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h-index (Scopus):
11

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509

Supervised MSc Theses

#	Thesis title	By	Date
1	IoT Networks Anomaly Detection Using Data Stream Processing	Farzin Heidary & Masoud Sabaei	October 2021
2	A new privacy schem for preserving location privacy in internet of things	Reyhaneh Ashkarkolae & Masoud Sabaei	July 2020
3	Big data transfer optimization via dynamic resource allocation	Ali Talebi & Masoud Sabaei	July 2020
4	Improving the efficiency of privacy preserving techniques in IoT-based healthcare applications	Mohammad Mashayekh & Masoud Sabaei	February 2020
5	service migration performance improvement in edge computing	Mohammad Hossein Afshari Kalani & Masoud Sabaei	February 2020
6	Presenting an IoT-aware architecture for smart and secure ubiquitous Healthcare systems	Ali Derakhshani & Masoud Sabaei	January 2020
7	Smart objective function for RPL routing protocol in low power mobile networks	Wali Mohammad Wadeed & Masoud Sabaei	September 2019
8	Routing for latency critical IoT Applications in 5G	Mohammad Hossien Seyedghasemi & Masoud Sabaei	July 2019
9	Resource allocation with QoS in Software defined networks	Masoud Haghbin & Masoud Sabaei	July 2019
10	energy aware resource allocation in software defined network	Sajad Esfandiari Kolaee & Masoud Sabaei	June 2019

11	Improving efficiency in software defined wireless sensor network	Alireza Ansaripour & Masoud Sabaei	June 2019
12	Developing A Secure Cloud Storage For Storing IoT Data by Applying Encryption	Mohammad Amin Darki & Masoud Sabaei	May 2019
13	Energy theft Detection in Advanced Metering Infrastructure	Mahyar Azari & Masoud Sabaei	February 2019
14	Qos-Aware Mode Selection for Device-to-Device Communications in 5G Networks	Zahra Alimohammadzadeh & Masoud Sabaei	February 2019
15	Reducing Waiting Time of priority Vehicles using Internet of Things Technology	Mahdi Talebi & Masoud Sabaei	January 2019
16	SDN-based Dynamic NetworkVirtualization in IoT	Neda Chehelgerdi Samani & Masoud Sabaei	February 2018
17	Optimizing broken paths restoration in SDN considering flow operations and network traffic state	Salah Ahmed Abbas Al - Gburi & Masoud Sabaei	February 2018
18	Flow Scheduling in SDN-based IoT	Bahareh Chamani Takaldani & Masoud Sabaei	February 2018
19	Control traffic balancing optimization for in-band software defined network	Hussain Jassim Mohammad Alaaedi & Masoud Sabaei	January 2018
20	Graph Partitioning enhancement in Relational Cloud	Soroush Kazemi & Masoud Sabaei	February 2017
21	Server Load Balancing in Software Defined Networks (SDN	Mohammad Farhoudi & Masoud Sabaei	February 2017
22	Improving Energy Efficiency with Qos-Aware Using VM placement in SDN Based Data Centers	Pooyan Habibi & Masoud Sabaei	February 2017
23	A New social-aware routing protocol for mobile social networks	Reyhaneh Tahani & Masoud Sabaei	October 2016
24	survey references architecture for Internet of things	Majid Alborji & Masoud Sabaei	August 2016
25	Congestion control by means of early detection in software defined network	Soufia Bahmani & Masoud Sabaei	June 2016
26	Mobile cloud computing in Heterogeneous Mobile network	Shabnam Namazkar & Masoud Sabaei	May 2016
27	Reviewing SDN Distributed Controller Implementation Models	Ensieh Dehghani & Masoud Sabaei	May 2016
28	Management Of Coding Opportunities In Wireless Software-Defined Networks	Masoud Mokhtari & Masoud Sabaei	February 2016
29	Controller load balancing in elastic con architecture in software defined networks	Soheil Parvinroo & Masoud Sabaei	February 2016
30	Cloud Computing security challenges and provide solutions to improve the securityof privacy	Saeed Ashtari & Masoud Sabaei	January 2016
31	performance evaluation of SDN controllers	Behnaz Yousefi Nia & Masoud Sabaei	October 2015
32	Evaluation of Routing Models Base on Clustering of Mobile ad-hoc network	Rojiadokht Khordehbin & Masoud Sabaei	October 2015

33	Managing IaaS with SDI control and management system	Muhammad Bayat & Masoud Sabaei	October 2015
34	Energy Saving In Data Centers Based On Software-Defined Networks	Fatemeh Zare & Masoud Sabaei	October 2015
35	survey and evaluation of entry management schemes for reducing Controller overhead in the Software Defined Networking	Saeideh Deldar & Masoud Sabaei	October 2015
36	HYBRID CSMA/CA-TDMA MAC Schemes for Wireless Networks	Pegah Eslamieh & Masoud Sabaei	September 2015
37	Review and evaluation of techniques for implementing Honeypots	Hossein Bahadorbeigi & Masoud Sabaei	September 2015
38	Target Tracing Techniques in VANET Networks	Ebrahim Soleymani & Masoud Sabaei	May 2015
39	Comparison and Evaluation of IP Address Parallel Lookup Methods In The Routing Tables	Davood Kamelizadeh Noghbi & Masoud Sabaei	May 2015
40	Specify the number and position controllers in the software defined network	Vahideh Rahimi Gorji & Masoud Sabaei	March 2015
41	Knowledge- based routing for opportunistic networks	Ehsan Barouti & Masoud Sabaei	February 2015
42	Improvement Routing Algorithms for Opportunistic Networks Based on Context Information	Fariba Esmaili & Masoud Sabaei	February 2015
43	Mobility Management For Device Communication	Zohreh Naseri Mortazavi & Masoud Sabaei	October 2014
44	Transition Mechanisms for Internet Transition from IP4 to IP6 Protocol	Mir Hadi Mousavi & Masoud Sabaei	October 2014
45	Proposing improvement of Qos for video streaming in wireless networks based on network-coding	Azadeh Sadat Hosseini & Masoud Sabaei	October 2014
46	Performance Improvement for Knowledge-based Routing in Delay-tolerant Networks	Behrooz Farkiani & Masoud Sabaei	October 2014
47	An Energy-Efficient MAC Protocol for wireless Body Area Networks	Sanaz Kianpoor & Masoud Sabaei	June 2014
48	Defending against Sybil attacks in wireless sensor networks	Mehdi Rezaei & Masoud Sabaei	May 2014
49	Improving Routing Protocols for Multi-hop Cognitive Radio Networks	Marzieh Dashti Khavidaki & Masoud Sabaei	March 2014
50	optimizing candidate selection in opportunistic routing in wireless network	Naser Behmadi & Masoud Sabaei	February 2014
51	Design and implementation of a monitoring and managing of FTTX network	& Masoud Sabaei	February 2014
52	fault-tolerant static clustering scheme for target tracking in wireless sensor networks	Abbas Aram & Masoud Sabaei	October 2013
53	an efficient algorithm for interactive video-on-demand service in dynamic peer to peer networks	Akram Nakhaei & Masoud Sabaei	October 2013
54	traffic improvement in peer-to-peer video streaming networks using traffic localization	Shohreh Deldari & Masoud Sabaei	October 2013

