

حمیدرضا ناجی

دانشیار دانشگاه تحصیلات تکمیلی و فناوری پیشرفته، کرمان، ایران

naji@kgut.ac.ir,

زمینه های پژوهشی

- امنیت سایبری پیشرفته
- امنیت شبکه های کامپیوتری
- سیستم های کامپیوتر امن
- سیستم های تشخیص نفوذ
- تحمل پذیری خطا در شبکه های کامپیوتری

مشخصات تحصیلی:

مدارج تحصیلی	عنوان رشته	تخصص	دانشگاه محل تحصیل
دکتری	مهندسی کامپیوتر	امنیت سایبری	دانشگاه الاباما امریکا
کارشناسی ارشد	مهندسی کامپیوتر	امنیت شبکه	دانشگاه تهران
کارشناسی	مهندسی کامپیوتر	سخت افزار	دانشگاه شیراز

فعالیت آموزشی

مقاطع تدریس	دروس تدریس شده	سالهای تدریس	دانشگاه محل تدریس
کارشناسی ارشد	- امنیت سایبری پیشرفته (Advanced Cyber Securiry) - امنیت شبکه های کامپیوتری پیشرفته (Advanced Computer Networks Security) - امنیت تجارت الکترونیک	۸۸ تا کنون	تحصیلات تکمیلی صنعتی و فناوری پیشرفته

		(E-Commerce Security) -شبکه کامپیوتری پیشرفته (Advanced Copmputer Networks)	
دانشگاه شهید باهنر	۹۴-۹۵	- سیستمهای خبره امن (Secure Exper systems) -امنیت سیستمهای چند عامله (Multi-Agent Sytems Security)	کارشناسی ارشد
دانشگاه شهید بهشتی	۸۷-۸۹	-طراحی سیستمهای امبدد امن (Secure Embedded Systems Design) -سیستمهای خبره امن (Secure Exper systems)	کارشناسی ارشد
دانشگاه آزاد اسلامی کرمان	۹۹-۱۴۰۰	-امنیت سیستمهای چند عامله (Secure Exper systems) -امنیت سایبری پیشرفته (Advanced Cyber Securiry)	دکتر

فعالیت‌های پژوهشی (مقالات)

- ۱- HR Naji, S Shadravan, HM Jafarabadi, H Momeni, "Parallel design of SFO optimization algorithm based on FPGA", The Journal of Supercomputing, DOI: ۱۰,۱۰۰۷/s۱۱۲۲۷-۰۲۳-۰۵۸۵۱-۷, ۲۰۲۴
- ۲- M Afzali, A Mohammad Vali Samani, HR Naji , "An efficient resource allocation of IoT requests in hybrid fog–cloud environment", The Journal of Supercomputing, ۸۰ (۴), ۴۶۰۰-۴۶۲۶, ۲۰۲۴
- ۳- A Ayati, HR Naji , "A security mechanism for Enhanced ShockBurst wireless communication protocol using nRF۲۴L۰۱", DOI: ۱۰,۲۱۲۰۳/rs.۳.rs-۳۷۷۷۹۸۴/v۱, December ۲۰۲۳
- ۴- M Saffar, HR Naji, "Increasing the Security of Advanced Metering Infrastructure Using Dynamic Defense Methods", ۱۲th Smart Grid Conference (SGC), ۲۰۲۲
- ۵- SA Ayati, HR Naji, "A Novel IT-Based Lightweight Risk Management Framework for Metering Networks in Smart Grids", ۱۲th Smart Grid Conference (SGC), ۲۰۲۲
- ۶- SA Ayati, HR Naji , "A Secure mechanism to protect UAV communications", ۹th Iranian Joint Congress on Fuzzy and Intelligent Systems, ۲۰۲۲
- ۷- HR Naji, S Shadravan, HM Jafarabadi, H Momeni, "Accelerating sailfish optimization applied to unconstrained optimization problems on graphical processing unit", Engineering Science and Technology, an International Journal ۳۲, ۱۰۱۰۷۷, ۲۰۲۲
- ۸- Amir Iranmanesh, Hamid R. Naji, "A protocol for cluster confirmations of SDN controllers against DDoS attacks", Computers & Electrical Engineering, Volume ۹۳, July ۲۰۲۱
- ۹- Amir Iranmanesh, Hamid R. Naji, "DCHG-TS: a deadline- constrained and cost-effective hybrid genetic algorithm for scientific workflow scheduling in cloud computing", Cluster Computing, Springer, DOI: ۱۰,۱۰۰۷/s۱۰۵۸۶-۰۲۰-۰۳۱۴۵-۸, June ۲۰۲۱
- ۱۰- M Montazeri, H Naji, A Janati, "Assessing the Security Status of Picture Archiving and Communication Systems (PACS) of Kerman University of Medical Sciences to Record Data of COVID-۱۹ Patients", Journal of Health and Biomedical Informatics ۷ (۴), ۴۴۵-۴۵۲, ۲۰۲۱
- ۱۱- S Shadravan, H Naji, V Khatibi, "A Distributed Sailfish Optimizer Based on Multi-Agent Systems for Solving Non-Convex and Scalable Optimization Problems Implemented on GPU ", Journal of AI and Data Mining ۹ (۱), ۵۹-۷۱, ۲۰۲۱
- ۱۲- S Taslimi, R Faraji, A Aghasi, HR Naji, " Adaptive Edge Detection Technique Implemented on

