

Hamid Reza Naji

***Associate Professor of
Computer Engineering & Information Technology,***

Artificial Intelligence Society of Iran, Founding Board Member

Journal of Intelligent & Cognitive Computing, Managing Director

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Education:

- Ph.D. , Computer Engineering, University of Alabama, Huntsville, AL, USA,
- M.S.E., Computer Engineering, Tehran University, Tehran, Iran,
- B.S.E. , Computer Engineering, Shiraz University , Shiraz, Iran,

Current positions:

- Associate professor of Computer Engineering, College of Electrical and Computer Engineering, Graduate University of Advanced Technology
- PITC and PGP Companies CEO & Co-founder,

Academic Work Experience:

- **Associate Professor:** Department of Computer Engineering, Graduate University of Advanced Technology, 2008-present
- **Assistant Professor:** Department of Computer Engineering, Shahid Beheshti University, Thran, Iran, 2006-2008
- **Assistant Professor:** Department of Computer Engineering, University of Sharjah, Sharjah, UAE, 2004-2005
- **Assistant Professor:** Department of Computer Engineering, Jackson State University, Jackson, MS, USA, 2004

Industrial work experience:

I have over 20 years of experience within Academic and Industrial environments as professor, researcher, manager, consultant, designer and R&D engineer in different areas of automation, embedded systems, sensor networks, computer networks, cyber security, intelligent and multi agent systems. I am working as R&D manager in PITC, PGP Companies

Key Skills and positions

- Researcher
- Project Manager
- Systems developer, IT strategy developer
- R&D Engineer/Manager
- Workshop Developer/Organizer
- Instructor & Trainer

Computer Skills

- Computer Networks (Design, and Management).
- Network Security Design (Design, and Management).
- Artificial Intelligence System Design
- Data Center (Designing, Consulting, Implementing)
- Digital and Embedded Systems using FPGA (Design and Manufacturing)

Areas of Interest and Experience

- Embedded and Hardware/Software Co-design
- Computer Networks & Information Security
- IOT & Sensor Networks
- Intelligent & Multi Agent Systems
- Expert Systems
- Cloud computing & Distributed Processing

Professional Certificates:

- ISO27001, BS7799 Lead Auditor Certificate, Germany
- Embedded(Software/Hardware) Systems Developer, Xilinx Inc., USA,
- Advanced FPGA Designer, Xilinx Inc., USA

Journals' reviewer and referee

- IEEE Transactions on Information Forensics and Security.
- The Journal of Computational Intelligence and IT Application of Computers & Industrial Engineering
- Journal of Autonomous Agents and Multi-Agent Systems, Springer.

Conferences' reviewer and referee

- The International conference on Cybernetic and Information Technologies, Systems and Applications (CITSA), Since 2004.
- The International Conference on Information Systems Analysis and Synthesis (ISAS), Since 2008.
- The International Conference on computing, communication and control Technologies: CCCT, Since 2009.

Professional Membership:

- IEEE, Senior Member
- Artificial Intelligence Society of Iran, Founding Board Member
- International Society for Computers and Their Applications(ISCA), Member

Publications

- One book and more than 100 published peer-reviewed journal and conference papers

Research Area:

- IoT & Wireless Sensor Networks
- Computer Networks and Information Security
- Embedded Systems and Hardware/Software co-design
- Intelligent Multi Agent Systems
- Parallel & Distributed Processing

Teaching Experience:

Taught Courses in undergraduate/graduate levels:

- Computer Networks & Network Security
- Computer Architecture & Embedded Systems
- Intelligent Multi Agent Systems
- Expert Systems
- Parallel & Distributed Processing

Book (Author):

- 1- **Hamid Reza Naji**, Hardware Agents, Concepts and Applications. LAP LAMBERT Academic Publishing GmbH & Co. KG, USA, 2012.

Publications in the area of:**“Embedded Systems”, “Wireless Sensor Networks”, “Information Security”, “IOT”, “AI”, “Smart Grids & Renewable Energy”:**