55	a method for data dissemination in vehicular Ad Hoc networks to improve performance	Seyed Ali Jokar Jandaghi & Masoud Sabaei	October 2013
56	Routing methods based on Ant- colony optimization in wireless networks	Farhad Rahimi Kamal Abadi & Masoud Sabaei	October 2013
57	Security in Modbus/Tcp industrial control network	Shahrooz Ghanavati & Masoud Sabaei	October 2013
58	improvement of network coding aware source routing protocols in wireless mesh network	Hootan Zhian & Masoud Sabaei	October 2013
59	Evaluate opportunistic routing algorithms in wireless networks	Amir Mahzarnia & Masoud Sabaei	October 2013
60	The impact of Topology on Quantitative Optimization of IEEE802.15.4 standard protocol parameters to increase performance of WSNs	Majid Jafarian & Masoud Sabaei	September 2013
61	Using wimax technology for access layer in large scale dense networks	Ebrahim Momeni & Masoud Sabaei	September 2013
62	Network coding-aware routing in wireless adhoc networks	Froogh Khademsadegh & Masoud Sabaei	September 2013
63	Simulation- based wireless sensor network design to monitor air pollution- A case study in SPGC company	Ayoob Karimi & Masoud Sabaei	August 2013
64	Evaluation of routing ways according to Spray and wait algorithm	& Masoud Sabaei	August 2013
65	An Optimized Algorithm for Spectrum Handoff In Cognitive Radio Network	Mohsen Shahedi & Masoud Sabaei	May 2013
66	Real-time streaming over network coding based Wireless networks	Sajjad Naeem Vafa & Masoud Sabaei	May 2013
67	cooperation improvement of mobile Ad-Hoc networks topology control in the presence of selfish nodes	Yaghoub Alizadeh Govarchin Galeh & Masoud Sabaei	February 2013
68	improved opportunistic routing for energy harvesting wireless sensor networks	Seyedeh Sanam Shirazi Beheshtiha & Masoud Sabaei	October 2012
69	quantitative optimization of IEEE 802.15.4 standard protocol parameters to increase performance of wsns	Faramarz Kazemainy & Masoud Sabaei	September 2012
70	data centric storage based on residue number system for wireless sensor networks	Montajab Ghanem & Masoud Sabaei	July 2012
71	a new method for efficiency improvement of transport layer in wireless sensor net works	Mohammad Hosein Samani & Masoud Sabaei	July 2012
72	target tracking in wsn	Reza Ghazvini & Masoud Sabaei	May 2012
73	performance study of gg and rng planarization algorithms in recovery mode of geographic routing	Hamidreza Shahrabi & Masoud Sabaei	May 2012
74	opportunistic routing in delay tolerant wireless networks	Kamran Ayoubi & Masoud Sabaei	February 2012
75	QOS routing in wireless sensor networks using game theory	Mohamad Lotfi & Masoud Sabaei	February 2012
76	Localization in Wireless Sensor Networks Through Core Selection	Hossein Ashrafzadeh & Masoud Sabaei	October 2011

77	using correlation to data aggregation of moving object for reduce of energy consumption in wsn	Seiied Babak Pour Peighambar & Masoud Sabaei	October 2011
78	survey on opportunistic protocol in ad hoc network	Shirin Niki & Masoud Sabaei	October 2011
79	Localization in Wireless Sensor Networks Through Clustering	Saeed Reza Arab & Masoud Sabaei	October 2011
80	evaluation of clustering methods for data gathering in sensor networks	Alireza Saghaee & Masoud Sabaei	May 2011
81	designing a qos implementation and optimization structure in an ip mpls backbone network of amobile	Gholam Reza Mahmoudi & Masoud Sabaei	May 2011
82	VANET ROuting using GPS	Reza Zaferanieh & Masoud Sabaei	March 2011
83	an efficient geosacting routing protocol with guaranteed delivery in wireless sensor networks	Tayabeh Monerini & Masoud Sabaei	February 2011
84	interference aware topology control in wireless sensor network for axtend network lifetime	Mehdi Fereydooni & Masoud Sabaei	February 2011
85	present a secure solution for prevention illegal using of pay-tvs	Mehrdad Ghabraee Langroudi & Masoud Sabaei	October 2010
86	mitigating hot spot problem for data storage in wireless sensor networks	Maryam Tahani & Masoud Sabaei	October 2010
87	Investigating and Identifying the optimal number of anchors in the localization problem of the wireless sensor network	Mehdi Layaghi Motlagh & Masoud Sabaei	October 2010
88	Improvement localization accuracy in monte carlo method with optimized energy consumption with skeleton Method	Mohammad Pourkhanlar & Masoud Sabaei	October 2010
89	Data-centric storage extensions in sensornets	Pooya Hejazi & Masoud Sabaei	October 2010
90	localization in wireless sensor networks through concurrent map stitching	Meisam Mirahsan & Masoud Sabaei	September 2010
91	a method for securing royting protocols against DOS attacks based on social trust relationships in wireless sensor network	Milad Sajadi & Masoud Sabaei	September 2010
92	Coverage in wireless sensor networks	Raana Nourdad & Masoud Sabaei	May 2010
93	Implementation and compare MINR and COMPOW topology control in mobile ad-hoc network	Saeed Zahrabi & Masoud Sabaei	May 2010
94	Data gathering in wireless sensor network expliting data correlation in order to increase data life and to provide accuracy	Hossein Ali Shirali Shahreza & Masoud Sabaei	February 2010
95	Data aggregation for maximizing network life time considering data correlation	Narges Arastouei & Masoud Sabaei	November 2009
96	Data Gathering Mechanisms & Protocols in Wireless Sensor Networks	Azadeh Jahanbani Far & Masoud Sabaei	October 2009
97	Joint Topology Control and Packet Forwarding Cooperation Improvement in Mobile Ad-Hoc Networks	Mahshid Rahnamay-Naeini & Masoud Sabaei	July 2009
98	Distributed anchor-free localization in wireless sensor networks	Hamed Gheibi & Masoud Sabaei	July 2009