- FPGA”, Iranian Journal of Science and Technology, Transactions of Electrical, ۲۰۲۰
- ۱۳- Matani, A., Naji, H.R. & Motallebi, H. A Fault-Tolerant Workflow Scheduling Algorithm for Grid with Near-Optimal Redundancy. *J Grid Computing, Elsevier*, ۱۸, Pages ۳۷۷-۳۹۴, ۲۰۲۰.
- ۱۴- S. Shadravan, H.R. Naji, V.K. Bardsiri, The Sailfish Optimizer: A novel nature-inspired metaheuristic algorithm for solving constrained engineering optimization problems, *Engineering Applications of Artificial Intelligence*, Vol. ۸۰, Pages ۲۰-۳۴, ۲۰۱۹
- ۱۵- Ebrahim Mohammadi, Roohollah Fadaeinedjad & Hamid Reza Naji (۲۰۱۹) Design, electromechanical simulation, and control of a variable speed stall-regulated PMSG-based windturbine, *International Journal of Green Energy*, Volume ۱۶- Issue ۱۲, Pages ۸۹۰-۹۰۰, ۲۰۱۹
- ۱۶- E. Mohammadi, R. Fadaeinedjad and H. R. Naji, "Platform for design, simulation, and experimental evaluation of small wind turbines," in *IET Renewable Power Generation*, vol. ۱۳, no. ۹, ۱۰۷۶-۱۰۸۶, ۲۰۱۹
- ۱۷- A. H. Fakhteh, H. R. Naji, Increasing The Network Control Ability and Flexibility In Incremental Switch Deployment for Hybrid Software-Defined Networks, ۹th International Conference on Computer and Knowledge Engineering (ICCKE ۲۰۱۹), Ferdowsi University of Mashhad, October ۲۴-۲۵ ۲۰۱۹.
- ۱۸- E. Mohammadi, R. Fadaeinedjad, H. R. Naji and G. Moschopoulos, "Investigation of Horizontal and Vertical Wind Shear Effects Using a Wind Turbine Emulator," in *IEEE Transactions on Sustainable Energy*, vol. ۱۰, no. ۳, pp. ۱۲۰۶- ۱۲۱۶, July ۲۰۱۸
- ۱۹- E Mohammadi, R Fadaeinedjad, HR Naji, “Using a new wind turbine emulator to analyze tower shadow and yaw error effects”, *Energy Conversion and Management* ۱۷۴, ۳۷۸-۳۸۷, ۲۰۱۸
- ۲۰- E Mohammadi, R Fadaeinedjad, HR Naji, “Flicker emission, voltage fluctuations, and mechanical loads for small-scale stall-and yaw-controlled wind turbines”, *Energy Conversion and Management* ۱۶۵, ۵۶۷-۵۷۷, ۲۰۱۸
- ۲۱- Mojtaba Maleknejad, Reza Faghih Mirzaee, Keivan Navi, Hamid Reza Naji, A capacitive multi-threshold threshold gate design to reach a high-performance PVT-tolerant ϵ : γ compressor by carbon nanotube FETs, *Analog Integrated Circuits and Signal Processing*, Volume ۹۴, Issue ۲, pp ۲۳۳-۲۴۶, February ۲۰۱۸