- 1- HR Naji, S Shadravan, HM Jafarabadi, H Momeni, “Parallel design of SFO optimization algorithm based on FPGA”, The Journal of Supercomputing, DOI: 10.1007/s11227-023-05851-7, 2024
- 2- M Afzali, A Mohammad Vali Samani, HR Naji , “An efficient resource allocation of IoT requests in hybrid fog–cloud environment” , The Journal of Supercomputing, 80 (4), 4600-4626, 2024
- 3- A Ayati, HR Naji , “A security mechanism for Enhanced ShockBurst wireless communication protocol using nRF24L01”, DOI: 10.21203/rs.3.rs-3777984/v1, December 2023
- 4- M Saffar, HR Naji, “Increasing the Security of Advanced Metering Infrastructure Using Dynamic Defense Methods”, 12th Smart Grid Conference (SGC), 2022
- 5- SA Ayati, HR Naji, “A Novel IT-Based Lightweight Risk Management Framework for Metering Networks in Smart Grids”, 12th Smart Grid Conference (SGC), 2022
- 6- SA Ayati, HR Naji , “A Secure mechanism to protect UAV communications”, 9th Iranian Joint Congress on Fuzzy and Intelligent Systems, 2022
- 7- 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 32, 101077, 2022
- 8- Amir Iranmanesh, Hamid R. Naji, “A protocol for cluster confirmations of SDN controllers against DDoS attacks”, Computers & Electrical Engineering, Volume 93, July 2021
- 9- 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: 10.1007/s10586-020-03145-8, June 2021

- 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-19 Patients", *Journal of Health and Biomedical Informatics* 7 (4), 445-452, 2021
- 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* 9 (1), 59-71, 2021
- 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*, 2020
- ۱۳- Matani, A., Naji, H.R. & Motallebi, H. A Fault-Tolerant Workflow Scheduling Algorithm for Grid with Near-Optimal Redundancy. *J Grid Computing, Elsevier*, 18, Pages 377–394, 2020
- 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. 80, Pages 20–34, 2019
- ۱۵- Ebrahim Mohammadi, Roohollah Fadaeinedjad & Hamid Reza Naji (2019) Design, electromechanical simulation, and control of a variable speed stall-regulated PMSG-based windturbine, *International Journal of Green Energy*, Volume 16- Issue 12, Pages 890-900, 2019
- ۱۶- E. Mohammadi, R. Fadaeinedjad and H. R. Naji, "Platform for design, simulation, and experimental evaluation of small windturbines," in *IET Renewable Power Generation*, vol.13, no.9, 1576-1586, 2019
- ۱۷- A. H. Fakhteh, H. R. Naji, Increasing The Network Control Ability and Flexibility In Incremental Switch Deployment for Hybrid Software-Defined Networks, 9th International Conference on Computer and Knowledge Engineering (ICCCKE 2019), Ferdowsi University of Mashhad, October 24-25 2019.
- 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. 10, no. 3, pp. 1206- 1216, July 2018
- 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* 174, 378-387, 2018
- 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* 165, 567-577, 2018
- ۲۱- Mojtaba Maleknejad, Reza Faghieh Mirzaee, Keivan Navi, Hamid Reza Naji, A capacitive multi-threshold threshold gate design to reach a high-performance PVT-tolerant 4:2 compressor by carbon nanotube FETs, *Analog Integrated Circuits and Signal Processing*, Volume 94, Issue 2, pp 233–246, February 2018
- 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* (2018) <https://doi.org/10.1007/s10825-018-1175-z>
- ۲۳- M Maleknejad, S Mohammadi, K Navi, HR Naji, M Hosseinzadeh, "A CNFET-based hybrid multi-threshold 1-bit full adder design for energy efficient low power applications", *International Journal of Electronics* 105 (10), 1753-1768, 2018
- 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. 28, No. 4, October 2017. pp. 2718-2732.
- ۲۵- Omid Tavallaie, Hamid Reza Naji, "RTEA: Real-Time and Energy Aware Routing for Industrial Wireless Sensor Networks", *Wireless Personal Communications*, 95 (4), 4601-4621, 2017
- ۲۶- F. Khorasani, H. R. Naji, "Energy Efficient Data Aggregation in Wireless Sensor Networks Using Neural Networks", *International Journal of Sensor Networks*, 24 (1), 26-42, 2017
- 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. 1-19, August 2016
- ۲۸- Hamid Reza Naji, Najmeh Rezaee, "Parallel Massive Data Monitoring and Processing Using Sensor Networks", *IEEE Conference on Intelligence and Security Informatics (ISI)*, 225-230, 2016.
- ۲۹- Nasim Amiri, Hamid Reza Naji, "Increasing the security of cloud computing using a security control center", 1st International Conference on New Research Achievements in Electrical & Computer Engineering, May 14th, 2016, Tehran, Iran
- ۳۰- Parvaneh Hajipour, Hamid Reza Naji, "Increasing the security of pre-copy based virtual machine live migration", The 3rd International conference on Applied Researches in Computer and Information Technology, Feb. 4th, 2016, 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