99	designing a model as total bill consolidation system	Behnaz Habib Khoda & Masoud Sabaei	May 2009
100	Dynamic power management in wireless sensor networks	Bijan Mosavat & Masoud Sabaei	May 2009
101	Maximum life time data gathering in wireless sensor networks	Mostafa Bastam & Masoud Sabaei	February 2009
102	Data aggregation in sensor network according to application requirements	Fatemeh Mirian Hoseinabadi & Masoud Sabaei	January 2009
103	IP assignment in mobile ad hoc networks	Leila Hakemifar & Masoud Sabaei	January 2009
104	Event Correlation for Root Cause Detection of Failure in Computer Networks Using Neural Network	Zahra Zainali & Masoud Sabaei	October 2008
105	Protection against wormhole attacks in mobile ad hoc networks	Babak Karimi & Masoud Sabaei	October 2008
106	Range-Free Localization in Sensor Network With Reference node Weighted DV-HOP Algorithm	Abolfazl Razbani & Masoud Sabaei	April 2008
107	DEVISING A REFEREE-BASED AUTHENTICATION SCHEME FOR AD-HOC NETWORKS	Bentel Hoda Hosseini & Masoud Sabaei	March 2008
108	evaluation of range-free localization methods in wireless sensor networks	Masoud Fasihi & Masoud Sabaei	February 2008
109	MOBILITY-AWARE CLUSTERING IN WIRELESS MOBILE AD-HOC NETWORKS	Bahman Ravaei & Masoud Sabaei	January 2008
110	Simulation & Evaluation of Cooperation Enforcement Mechanisms in Mobile Ad Hoc Networks	Nooshafarin Momen Vaghefi & Masoud Sabaei	October 2007
111	Simulation and Comparison of TOA and RSS Localization Methods in wireless Sensor Networks	Ali Saagheb Movaffagh & Masoud Sabaei	October 2007
112	COOPERATION IMPROVEMENT MOBILE AD HOC NETWORKS THROUGH NODES COOPERATION	Saeed Soltanali & Masoud Sabaei	March 2007
113	QUALITY OF SERVICE ROUTING IN DYNAMIC AD HOC NETWORKS USING OLSR	Nasrin Hezareh Moghadam & Masoud Sabaei	March 2007
114	INFERRING STATISTICAL PROPERTY OF FLOWS FROM SAMPLED PACKETS	Mahdi Shadvar & Masoud Sabaei	March 2007
115	IMPROVEMENT OF QOS-BASED ROUTING IN LOW EARTH ORBIT (LEO) SATELLITE NETWORKS	Hamidreza Nakanpoor & Masoud Sabaei	March 2007
116	IMPROVING SURVIVABILITY OF AD HOC ROUTING ALGORITHMS IN THE SECURITY ASPECTS FOR BYZANTINE THREATS	Seyed Sajjad Piraresh & Masoud Sabaei	March 2007
117	IMPROVEMENT OF AUTOMATIC GENERATION OF IPSEC/VPN SECURITY POLICIES	Salman Niksefat & Masoud Sabaei	January 2007

Books

#	Title	Author(s)	Publisher country	publication date	version
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Portal Records

1 Internet of Things and M2m Communications SeyedeH Sanam Shirazi Denmark April 2014 1
(River Publishers Series in Information Science and Beheshtiha, Hwee-Pink Tan,
Technology) Masoud Sabaei

Journal Papers

Portal Records

- 1 Hemmat Sheikhi, Mohamad Hoseini, Masoud Sabaei, "k-Connected Relay Node Deployment in Heterogeneous Wireless Sensor Networks", WIRELESS PERSONAL COMMUNICATIONS, June 2021 Vol. 0, Num. 0, Page 1-16, June 2021,
- 2 Ramin Yari Nezhad, Masoud Sabaei, "An optimal cluster-based routing algorithm for lifetime maximization of Internet of Things", JOURNAL OF PARALLEL AND DISTRIBUTED COMPUTING, May 2021 Vol. 156, Num. 9, Page 7-24, May 2021,
- 3 Ehsan Zadkhosh, Hossein Bahramgiri, Masoud Sabaei, "Middlebox selection optimization via an intelligent framework in software-defined networking", Transactions on Emerging Telecommunications Technologies, February 2021 Vol. 0, Num. 0, Page 1-17, February 2021,
- 4 SeyedeH Yasaman Rashida, Masoud Sabaei, Mohammad Mehdi Ebadzadeh, Amir Masoud Rahmani, "An intelligent approach for predicting resource usage by combining decomposition techniques with NFTS network", CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, May 2020 Vol. 23, Num. 4, Page 3435-3460, May 2020,
- 5 Hamidreza Shahrabi, Masoud Sabaei, "A Comparative Study of GG and RNG Planarization Algorithms in Geographic Routing for Wireless Networks", The CSI Journal on Computing Science and Information Technology, March 2020 Vol. 17, Num. 2, Page 103-111, March 2020,
- 6 Nastooh Taheri Javan, Masoud Sabaei, Vesal Hakami, "IEEE 802.15.4.e TSCH-Based Scheduling for Throughput Optimization: A Combinatorial Multi-Armed Bandit Approach", IEEE SENSORS JOURNAL, January 2020 Vol. 20, Num. 1, Page 525-537, January 2020,
- 7 Ehsan Zadkhosh, Hossein Bahramgiri, Masoud Sabaei, "Toward manageable middleboxes in software-defined networking", ETRI JOURNAL, September 2019 Vol. 2019, Num. 0, Page 1-10, September 2019,
- 8 SeyedeH Yasaman Rashida, Masoud Sabaei, Mohammad Mehdi Ebadzadeh, Amir Masoud Rahmani, "A memetic grouping genetic algorithm for cost efficient VM placement in multi-cloud environment", CLUSTER COMPUTING-THE JOURNAL OF NETWORKS SOFTWARE TOOLS AND APPLICATIONS, July 2019 Vol. 2019, Num. 1, Page 1-40, July 2019,
- 9 Mahsa Soheil Shamaee, Mohammad Ebrahim Shiri Ahmad Abady, Masoud Sabaei, "A smart proactive routing protocol in cognitive radio networks", INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING, June 2019 Vol. 31, Num. 2, Page 83-102, June 2019,
- 10 Reza Assareh, Masoud Sabaei, Midia Reshadi, Ahmad Khademzadeh, "Decreasing the Average Delay, Connectivity, and Routing Load in Clustered Mobile Ad-Hoc Networks", International Journal of Information and Communication Technology(IJICT), December 2018 Vol. 10, Num. 1, Page 36-47, December 2018,
- 11 Narges Arastouei, Masoud Sabaei, Bahador Bakhshi Saeskanrood, "Near-Optimal Online Routing in Opportunistic Networks", INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, November 2018 Vol. 0, Num. 0, Page 0-0, November 2018,
- 12 Montajab Ghanem, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "A Stackelberg game for relay selection and power allocation in an active cooperative model involving primary users and secondary users", INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, October 2018 Vol. 32, Num. 4, Page 1-23, October 2018,
- 13 Mostafa Bastam, Masoud Sabaei, Rouhollah Yousefpour, "Scalable Traffic Engineering Method in an SDN-based Data Center Network Using Decomposition Technique", Journal of Soft Computing and Information Technology, September 2018 Vol. 7, Num. 1, Page 42-55, September 2018,