- ۲۲- Mojtaba Maleknejad, Somayyeh Mohammadi, Seyed Mostafa Mirhosseini, Keivan Navi, Hamid Reza Naji, Mehdi Hosseinzadeh, A low-power high-speed hybrid multi-threshold full adder design in CNFET technology, *Journal of Computational Electronics* (۲۰۱۸) <https://doi.org/10.1007/s10820-018-1170-z>
- ۲۳- M Maleknejad, S Mohammadi, K Navi, HR Naji, M Hosseinzadeh, “A CNFET-based hybrid multi-threshold ۱-bit full adder design for energy efficient low power applications”, *International Journal of Electronics* ۱۰۵ (۱۰), ۱۷۵۳-۱۷۶۸, ۲۰۱۸
- ۲۴- Amin Yoosefi, Hamid Reza Naji, “A Clustering Algorithm for Scheduling Task Graphs on Multi-Core Reconfigurable Systems”, *IEEE Transactions on Parallel and Distributed Systems*, Vol. ۲۸, No. ۴, October ۲۰۱۷, pp. ۲۷۱۸-۲۷۳۲.
- ۲۵- Omid Tavallaie, Hamid Reza Naji, "RTEA: Real-Time and Energy Aware Routing for Industrial Wireless Sensor Networks", *Wireless Personal Communications*, ۹۵ (۴), ۴۶۰۱-۴۶۲۱, ۲۰۱۷
- ۲۶- F. Khorasani, H. R. Naji, “Energy Efficient Data Aggregation in Wireless Sensor Networks Using Neural Networks”, *International Journal of Sensor Networks*, ۲۴ (۱), ۲۶-۴۲, ۲۰۱۷
- ۲۷- Maryam Sabet, Hamid Reza Naji, “An energy efficient multi-level route-aware clustering algorithm for wireless sensor networks: A self-organized approach”, *Computers and Electrical Engineering*, Elsevier, <http://dx.doi.org/10.1016/j.compeleceng.2016.07.009>, Pp. ۱-۱۹, August ۲۰۱۶
- ۲۸- Hamid Reza Naji, Najmeh Rezaee, “Parallel Massive Data Monitoring and Processing Using Sensor Networks”, *IEEE Conference on Intelligence and Security Informatics (ISI)*, ۲۲۵-۲۳۰, ۲۰۱۶.
- ۲۹- Nasim Amiri, Hamid Reza Naji, “Increasing the security of cloud computing using a security control center”, ۱st International Conference on New Research Achievements in Electrical & Computer Engineering, May ۱۴th, ۲۰۱۶, Tehran, Iran
- ۳۰- Parvaneh Hajipour, Hamid Reza Naji, “Increasing the security of pre-copy based virtual machine live migration”, The ۳rd International conference on Applied Researches in Computer and Information Technology, Feb. ۴th, ۲۰۱۶, Tehran, Iran
- ۳۱- Omolbanin Soltani Nejad, Hamid Reza Naji, Seyed Amin Shahamiri, “Developing a new optimized

