Hoda Najafi, Hassan Taheri, Hamidreza Amindavar, "JOINT CROSS-LAYER AND DYNAMIC SUBCARRIER ALLOCATION DESIGN FOR MULTICAST OFDM NETWORKS", New Technologies, Mobility and Security, Springer Book Chapter, November 2007 Vol. 0, Num. 0, Page 0-0, November 2007,
- 30 Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "On tuning and complexity of an adaptive mode predictive control scheduler", , September 2007 Vol. , Num. 15, Page 0-0, September 2007,
- 31 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, [en-name N/A], "Improving Broadcast Performance by Traffic isolation in Wireless ad hoc Networks", , November 2006 Vol. , Num. 1, Page 0-0, November 2006,
- 32 Mehran Mahramian Moallem, [en-name N/A], Hassan Taheri, Karim Faez, "Three new neural network based algorithms for IP lookup and packet classification", , February 2005 Vol. , Num. 29, Page 0-0, February 2005,
- 33 Hassan Taheri, "An adaptive fault tolerant routing algorithm for a packet switching system", , September 1991 Vol. 0, Num. 18, Page 0-0, September 1991,


Conference Papers

Portal Records

- 1 Milad Sedigh, Hassan Taheri, Saeed Sharifian Khortoomi, "Dynamic prediction scheduling for virtual machine placement via ant colony optimization ", 1st International Conference on Signal Processing and Intelligent Systems (SPIS), December 2015
- 2 Saman Masarat, Hassan Taheri, Saeed Sharifian Khortoomi, "A novel framework, based on fuzzy ensemble of classifiers for intrusion detection systems ", 4th International eConference on Computer and Knowledge Engineering (ICCKE), 2014, October 2014
- 3 Seyed Amin Hoseini, Seyed Saed Rezaee, Hassan Taheri, "Improving ertPS Grant Allocation for VoIP Traffic in Silence Duration ", International Conference on Network Communication and Computer (ICNCC2011), March 2011
- 4 Seyed Amin Hoseini, Seyed Saed Rezaee, Hassan Taheri, "Implementation of Extensible Authentication Protocol in OPNET Modeller ", International Conference on Network Communication and Computer (ICNCC 2011), March 2011
- 5 Mohammadhossein Montazeri Najafabadi, [en-name N/A], Hassan Taheri, "Hardware architecture of model predictive control for real time scheduling algorithm ", , March 2009
- 6 [en-name N/A], Hassan Taheri, Mehdi Dehghan, "Cooperative location estimation with multiple transmission ranges ", , May 2007
- 7 [en-name N/A], Hassan Taheri, Mehdi Dehghan Takht Fooladi, "Cooperative Location Estimation in High Density Mobile Ad Hoc Networks ", , November 2006
- 8 Seyed Ali Akbar Fakoorian, Hassan Taheri, "Grade of Service Balancing for Originating and Handoff calls, System Cost Minimization using Genetic Algorithm ", , April 2006
- 9 Hassan Taheri, "SMPCS: sub- optimal model predictive control scheduler ", , March 2006
- 10 Seyed Ali Akbar Fakoorian, Hassan Taheri, "Protection of Originating Calls in Handoff Prioritization Schemes ", , February 2006
- 11 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "Improving Broadcast Performance by Traffic Isolation in Wireless ", , January 2006
- 12 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "A High Performance Cluster-Based Flooding Algorithm for Wireless Ad Hoc networks ", , September 2005
- 13 Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "On Tuning a State Space Self-Tuning Model Predictive Control Scheduler ", , August 2005
- 14 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "Gateway Selection Algorithm for Stability-Based Clustering in Ad Hoc Wireless Networks ", , May 2005
- 15 Hassan Taheri, "protection of originating calls in handoff prioritization schemes ", , March 2005
- 16 Mehran Mahramian Moallem, Hassan Taheri, "A new algorithm for guaranteed delay in diffserv architecture ", , February 2005
- 17 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "Effect of connectivity and mobility on the performance of stability _ based clustering algorithm for Ad - Hoc wireless networks ", , February 2005
- 18 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "Stability _ Based clustering Algorithm for Ad - Hoc wireless networks ", , December 2004
- 19 Mohammad Fathi, Hassan Taheri, Mirabolhasan Fasihi, "three _ pass jpeg _ ls image compression ", , October 2004
- 20 Reza Purtoosi, Hassan Taheri, Abbas Mohammadi, "A light _ weight contention based clustering algorithm for wrieless ad _ hoc networks ", , September 2004
- 21 Mehran Mahramian Moallem, Hassan Taheri, "A model predictive control approach for guaranteed proportional delay in diffserv architecture ", , August 2004
- 22 Hassan Taheri, [en-name N/A], "Three-pass Lossless Image Compression ", , February 2004
- 23 Mehran Mahramian Moallem, [en-name N/A], Karim Faez, Hassan Taheri, "A Multilayer Neural Network for IP Look Up and Packet Classification ", , August 2003

- 24 Morteza Saheb Zamani, Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "Steiner minimum tree with two-dimensional self-assembly DNA ", , April 2003
- 25 Hassan Taheri, [en-name N/A], "Seamless and prediction in multicast mobile IP ", , March 2003
- 26 Morteza Saheb Zamani, Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "Steiner Minimum tree for VLSI global routing using DNA computing ", , February 2003
- 27 Mehran Mahramian Moallem, [en-name N/A], Karim Faez, Hassan Taheri, "Neural Network Based Algorithms for IP Look up and Packet Classification ", , October 2002
- 28 Morteza Saheb Zamani, Mehran Mahramian Moallem, Hassan Taheri, [en-name N/A], "Steiner Minimum Tree and its application in global routing using DNA computing ", , September 2002
- 29 Hassan Kaatuzian, Aliakbar Vahedi Zarech, Hassan Taheri, "Design and Development of a Phase Shift 10 meters Laser Range Finder ", Intelligence Defense Systems Seminar, May 2002
- 30 Mehran Mahramian Moallem, Hassan Taheri, "A VHDL Implementation of the CCE Method for Estimating Mean Cell Time Delay in high Speed Networks ", , May 2001
- 31 Mehran Mahramian Moallem, Hassan Taheri, "Application of Self Similar traffic in the CCE Method of Estimating Mean Cell Time Delay ", , May 2001
- 32 Hassan Taheri, Mohammad Toraby, "high quality speech coding using the kalman estimator ", , March 1996
- 33 Hassan Taheri, "Gateway Selection Algorithm for Stability-Based Clustering in Ad Hoc Wireless Networks ", 13th Iranian Conference on Electrical Engineering (ICEE 2005), Zanjan, Iran, May 2005,
- 34 Hassan Taheri, "Gateway Selection Algorithm for Stability-Based Clustering in Ad Hoc Wireless Networks ", 13th Iranian Conference on Electrical Engineering (ICEE 2005),

Taught Courses

#	Course title	Description	Headlines	Date
1	Data Transmission	Introduction to physical Layer, Medium Access sub layer, Network Layer and Transport Layer.		Fall 2020