- 14 Ahmad Yousofi, Masoud Sabaei, Mehdi Hosseinzadeh, "Design a novel routing criterion based on channel features and internal backup routes for cognitive radio network", TELECOMMUNICATION SYSTEMS, August 2018 Vol. 0, Num. 0, Page 1-13, August 2018,
- 15 Ahmad Yousofi, Masoud Sabaei, Mehdi Hosseinzadeh, "Design of optimum criterion for opportunistic multi-hop routing in cognitive radio networks", ETRI JOURNAL, August 2018 Vol. 40, Num. 5, Page 613-623, August 2018,
- 16 Mahsa Soheil Shamaee, Mohammad Ebrahim Shiri Ahmad Abady, Masoud Sabaei, "A Reinforcement Learning Based Routing in Cognitive Radio Networks for Primary Users with Multi-stage Periodicity", WIRELESS PERSONAL COMMUNICATIONS, April 2018 Vol. 0, Num. 0, Page 0-0, April 2018,
- 17 Nastooh Taheri Javan, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "To overhear or not to overhear: a dilemma between network coding gain and energy consumption in multi-hop wireless networks", WIRELESS NETWORKS, April 2018 Vol. 0, Num. 0, Page 1-16, April 2018,
- 18 Montajab Ghanem, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "A novel model for implicit cooperation between primary users and secondary users in cognitive radio-cooperative communication systems", INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, March 2018 Vol. 31, Num. 6, Page 1-22, March 2018,
- 19 Seyed Babak Pourpeighambar, Mehdi Dehghan Takht Fooladi, Masoud Sabaei, "Joint routing and channel assignment using online learning in cognitive radio networks", WIRELESS NETWORKS, February 2018 Vol. 0, Num. 0, Page 1-15, February 2018,
- 20 Mehdi Fereydooni, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, Gita Babazadeh Eslamlou, Markus Rupp, "Analytical evaluation of heterogeneous cellular networks under flexible user association and frequency reuse", COMPUTER COMMUNICATIONS, January 2018 Vol. 116, Num. 0, Page 147-158, January 2018,
- 21 Mostafa Bastam, Masoud Sabaei, Rohollah Yousefpour, "A scalable traffic engineering technique in an SDN-based data center network", Transactions on Emerging Telecommunications Technologies, January 2018 Vol. 0, Num. 0, Page 1-16, January 2018,
- 22 Narges Arastouei, Masoud Sabaei, "Self-adaptive risk-aware routing in opportunistic network", JOURNAL OF SUPERCOMPUTING, January 2018 Vol. 0920-8542, Num. 0, Page 1-27, January 2018,
- 23 Mohammad Khanjary, Masoud Sabaei, Mohammad Reza Meybodi, "Barrier coverage in adjustable-orientation directional sensor networks: A learning automata approach", COMPUTERS & ELECTRICAL ENGINEERING, January 2018 Vol. 0, Num. 0, Page 1-18, January 2018,
- 24 Mehdi Fereydooni, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, Martin Taranetz, Markus Rupp, "A Mathematical Framework to Evaluate Flexible Outdoor User Association in Urban Two-Tier Cellular Networks", IEEE TRANSACTIONS ON WIRELESS COMMUNICATIONS, December 2017 Vol. 17, Num. 3, Page 1559-1573, December 2017,
- 25 Reza Assareh, Masoud Sabaei, Ahmad Khademzadeh, Midia Reshadi, "A Novel Many-Objective Clustering Algorithm in Mobile Ad Hoc Networks", WIRELESS PERSONAL COMMUNICATIONS, November 2017 Vol. 97, Num. 2, Page 2971-2997, November 2017,
- 26 Nastooh Taheri Javan, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "To-send-or-not-to-send: An optimal stopping approach to network coding in multi-hop wireless networks", INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS, September 2017 Vol. 0, Num. 0, Page 1-18, September 2017,
- 27 Seyed Babak Pourpeighambar, Mehdi Dehghan Takht Fooladi, Masoud Sabaei, "Non-cooperative reinforcement learning based routing in cognitive radio networks", COMPUTER COMMUNICATIONS, July 2017 Vol. 106, Num. 1, Page 11-23, July 2017,
- 28 Seyed Babak Pourpeighambar, Mehdi Dehghan Takht Fooladi, Masoud Sabaei, "Multi-agent learning based routing for delay minimization in Cognitive Radio Networks", JOURNAL OF NETWORK AND COMPUTER APPLICATIONS, April 2017 Vol. 84, Num. 0, Page 82-92, April 2017,
- 29 Omid Tavallaie, Hamid Reza Naji, Masoud Sabaei, Narges Arastouei, "RTEA: Real-Time and Energy Aware Routing for Industrial Wireless Sensor Networks", WIRELESS PERSONAL COMMUNICATIONS, April 2017 Vol. 0, Num. 0, Page 0-0, April 2017,
- 30 Bahman Ravaei, Masoud Sabaei, Hossein Pedram, Shahrokh Valaee, "Community-Aware Single-Copy Content Forwarding in Mobile Social Network", WIRELESS NETWORKS, March 2017 Vol. UNKNOWN, Num. 0, Page 0-0, March 2017,