- method to control robot arms using FPGA”, The 3rd National conference & 1st International conference on applied researches in electrical, mechanical & mechanics engineering, Feb 2016, Iran
- 32- Ali Reza Sargazi Zadeh, Hamid Reza Naji, “Increasing the security and reliability of NFC-based electronic payment systems”, The 3rd International conference on Applied Researches in Computer and Information Technology, Feb. 4th, 2016, Tehran, Iran
- 33- Amin Yoosefi, Hamid Reza Naji, “A hierarchical cluster-based model with run-time reconfigurable resource allocation on FPGAs”, 2nd IEEE International Conference on VLSI Systems, Architectures, Technology and Applications (VLSI-SATA 2016), 10-12 Jan. 2016, Bengaluru, India
- 34- Zohre Saeedi, Hamid Reza Naji, “Finger print authentication using parallel processing based on FPGA, GPU and HPC”, 1st International Conference on New Research Achievements in Electrical & Computer Engineering, May 14th, 2016, Tehran, Iran
- 35- Samira Tahmasbpour, Hamid Reza Naji, “A survey on face identification based on FPGA and GPU”, 1st International Conference on New Research Achievements in Electrical & Computer Engineering, May 14th, 2016, Tehran, Iran
- 36- Parvaneh Hajipour, Hamid Reza Naji, “Developing a method to improve virtual machine live migration using pre-copy”, International conference on Information Technology, Computer & Communication, Nov. 19th, 2016, Tehran, Iran
- 37- Mahdiyeh Farzan nia, Hamid Reza Naji, Hossein Nezamabadipour, Fatemeh Barani, “Selecting effective features in mobile AdHoc networks based on ABACO algorithm”, The 4th Iranian joint congress on fuzzy and intelligent systems, Sept. 2016, Sistan-Baluchestan, Iran
- 38- Alamaeh Matani, Hamid Reza Naji, Hassan Motalebi, “Reliable flow-work scheduling based on multi-level critical path in grid computing”, The second congress on Iran's new technologies, Sept. 2016, Iran
- 39- Zahra Zare, Hamid Reza Naji, “A survey on clustering algorithms of wireless sensor networks”, The first congress on Iran's new technologies, Feb. 2016, Tehran, Iran
- 40- Alamaeh Matani, Hamid Reza Naji, Hassan Motalebi, “The optimization of resource allocation in flow-work scheduling in grid computing”, The first congress on Iran's new technologies, Feb. 2016, Iran
- 41- Zahra Zare, Hamid Reza Naji, “Secure energy efficient data aggregation in wireless sensor networks based on Homomorphic encryption”, The first congress on Iran's new technologies, Feb. 2016, Iran
- 42- SS Karbalaee, E Karimi, HR Naji, SM Ghasempoori, SM Hosseini, Mina Abdollahi, “Investigation of the traffic noise attenuation provided by roadside green belts”, Fluctuation and Noise Letters 14 (04), 1500036, 2015
- 43- SJ Jafari, HR Naji, M Jannatifar, “Investigating performance metrics for evaluation of content delivery networks”, Service Research and Innovation, 131-145, 2015
- 44- Mohammad Ali Lotfi, Hamid Reza Naji, “Security of Electronic Services in Wireless Networks and Environments”, International Journal of Review in Life Sciences, ISSN: 2231-2930, Volume 6, Issue 4, Oct-Dec, pp. 51-55, 2015
- 45- Maryam Sabet, Hamid Reza Naji, “A decentralized energy efficient hierarchical cluster-based routing algorithm for wireless sensor networks”, AEU - International Journal of Electronics and Communications, Elsevier, Volume 69, Issue 5, pp. 790-799, May 2015
- 46- AS Haghighi, I Zare, A Fallahi, RJ Boshari, A Haghnegahdar, H Naji, “Dynamic modeling of flexible tail for bio-inspired dogfish shark (Squalus acanthias)-inchworm with multifunctional locomotion”, 9th Iranian Conference of Electrical and Electronics Engineering, 126-132, 2015
- 47- ARS Haghighi, I Zare, AR Fallahi, HR Naji, A Bahreini, “Bio-inspired micro-robot with microactuators ICPF and floating collector Skimmer”, 9th Iranian Conference on Electrical and Electronics Engineering, 123-139, 2015
- 48- Maliheh Shahryari, Hamid Reza Naji, “A cluster base approach for wormhole attack detection in wireless sensor networks”, Journal of Advanced Computer Science & Technology, Vol 4, No. 1, pp. 90-102, January 2015
- 49- Mouloud Heidari, Akbar Noori, Hamid Reza Naji, “Effect of using mobile sink and clustering on energy consumption in wireless sensor networks”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 23, pp. 1-16, March 2015

- ۵۰- B Nouri-Moghaddam, HR Naji, "A novel authentication and access control framework in wireless sensor networks", Journal of Advanced Computer Science & Technology ۴ (۱), ۱۲۲-۱۳۵, ۲۰۱۵
- ۵۱- A. Mahani, D. Afrasiabi, H. R. Naji , "A Novel Fault Tolerant Switch for Reliable NoC Design", Journal of Circuits, Systems, and Computers, Vol. ۲۳, No. ۱۰, pp. ۱-۲۱, December ۲۰۱۴
- ۵۲- R. Faraji, H.R. Naji, "Adaptive Technique for Overcoming Performance Degradation Due to Aging on 1T SRAM Cells", IEEE Transactions on Device and Materials Reliability, Vol. ۱۴, No. ۲, pp. ۱۰۳۱-۱۰۴۰, ۲۰۱۴
- ۵۳- Rasoul Faraji, Hamid Reza Naji, "An Efficient Crossover Architecture for Hardware Parallel Implementation of Genetic Algorithm", Neuro Computing, Elsevier, Vol ۱۲۸, pp. ۳۱۶- ۳۲۷, ۲۰۱۴
- ۵۴- R. Faraji, H.R. Naji, M. Rahimi-nezhad, M. Arabnejad, "New SRAM design using body bias technique for low-power and high-speed applications", International Journal of Circuit Theory and Applications, John Wiley & Sons Publications, Vol. ۴۲, Issue ۱۱, pp. ۱۱۸۹-۱۲۰۲, November ۲۰۱۴
- ۵۵- R. Faraji, A. Rouholamini, H.R. Naji, R. Fadaeinedjad, M.R. Chavoshian, "FPGA-based Real Time INC MPPT controller for Photovoltaic Systems", IET Power Electronics, Vol. ۷, Issue ۵, May ۲۰۱۴
- ۵۶- A Chekini, HR Naji, "FPGA Implementation of JPEG and JPEG۲۰۰۰-Based Dynamic Partial Reconfiguration on SOC for Remote Sensing Satellite On-Board Processing", Journal of Space Science and Technology, Vol. ۷, No. ۱, Spring ۲۰۱۴
- ۵۷- AK Esfahani, H Naji, H Sanatnama, "Improving the IP routing table update using clustering technique", International Conference on Computer Communication and Informatics (ICCCI), ۲۰۱۴
- ۵۸- A Ebrahimi, F Koropi, H Naji, "Increasing the security of SCADA systems using key management and hyper elliptic curve cryptography", 9th Symposium on Advances in Sci. & Technology, ۲۰۱۴
- ۵۹- SG Najafabadi, HR Naji, A Mahani, "Sybil attack Detection: Improving security of WSNs for smart power grid application", Smart Grid Conference (SGC), ۲۷۳-۲۷۸, ۲۰۱۳
- ۶۰- MR Zakerhaghighi, HR Naji, "Whale algorithm for image processing, a hardware implementation", 4th Iranian Conference on Machine Vision and Image Processing (MVIP), ۲۰۱۳
- ۶۱- B Nouri-Moghaddam, HR Naji, "Improving HBQ Authentication and Access control in wireless sensor network", The ۵th Conference on Information and Knowledge Technology, ۸۲-۸۷, ۲۰۱۳
- ۶۲- SJ Jafari, HR Naji, "GeoIP clustering: Solving replica server placement problem in content delivery networks by clustering users according to their physical locations", The ۵th Conference on Information and Knowledge Technology, ۵۰۲-۵۰۷, ۲۰۱۳
- ۶۳- M Montazeri, M Montazeri, HR Naji, A Faraahi, "A novel memetic feature selection algorithm", The ۵th Conference on Information and Knowledge Technology, ۲۹۵-۳۰۰, ۲۰۱۳
- ۶۴- SMA Mousavi, HR Naji, RE Atani, "Optimization of majority protocol for controlling transactions concurrency in distributed databases by multi-agent systems", International Journal of Applied Operational Research, ۱(۳), ۲۰۱۳
- ۶۵- Hamid Reza Naji, Mina Sohrabi, Esmat Rashedi, "A High Speed and Performance Optimization Algorithm Based on Gravitational Approach", IEEE Journal of Computing in Science and Engineering, Vol. ۱۴, No. ۵, pp. ۵۶-۶۲, ۲۰۱۳
- ۶۶- M. Aminian, H. R. Naji , "A Hospital Healthcare Monitoring System Using Wireless Sensor Networks", Health & Medical Informatics, Vol ۴. Issue ۲, ۲۰۱۳
- ۶۷- M Montazeri, HR Naji, M Montazeri, "Memetic feature selection algorithm based on efficient filter local search", Journal of Basic and Applied Scientific Research ۳ (۱۰), ۱۲۶-۱۳۳, ۲۰۱۳
- ۶۸- O Tavallaie, HR Naji, M Sabaei, N Arastouie, "Providing QoS guarantee of timeliness in wireless sensor networks with a new routing methodology", 7th International Symposium on Telecommunications (IST), ۶۷۴-۶۷۹, ۲۰۱۲
- ۶۹- AN Emamzade, M Heidari, HR Naji, "A study on the effect of applying clustering on sink movement for data gathering in wireless sensor networks", 2nd International eConference on Computer and Knowledge Engineering, ۲۰۱۲
- ۷۰- E Amiri, E Afshar, HR Naji, MM Ardekani, "Survey on network access control technology in