- 31 Marziyeh Barootkar, Akbar Ghafarpour Rahbar, Masoud Sabaei, "LDAOR: Location and Direction Aware Opportunistic Routing in Vehicular Ad hoc Networks", *Journal of Telecommunications and Information Technology*, December 2016 Vol. 1, Num. 1, Page 68-83, December 2016,
- 32 Yaghoob Alizadeh Govarchin Galeh, Masoud Sabaei, Omid Tavallaie, "A distributed joint topology control and forwarding protocol in MANETs using game theory", *INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING*, September 2016 Vol. 22, Num. 3, Page 188-202, September 2016,
- 33 Yaghoob Alizadeh Govarchin Ghaleh, Masoud Sabaei, Omid Tavallaie, "A distributed joint topology control and forwarding protocol in MANETs using game theory", *INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING*, January 2016 Vol. Volume 22, Num. 0, Page 188-202, January 2016,
- 34 Nahideh Derakhshanfard, Masoud Sabaei, Amir Masoud Rahmani, "Sharing spray and wait routing algorithm in opportunistic networks", *WIRELESS NETWORKS*, November 2015 Vol. 0, Num. 0, Page 1-12, November 2015,
- 35 Nahideh Derakhshanfard, Masoud Sabaei, Amir Masoud Rahmani, "CPTR: conditional probability tree based routing in opportunistic networks", *WIRELESS NETWORKS*, November 2015 Vol. 0, Num. 0, Page 1-8, November 2015,
- 36 Ali Barati, Ali Movaghar, Masoud Sabaei, "RDTP: reliable data transport protocol in wireless sensor networks", *TELECOMMUNICATION SYSTEMS*, October 2015 Vol. 0, Num. 0, Page 1-13, October 2015,
- 37 Mohammad Khanjary, Masoud Sabaei, Mohammad Reza Meybodi, "Critical Density for Coverage and Connectivity in Two-Dimensional Fixed-Orientation Directional Sensor Networks Using Continuum Percolation", *JOURNAL OF NETWORK AND COMPUTER APPLICATIONS*, June 2015 Vol. 57, Num. 0, Page 169-181, June 2015,
- 38 Mehdi Fereydooni, Masoud Sabaei, Gita Babazadeh, "Energy Efficient Topology Control in Wireless Sensor Networks with Considering Interference and Traffic Load", *AD HOC & SENSOR WIRELESS NETWORKS*, May 2015 Vol. 25, Num. 0, Page 291-310, May 2015,
- 39 Mahdi Amynyyan, Masoud Sabaei, Mohammad Kazem Akbari, "DAMORD: an aggregation algorithm for mobile point source using rate-distortion theory in wireless sensor networks", *INTERNATIONAL JOURNAL OF COMMUNICATION SYSTEMS*, April 2015 Vol. 2015, Num. 1, Page 1-15, April 2015,
- 40 Mohammad Khalily Dermany, Masoud Sabaei, Mostafa Shamsi, "Topology Control in Network-Coding-Based-Multicast Wireless Sensor Networks", *International Journal of Sensor Networks*, January 2015 Vol. 17, Num. 2, Page 93-104, January 2015,
- 41 M. Khanjary, Masoud Sabaei, Mohammad Reza Meybodi, "Critical Density for Coverage and Connectivity in Two-Dimensional Aligned-Orientation Directional Sensor Networks Using Continuum Percolation", *IEEE SENSORS JOURNAL*, June 2014 Vol. 14, Num. 8, Page 2856-2863, June 2014,
- 42 Narges Arastouei, Masoud Sabaei, Vesal Hakami, Saeed Soltanali, "A novel trade-off between communication and computation costs for data aggregation in wireless sensor networks", *INTERNATIONAL JOURNAL OF AD HOC AND UBIQUITOUS COMPUTING*, January 2013 Vol. 12, Num. 4, Page 245-253, January 2013,
- 43 Seiiid Babak Pour Peighambar, Masoud Sabaei, "Spatial Correlation Aware Protocols for Efficient Data Aggregation of Moving Object in WSNs", *SCIENTIA IRANICA TRANSACTION D-COMPUTER SCIENCE & ENGINEERING AND ELECTRICAL ENGINEERING*, December 2012 Vol. 1, Num. 1, Page 1-1, December 2012,
- 44 Mahdi Amynyyan, Mohammad Kazem Akbari, Masoud Sabaei, "A Rate-Distortion Based Aggregation Method Using Spatial Correlation for Wireless Sensor Networks", *WIRELESS PERSONAL COMMUNICATIONS*, November 2012 Vol. 1, Num. 1, Page 1-41, November 2012,
- 45 Mahdi Amynyyan, Mohammad Kazem Akbari, Masoud Sabaei, "A Rate-Distortion Based Aggregation Method Using Spatial Correlation for Wirelesses Sensor Networks", *WIRELESS PERSONAL COMMUNICATIONS*, November 2012 Vol. 4, Num. 1, Page 101-122, November 2012,
- 46 Ali Barati, Ali Movaghar, Samira Modiri, Masoud Sabaei, "A Reliable & Energy-Efficient Scheme for Real Time Wireless Sensor Networks Applications", *Journal of Basic and Applied Scientific Research*, October 2012 Vol. 2, Num. 10, Page 10150-10157, October 2012,
- 47 Seyed Babak Pourpeighambar, Masoud Sabaei, "A Spatial Correlation Analysis for Moving Object Data Aggregation in WSNs", *International journal of software engineering and Its Applications*, June 2012 Vol. 6, Num. 3, Page 89-97, June 2012,