- MANETs", International Conference on Innovation Management and Technology, ۲۰۱۲
- ۷۱- MV Malakooti, AP Tafti, HR Naji, "An efficient algorithm for human cell detection in electron microscope images based on cluster analysis and vector quantization techniques", Second International Conference on Digital Information and Communication Technology and its Applications (DICTAP), ۲۰۱۲
- ۷۲- M Karimi, HR Naji, S Golestani, "Optimizing cluster-head selection in wireless sensor networks using genetic algorithm and harmony search algorithm", ۲۰th Iranian conference on electrical engineering (ICEE۲۰۱۲), ۷۰۶-۷۱۰, ۲۰۱۲
- ۷۳- S. Mehrzad Almasi, Hamid Reza Naji, Reza E. Atani, "Use of multi-agent system approach for concurrency control of transactions in distributed databases", CICI۲۰۱۲
- ۷۴- Media Aminian, Amin Moradi, Hamid Reza Naji, "Earthquak Prediction by Study on Vital Signs of Animals in Wireless Sensor Network by Using Multi Agent Systems", CICI۲۰۱۲
- ۷۵- Akbar Noori, Mouloud Heidari, Hamid Reza Naji "A study on the effect of applying clustering on sink movement for data gathering in wireless sensor networks", ۲nd International eConference on computer and knowledge engineering (ICCKE), Mashhad, ۲۰۱۲
- ۷۶- Ehsan Amiri Afshar Alham, Hamid Reza Naji, Mahdi Ardekani, "Survey on Network Access Control Technology in Manet", International Conference on Management and Innovation Technology Research, Malaysia, ۲۰۱۲
- ۷۷- Shervin Ehrampoosh, Ahmad Hakimi, Hamid Reza Naji, "An optimized high gain CMOS LNA using simulated annealing and modified genetic algorithm", The ۹th Iranian conference on Electrical engineering, Tehran, Iran, ۲۰۱۱.
- ۷۸- Hajar Baghcheband, Hamid Reza Naji, Amir. Farzamian, "Increasing the Security in Wireless Sensor Networks using Multi-agent based Crypto Sensor Nodes", International Conference on Information Communication and Management (ICICM۲۰۱۱), ۲۰۱۱
- ۷۹- M Khani, HR Naji, M Malakooti, "A New Method for Conceptual Classification of Multi-label Texts in Web Mining Based on Ontology", International Joint Conference on Advances in Signal Processing and Information Technology, ۴۳-۴۸, ۲۰۱۱
- ۸۰- HR Naji, M Sohrabi, E Rashedi, "A high-speed, performance-optimization algorithm based on a gravitational approach", Computing in Science & Engineering ۱۴ (۵), ۵۶-۶۲, ۲۰۱۱
- ۸۱- Hoda Jalalkamali, Hamid Reza Naji, "A new high performance PBV-based approach for simultaneous packet classification and conflict detection", International Journal of Internet Protocol Technology, Vol. ۶, No. ۲, pp. ۱۰۲-۱۱۱, ۲۰۱۱
- ۸۲- Hamid Reza Naji, Davod Khosroanjom and Abolghasem Rajabi. "Smartening Production Process of Industrial Papers". International Journal of Computer Applications, Published by Foundation of Computer Science, ۱۲(۱۰):۷-۱۱, January ۲۰۱۱.
- ۸۳- Hamid Reza Naji, "High Performance Physical Environmental Security using Distributed Cooperative Sensor Nodes", International Journal of Computer Applications, Vol ۱۲- No. ۶, ۲۰۱۰
- ۸۴- Saeed Ezzati, Hamid Reza Naji, Amir Chegini, "Intelligent Firewall on Reconfigurable Hardware", European Journal of Scientific Research, ISSN ۱۴۵۰-۲۱۶X, Vol. ۴۷ No. ۴, ۵۰۹- ۵۱۶, ۲۰۱۰.
- ۸۵- Hamid Reza Naji, "Reconfigurable Parallel Data Flow Architecture", (IJCSIS) International Journal of Computer Science and Information Security, Vol. ۷, No. ۲, ۲۰۱۰
- ۸۶- Hamid Reza Naji, Hossein Farahmand, Masoud RashidiNejad, "Capability Evaluation of Embedded Systems, Cell Phone Case Study", International Journal of Computer Applications, Volume ۹- No. ۱۰, pp. ۴۱-۴۷, ۲۰۱۰
- ۸۷- Hamid Reza Naji, Hossein Farahmand, Masoud RashidiNejad, "Decision-Making Model based on Capability Factors for Embedded Systems", Proceedings of The Int. Conf. on Network Security and Soft Computing Technologies (NSSCT ۲۰۱۰), Jeju Island, Korea, ۲۰۱۰
- ۸۸- Amir Chegini, Hamid Reza Naji and Saeed Ezzati, "A new method of hardware firewall implementation on SOC", The ۵th International Conference for Internet Technology and Secured

Transactions (ICITST-2010), London, UK. 2010.

- 89- Mojgan Brahman, Hamid Reza Naji, "Optimizing Time and Cost of Implementation of Complex Mathematical Equations", 4th Global Conference on Power Control and Optimization (PCO'2010), Sarawak, Malaysia, 2010.
- 90- Kherad, F.J., Naji, H.R., Malakooti, M.V., Haghighat, P., "A new symmetric cryptography algorithm to secure e-commerce transactions", Proceedings of The International Conference on Financial Theory and Engineering (ICFTE), Dubai, 2010.
- 91- Hamid Reza Naji, "New Methodologies for Secure Information and Communication Technology", The 2nd International Conference on Computing, Communications and Control Technologies: CCCT2009, Orlando, Florida, 2009.
- 92- Mojtaba Sadeghi, Hamid Reza Naji, "Secure Authentication Mechanism in Mobile Internet Protocol Version 6", 2nd International Conference on Advanced Computer Theory and Engineering (ICACTE 2009), Cairo, Egypt, 2009.
- 93- Hamid Reza Naji, Soroush Shirali, RTU Hardware Design of SCADA Systems Using FPGA", 2nd International Conference on Computer and Electrical Engineering (ICCEE 2009) Dubai, UAE, 2009.
- 94- Amir Chegini, Hamid Reza Naji, "Hardware Firewall implementation on chip (SoC)", 14th International CSI computer conference (CSICC'09), Terhran, Iran, 2009.
- 95- Masoud Javidi, Hamid R. Naji, "Secure E-Commerce using Multi-Agents", International Journal of Business Information Systems, InderScience Publishers, Vol. 4, Issue 1, Pages 460-476, 2009.
- 96- Hamid R. Naji, "Solving Large Computational Problems using Multi-Agents Implemented in Hardware", IEEE Journal of Computing in Science and Engineering, Vol. 10, No. 6, Pages 64-73, 2008.
- 97- Hamid R. Naji, "Sensor Fusion using Hardware Agents, An Implementation Example" Proceedings of the 3rd International conference on Industrial Informatics (INDIN 09) Perth, Australia, August 2009.
- 98- 104- Hamid R. Naji, "A Generic Organization for Sensor Fusion using Hardware Agents," The International conference on Cybernetic and Information Technologies, Systems and Applications (CITSA 2009) Orlando, Florida.
- 99- Hamid R. Naji, B. Earl Wells, Letha Etzkorn, "Applying Multi Agent Techniques to Reconfigurable Systems," Journal of Advances in Software Engineering, Elsevier Science Publication, Vol. 30/1 pp 41-413, 2004.
- 100- Hamid R. Naji, B. Earl Wells, Letha Etzkorn, "Creating an Adaptive Embedded System by Applying Multi-Agent Technology to Reconfigurable Hardware", Future Generation Computer Systems, Elsevier Science Publication, Vol 20/6 pp 1000-1011, 2004.
- 101- Hamid R. Naji, B. Earl Wells, "Fuzzy Sensor Fusion using Hardware Agents", The WAC2004 (World Automation Congress), Seville, Spain. Hamid R. Naji, "Adaptive Data Flow Architecture," Proceedings of the IEEE 2003 Southeastern Symposium on System Theory, Morgantown, WV, March 2003.
- 102- Hamid R. Naji, Letha Etzkorn, B. Earl Wells, Hardware agents: A New Approach to Support Development and Management of Information Systems, Proceedings of the 2nd World Multiconference on Systemics, Cybernetics and Informatics, July 2002, Orlando, Florida.
- 103- Hamid R. Naji, Letha Etzkorn, Reza Adhami, B. Earl Wells, Parallel Image Processing with Agent-based Reconfigurable Hardware, Proceedings of the 10th Int. Conf. on Parallel and distributed Comp. Systems (PDCS2002), Sep. 2002, Louisville, KY.
- 104- Hamid R. Naji, John Weir, B. Earl Wells, "Applying the Multi- Agent Paradigm to Reconfigurable Hardware, A Sensor Fusion Example," Proceedings of the Second International Work Shop on Intelligent Systems Design and Application (ISDA2002), Atlanta, GA, August 2002.
- 105- Hamid R. Naji, B. Earl Wells, M. Aborizka, "Hardware Agents," Proceedings of the ISCA 11th