- 48 Jafar Amiri, Masoud Sabaei, Bahman Soltaninasab, "A New Energy Efficient Data Gathering Approach in Wireless Sensor Networks", Communications and Network, February 2012 Vol. 4, Num. 1, Page 61-72, February 2012,
- 49 Elham Ahmadi, Masoud Sabaei, "Improvement of Adaptive Target Tracking Protocol (ATTP) in Wireless Sensor Networks", International Journal of Computer Applications, February 2012 Vol. 39, Num. 13, Page 36-39, February 2012,
- 50 Elham Ahmadi, Masoud Sabaei, "A New Adaptive Target Tracking Protocol in Wireless Sensor Networks", International Journal of Computer Applications, August 2011 Vol. 28, Num. 10, Page 5-11, August 2011,
- 51 Elham Ahmadi, Masoud Sabaei, Mohamad Hosain Ahmadi, "A New Adaptive Method for Target Tracking in Wireless Sensor Networks", International Journal of Computer Applications, May 2011 Vol. 22, Num. 9, Page 21-29, May 2011,
- 52 Mahshid Rahnamay-Naeini, Masoud Sabaei, "A Combinational Perspective in Stimulating Cooperation in Mobile Ad Hoc Networks", JOURNAL OF COMPUTER SCIENCE AND TECHNOLOGY, March 2011 Vol. 26, Num. 2, Page 256-268, March 2011,
- 53 Fatemeh Nourazar, Masoud Sabaei, "An Adaptive Probabilistic Flooding Algorithm for Mobile Ad Hoc Networks", , February 2011 Vol. 2, Num. 6, Page 27-35, February 2011,
- 54 Masoud Sabaei, Mehdi Dehghan Takht Fooladi, Karim Faez, Majid Ahmadi, "A VHDL-based HOW/SW co-simulation of communications systems", , July 2001 Vol. , Num. 7, Page 0-0, July 2001,

Conference Papers

Portal Records







- 1 Lyla Naghipour Vijouyeh, Masoud Sabaei, Jos´E Santos, Tim Wauters, Bruno Volckaert, Filip De Turck, "Efficient Application Deployment in Fog-enabled Infrastructures ", 16th International Conference on Network and Service Management, November 2020
- 2 Ehsan Zadkhosh, Abolfazl Moridi, Hossein Bahramgiri, Masoud Sabaei, "Robust Software Defined Networks Through Dynamic MiddleBox Selection ", 25th International Computer Conference, Computer Society of Iran (CSICC), January 2020
- 3 Mohammad Farhoudi, Pooyan Habibi, Masoud Sabaei, "Server Load Balancing in Software-Defined Networks ", 9th International Symposium on Telecommunications IST2018, December 2018
- 4 Mohammad Khanjary, Masoud Sabaei, Mohammad Reza Meybodi, "Critical Density in Adjustable-Orientation Directional Sensor Networks Using Continuum Percolation ", 2nd International Conference on Computer Science and Computational Intelligence 2017, ICCSCI 2017, October 2017
- 5 Shabnam Namazkar, Masoud Sabaei, "Smart cloud-assisted computation offloading system: A dynamic approach for energy optimization ", 2017 7th International Conference on Computer and Knowledge Engineering, October 2017
- 6 Pooyan Habibi, Masoud Sabaei, "QRVE: QoS-Aware Routing and Energy-Efficient VM Placement for Software-Defined DataCenter Networks ", The Eighth International symposium on Telecommunication (IST 2016), September 2016
- 7 Mehdi Fereydooni, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, Gita Babazadeh Eslamlou, Markus Rupp, "Coverage Distribution of Heterogeneous Cellular Networks Under Unsaturated Load ", International Workshop on Link- and System Level Simulations, July 2016
- 8 Pooyan Habibi, Masoud Mokhtari, Masoud Sabaei, "E-balance: An energy aware load balancer based on distributed OpenFlow controllers ", 24th Iranian Conference on Electrical Engineering (ICEE), 2016, May 2016
- 9 Pooyan Habibi, Masoud Mokhtari, Masoud Sabaei, "E-Balance: An Energy Aware Load Balancer based on Distributed OpenFlow Controllers ", The 24th Iranian Conference on Electrical Engineering (ICEE 2016), November 2015
- 10 Seyed Ali Jokar Jandaghi, Fateneh Azadi, Masoud Sabaei, "Map-based approach to reduce region of interest in vehicular ad-hoc network ", 2014 7th International Symposium on Telecommunications (IST2014), September 2014