- International Conference on Intelligent Systems on Emerging Technologies(ICIS-۲۰۰۲), Boston, MA, July ۲۰۰۲
- ۱۰۶- Hamid R. Naji ,B. Earl Wells,“On Incorporating Multi Agents in Combined Hardware /Software based Reconfigurable Systems, A General Architectural Framework,” Proceedings of the IEEE ۲۰۰۲ Southeastern Symposium on System Theory, Huntsville, AL , March ۲۰۰۲.
- ۱۰۷- Hamid R. Naji, Letha Etzkorn, B. Earl Wells, Hardware agents: A New Approach to Support Development and Magnagement of Information Systems, Proceedings of the ۶th World Multiconference on Systemics, Cybernetics and Informatics , July ۲۰۰۲, Orlando, Florida.
- ۱۰۸- Hamid R. Naji, Letha Etzkorn, Reza Adhami, B. Eral Wells, Parallel Image Processing with Agent-based Reconfigurable Hardware, Proceedings of the ۱۵th Int. Conf. on Parallel and distributed Comp. Systems(PDCS۲۰۰۲), Sep.۲۰۰۲, Louisville, KY.
- ۱۰۹- Hamid R. Naji, John Weir, B. Earl Wells,“ Applying the Multi- Agent Paradigm to Reconfigurable Hardware , A Sensor FusionExample ,” Proceedings of the Second International Work Shopon Intelligent Systems Design and Application (ISDA۲۰۰۲), Atlanta ,GA, August ۲۰۰۲.
- ۱۱۰- Hamid R. Naji ,B. Earl Wells, M. Aborizka, “Hardware Agents,”Proceedings of the ISCA ۱۱th International Conference on Intelligent Systems on Emerging Technologies(ICIS-۲۰۰۲), Boston, MA, July ۲۰۰۲
- ۱۱۱- Hamid R. Naji ,B. Earl Wells,“On Incorporating Multi Agents in Combined Hardware /Software based Reconfigurable Systems, A General Architectural Framework,” Proceedings of the IEEE ۲۰۰۲ Southeastern Symposium on System Theory, Huntsville, AL. , March ۲۰۰۲.

طرح ها، پروژه‌ها، پایان نامه ها

ردیف	موضوع (طرح، پروژه، پایان نامه)	عنوان	تاریخ اتمام	ملاحظات
۱	پایان نامه	استفاده از الگوریتم های یادگیری ماشین جهت پیشگیری و جلوگیری از نفوذ در شبکه های کامپیوتری	۱۴۰۱	
۲	پایان نامه	استفاده از هوش مصنوعی در راستای توسعه راهکارهای امن سازی اینترنت اشیا پزشکی	در حال انجام	
۳	پایان نامه	توسعه اینترنت اشیا پزشکی و مدیریت ریسک آن با استفاده از هوش مصنوعی توضیح پذیر	در حال انجام	
۴	پایان نامه	استفاده از الگوریتم های یادگیری جمعی جهت توسعه بهینه سازی SFO	در حال انجام	
۵	پایان نامه	توسعه یک سیستم خبره با الگوریتمهای یادگیری ماشین جهت تشخیص تومورهای مغزی	در حال انجام	

ردیف	موضوع (طرح، پروژه، پایان نامه)	عنوان	تاریخ اتمام	ملاحظات
۶	پایان نامه	استفاده از هوش مصنوعی در جهت تشخیص بیماری ها از تصاویر پزشکی	در حال انجام	
۷	طرح پژوهشی	توسعه سیستمهای امبدد با استفاده از هوش مصنوعی برای تشخیص وقایع	دی ۱۴۰۳	
۸	طرح پژوهشی	سیستم هوشمند نوبت دهی صف و محاسبه پویای زمان انتظار	دی ۱۴۰۳	
۹	طرح	استخراج ویژگی ها و انتخاب لاگ های حساس با الگوریتم های هوش مصنوعی از سیستمهای مدیریت لاگ	پروپوزال ارسال شده	