- 11 Behrooz Farkiani, Masoud Sabaei, "A Novel Buffer Management Policy based on Prediction in Delay Tolerant Networks ", 7th International Symposium on Telecommunications (IST2014), September 2014
- 12 Bahman Ravaei, Masoud Sabaei, Hossein Pedram, "CCPMFM: A Community-based Message Forwarding Method in Delay Tolerant Networks ", The seventh International symposium on Telecommunications, September 2014
- 13 Narges Arastouei, Masoud Sabaei, "Optimal Stochastic Model for Maximizing Delivered Messages in Opportunistic Networks ", the seventh international symposium on telecommunication, September 2014
- 14 Nastooh Taheri Javan, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "Energy & throughput tradeoff in WSN with network coding ", ICT Convergence (ICTC), 2013 International Conference on, October 2013
- 15 Hootan Zhian, Masoud Sabaei, Nastooh Taheri Javan, Omid Tavallaie, "Increasing coding opportunities using maximum-weight clique ", 5th Computer Science and Electronic Engineering Conference (CEEC), 2013, September 2013
- 16 Yaghoob Alizadeh Govarchin Galeh, Masoud Sabaei, Omid Tavallaie, "Game Theoretic Modeling of Joint Topology Control and Forwarding in MANET Based on Local Information ", 5th International Conference on Computational Intelligence and Communication Networks (CICN), 2013, September 2013
- 17 Ali Barati, Ali Movaghar, Masoud Sabaei, Samira Modiri, "Reliable Wireless Sensor Networks by Using Redundant Residue Number System ", 2013 International Conference on Advanced Computer Science and Electronics Information (ICACSEI 2013), July 2013
- 18 Hootan Zhian, Seyed Ali Jokar Jandaghi, Navid Farrokhi, Masoud Sabaei, "A multi-thread based approach for IP Address Lookup ", 21st Iranian Conference on Electrical Engineering (ICEE), 2013, May 2013
- 19 Omid Tavallaie, Hamid Reza Naji, Masoud Sabaei, Narges Arastouei, "Providing QoS Guarantee of Timeliness in Wireless Sensor Networks With a New Routing Methodology ", Sixth International Symposium on Telecommunications 2012 (IST2012), December 2012
- 20 Banafsheh Asadi, Masoud Sabaei, "Data Storage in Wireless Sensor Networks with Irregular Shapes Using Medial Axis ", Sixth International Symposium on Telecommunications 2012 (IST2012), December 2012
- 21 Montajab Ghanem, Masoud Sabaei, "Data Centric Storage with Geographic Hash Table based on Residue Number Systems for Wireless Sensor Networks ", Sixth International Symposium on Telecommunications 2012 (IST2012), December 2012
- 22 Gita Babazadeh Eslamlu, Masoud Sabaei, Mehdi Fereydooni, "Delay-Constraint Load-aware Topology Control in Wireless Sensor Networks ", 35th International Conference on Telecommunications and Signal Processing (TSP), July 2012
- 23 Mehdi Fereydooni, Masoud Sabaei, "An Optimized Model for Interference and Traffic Aware Topology Control in WSNs ", 35th International Conference on Telecommunications and Signal Processing (TSP), July 2012
- 24 Gita Babazadeh Eslamlu, Masoud Sabaei, Mehdi Fereydooni, "The Novel Delay-Constraint Topology Control Algorithm in WSNs ", 21nd Annual Wireless and Optical Communications Conference (WOCC 2012), April 2012
- 25 Mehdi Fereydooni, Gita Babazadeh Eslamlu, Masoud Sabaei, "Collision aware topology control algorithm in wireless multihop networks ", 21st Annual Wireless and Optical Communications Conference (WOCC 2012), April 2012
- 26 Seyed Babak Pourpeighambar, Masoud Sabaei, "Data Aggregation of Moving Object With Hybrid Clustering in Wireless Sensor Networks ", International Conference on Recent Advances in Computing and Software Systems (RACSS 2012), April 2012
- 27 Gita Babazadeh Eslamlu, Masoud Sabaei, Mehdi Fereydooni, "A New Delay Constraint Topology Control Algorithm in WSN ", International Conference on Innovations in Information Technology (IIT), March 2012
- 28 Seieid Babak Pour Peighambar, Mahdi Amynyyan, Masoud Sabaei, "Energy Efficient Data Aggregation of Moving Object in Wireless Sensor Networks ", Australasian Telecommunication Networks and Applications Conference (ATNAC), 2011, November 2011
- 29 M. Khanjari, Karim Faez, Mohammad Reza Meybodi, Masoud Sabaei, "Persian Gulf: An Autonomous Combined Traffic Signal Controller and Route Guidance System ", 2011 IEEE Vehicular Technology Conference, VTC2011, September 2011

- 30 Pouria Babakhani, Masoud Sabaei, "A Learning Based Rate Adaption Algorithm in 802.11n Networks ", 2011 Third International Conference on Computational Intelligence, Modelling & Simulation, September 2011
- 31 Zeynab Amiri, Masoud Sabaei, "Prediction of Hotspot in Data Centric Storage ", 6th International Conference on Digital Information Management (ICDIM 2011), September 2011
- 32 Jafar Amiri, Masoud Sabaei, Bahman Soltaninasab, "A new energy efficient data gathering approach in Wireless Sensor Networks ", International Conference on Wireless Communications, (WC 2011), June 2011
- 33 Mohammad Khanjary, Karim Faez, Mohammad Reza Meybodi, Masoud Sabaei, "Shortest Paths in Synchronized Traffic-Light Networks ", 24th Canadian Conference on Electrical and Computer Engineering, May 2011
- 34 Hamid Daneshvar Tarigh, Masoud Sabaei, "A New Clustering Method to Prolong the Lifetime of WSN ", 3th International Conference on Computer Research and Development (ICCRD 2011), 2011, March 2011
- 35 Sepehr Babaei, Masoud Sabaei, "Adaptive Data-Centric Storage in Wireless Sensor Networks ", 3rd International Conference on Computer Research and Development (ICCRD), 2011, March 2011
- 36 Bahman Soltaninasab, Masoud Sabaei, Jafar Amiri, "Improving Monte Carlo Localization Algorithm Using Time Series Forecasting Method and Dynamic Sampling in Mobile WSNs ", 2010 Second International Conference on Communication Systems, Networks and Applications, June 2010
- 37 Elham Ahmadi, Masoud Sabaei, "A new clustering structure with ability to adapt target mobility model for target tracking in Wireless Sensor Networks ", 18th Iranian Conference on Electrical Engineering, May 2010
- 38 Masoud Sabaei, "DFLS: A New Distributed and Fault Tolerant Location Service Method for Mobile Ad hoc Networks ", The 12th International Conference on Advanced Communication Technology - ICACT 2010, February 2010
- 39 Narges Arastouei, Masoud Sabaei, Hossein Ali Shirali Shahreza, "A novel approach for trade-off between computation and communication cost in wireless sensor networks ", The 12th International Conference on Advanced Communication Technology - ICACT 2010, February 2010
- 40 Masoud Sabaei, "A method based on adaptive probability for improving the performance of flooding algorithm in mobile ad hoc networks ", 15th CSI Computer Conference - CSICC10, February 2010
- 41 Hanieh Bagheri, S.Majid Nourhoseini, Masoud Sabaei, "Optimizing multiple queries based on data approximation in wireless sensor networks ", 15th CSI Computer Conference - CSICC10, February 2010
- 42 Narges Arastouei, Masoud Sabaei, M.Hassan Shirali-Shahreza, "Adaptive approach for reducing aggregation energy consumption in wireless sensor networks ", , February 2010
- 43 Karim Faez, Masoud Sabaei, "Position Based Routing Protocol with more Reliability in Mobile Ad-Hoc Network ", , November 2009
- 44 Masoud Sabaei, "An Efficient Reputation-Based Mechanism to Enforce Cooperation in MANETs ", The 3rd International Conference on Application of Information and Communication Technologies - AICT2009, October 2009
- 45 Masoud Sabaei, "DAPF: An Efficient Flooding Algorithm for Mobile Ad-hoc Networks ", International Conference on Signal Processing Systems (ICSPS 2009), May 2009
- 46 Fatemeh Mirian Hoseinabadi, Masoud Sabaei, "A Delay and Accuracy Sensitive Data Aggregation Structure in Wireless Sensor Networks ", International Conference on Information Management and Engineering - ICIME 2009, April 2009
- 47 Fatemeh Mirian Hoseinabadi, Masoud Sabaei, "A data aggregation structure based on accuracy and time delay in wireless sensor networks ", 14th CSI Computer Conference - CSICC2009, March 2009
- 48 Masoud Sabaei, "a proper routing metric for wireless sensor and mobile ad hoc networks using the signal probability model between two nodes ", 14th CSI Computer Conference - CSICC2009, March 2009
- 49 Fatemeh Mirian Hoseinabadi, Masoud Sabaei, "Data aggregation according application requirements in sensor networks ", , January 2009
- 50 Hossein Pedram, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "A New Method for Creating Efficient Security Policies in Virtual Private Network ", The 4th International Conference on Collaborative Computing: Networking, Applications and Worksharing, November 2008

- 51 Masoud Sabaei, Hossein Pedram, "Adaptive routing protocols for vehicular Ad hoc networks ", , August 2008
- 52 Masoud Sabaei, Bahman Ravaei, "Mobility Aware Clustering with Rapid Convergence in Mobile Ad Hoc Networks ", , November 2007
- 53 [en-name N/A], Seyed Sajjad Piraresh, Salman Niksefat, Masoud Sabaei, "An efficient scheme to motivate cooperation in mobile Ad hoc networks ", , June 2007
- 54 Masoud Sabaei, "Localization in Sensor Networks Through Multi-hop ALD ", , March 2007
- 55 Hadi Mirzamohamadzadeh, Masoud Sabaei, "A Two Levels Architecture for Bufferless WDM Optical Packet Switches ", , February 2007
- 56 [en-name N/A], Mohammad Reza Meybodi, Masoud Sabaei, "A Novel Method for QoS Support in Sensor Networks ", , February 2007
- 57 Ahmad Yousefi, Masoud Sabaei, Mohammad Kazem Akbari, "Optimization shared memory ATM switch structure for increase switching speed ", , February 2007
- 58 Masoud Sabaei, "Accurate Location Discovery (ALD) Algorithm for Localization in Sensor Networks ", , February 2007
- 59 Masoud Sabaei, "Integrated Routing and Dynamic Pricing Protocol for Quality of Service Enabled Networks ", , February 2007
- 60 Masoud Sabaei, [en-name N/A], "CPR A cross layer and power aware routing protocol for wireless sensor network ", , February 2007
- 61 Ahmad Tousefi, Masoud Sabaei, "Output Queue Management In Shared-Memory ATM Switches For Supporting Multicast Traffics ", , May 2006
- 62 Hadi Mirzamohamadzadeh, Masoud Sabaei, "A Two Levels Architecture for Bufferless WDM optical Packet Switches ", , April 2006
- 63 Morteza Saheb Zamani, Masoud Sabaei, "a novel reconfigurable hardware architecture for IP address lookup ", , October 2005
- 64 Mohammad Kazem Akbari, Masoud Sabaei, Vida Ferdowsi, "A CAC decision phase improvement by measurement via stationary approximation method ", , May 2005
- 65 Mohammad Kazem Akbari, Masoud Sabaei, Vida Ferdowsi, "A MBAC algorithm for packetloss sensitive services ", , May 2005
- 66 Mohammad Kazem Akbari, Masoud Sabaei, Seyedamirhesamedin Sharifian, "Traffic state based Name registration to improve QoS in Mobile IPs ", , May 2005
- 67 Masoud Sabaei, Mehdi Azarmi, "The Effect of Mobility Models on the Mobile Ad hoc Networks Routing Protocols ", , May 2005
- 68 Masoud Sabaei, Shahram Nosrati, "Perturbation Analysis of Tandem 2-Class stochastic Fluidmodels for control and optimization of Tandem networks ", , February 2005
- 69 [en-name N/A], Hossein Pedram, Masoud Sabaei, Mehdi Dehghan Takht Fooladi, "A New Algorithm for Automatic Generation of IPSEC Policies in Virtual Private Networks ", , December 2003
- 70 [en-name N/A], Hossein Pedram, Masoud Sabaei, [en-name N/A], "Providing Data Engineering Capabilities in Data Networks ", , April 2002
- 71 Masoud Sabaei, Karim Faez, Hossein Pedram, "A New ATM Restoration Method to Support Multiple Levels Of Services Reliability ", , August 2001
- 72 Masoud Sabaei, Karim Faez, Majid Ahmadi, Shervin Erfani, "A Novel VP-Based ATM restoration scheme for providing multiple restorability levels ", , May 2001
- 73 Masoud Sabaei, Karim Faez, "A fault _ Tolerant Batchers _ Banyan network for ATM Switching ", , November 1998

Taught Courses

#	Course title	Description	Headlines	Date
1	Computer Systems Performance Evaluation	This course provides an introduction to computer systems and networks model-based performance evaluation methods. In this course, students are familiar with fundamental concepts of modeling and performance evaluation of computer systems and networks.		Spring 2022
2	Computer Networks	This course provides an introduction to fundamental concepts in the design, implementation and performance evaluation of computer networks. In this course, students are familiar with computer networks architecture, services, and applications. This co		Spring 2022
3	Computer Networks	This course provides an introduction to fundamental concepts in the design, implementation and performance evaluation of computer networks. In this course, students are familiar with computer networks architecture, services, and applications. This co		Fall 2021
4	Architecture of Network Devices	This course provides an introduction to fundamental concepts in the design and implementation high performance routers and switches. In this course, students are familiar with IP router architecture, design goals and design issues		Fall 2021
5	Computer Systems Performance Evaluation	This course provides an introduction to computer systems and networks model-based performance evaluation methods. In this course, students are familiar with fundamental concepts of modeling and performance evaluation of computer systems and networks.		Spring 2021
6	Computer Networks	This course provides an introduction to fundamental concepts in the design, implementation and performance evaluation of computer networks. In this course, students are familiar with computer networks architecture, services, and applications. This co		Spring 2021