- ۳۲- 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
- ۳۳- 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
- ۳۴- 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
- ۳۵- 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
- ۳۶- 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, 2015, Tehran, Iran
- ۳۷- Mahdijeh 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. 2015, Sistan-Baluchestan, Iran
- ۳۸- 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. 2015, Iran
- ۳۹- Zahra Zare, Hamid Reza Naji, "A survey on clustering algorithms of wireless sensor networks", The first congress on Iran's new technologies, Feb. 2015, Tehran, Iran
- ۴۰- 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. 2015, Iran
- ۴۱- 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. 2015, Iran
- ۴۲- SS Karbalaei, 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), 1550036, 2015
- ۴۳- SJ Jafari, HR Naji, M Jannatifar, "Investigating performance metrics for evaluation of content delivery networks", Service Research and Innovation, 131-145, 2015
- ۴۴- Mohammad Ali Lotfi, Hamid Reza Naji, "Security of Electronic Services in Wireless Networks and Environments", International Journal of Review in Life Sciences, ISSN: 2231- 2935, Volume 5, Issue 4, Oct-Dec, pp. 51-55, 2015
- ۴۵- 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
- ۴۶- 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", 7th Iranian Conference of Electrical and Electronics Engineering, 126-132, 2015
- ۴۷- ARS Haghighi, I Zare, AR Fallahi, HR Naji, A Bahreini, "Bio-inspired micro-robot with microactuators ICPF and floating collector Skimmer", 7th Iranian Conference on Electrical and Electronics Engineering, 133-139, 2015
- ۴۸- Maliheh Shahryari, Hamid Reza Naji, "A cluster base approachfor wormhole attack detection in wireless sensor networks", Journal of Advanced Computer Science & Technology, Vol 4,No. 1, pp. 95-102, January 2015
- ۴۹- 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 4 (1), 122-135, 2015
- ۵۱- A. Mahani, D. Afrasiabi, H. R. Naji , "A Novel Fault Tolerant Switch for Reliable NoC Design", Journal of Circuits, Systems, and Computers, Vol. 23, No. 10, pp. 1-21, December 2014
- ۵۲- R.Faraji, H.R.Naji, "Adaptive Technique for Overcoming Performance Degradation Due to Aging on 6T SRAM Cells", IEEE Transactions on Device and Materials Reliability, Vol.14,No.2, pp. 1031-1040, 2014
- ۵۳- Rasoul.Faraji, Hamid Reza Naji, "An Efficient Crossover Architecture for Hardware Parallel Implementation of Genetic Algorithm", Neuro Computing, Elsevier, Vol 128,pp.316- 327, 2014
- 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 CircuitTheory and Applications, John Wiley& Sons Publications, Vol.42, Issue 11, pp. 1189-1202, November 2014

- 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. 7, Issue 5, May 2014
- ۵۶- A Chekini, HR Naji, "FPGA Implementation of JPEG and JPEG2000-Based Dynamic Partial Reconfiguration on SOC for Remote Sensing Satellite On-Board Processing", Journal of Space Science and Technology, Vol. 7, No. 1, Spring 2014
- ۵۷- AK Esfahani, H Naji, H Sanatnama, "Improving the IP routing table update using clustring technique", International Conference on Computer Communication and Informatics (ICCCI), 2014
- 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, 2014
- ۵۹- SG Najafabadi, HR Naji, A Mahani, "Sybil attack Detection: Improving security of WSNs for smart power grid application", Smart Grid Conference (SGC), 273-278, 2013
- ۶۰- MR Zakerhaghighi, HR Naji, "Whale algorithm for image processing, a hardware implementation", 8th Iranian Conference on Machine Vision and Image Processing (MVIP), 2013
- ۶۱- B Nouri-Moghaddam, HR Naji, "Improving HBQ Authentication and Access control in wireless sensor network", The 5th Conference on Information and Knowledge Technology, 82-87, 2013
- 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 5th Conference on Information and Knowledge Technology, 502-507, 2013
- ۶۳- M Montazeri, M Montazeri, HR Naji, A Faraahi, "A novel memetic feature selection algorithm", The 5th Conference on Information and Knowledge Technology, 295-300, 2013
- 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, 1(3), 2013
- 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. 14, No. 5, pp. 56-62, 2013
- ۶۶- M.Aminian, H. R. Naji, "A Hospital Healthcare Monitoring System Using Wireless Sensor Networks", Health & Medical Informatics, Vol 4. Issue 2, 2013
- ۶۷- M Montazeri, HR Naji, M Montazeri, "Memetic feature selection algorithm based on efficient filter local search", Journal of Basic and Applied Scientific Research 3 (10), 126-133, 2013
- ۶۸- O Tavallaie, HR Naji, M Sabaei, N Arastouie, "Providing QoS guarantee of timeliness in wireless sensor networks with a new routing methodology", 6th International Symposium on Telecommunications (IST), 674-679, 2012
- 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, 2012
- ۷۰- E Amiri, E Afshar, HR Naji, MM Ardekani, "Survey on network access control technology in MANETs", International Conference on Innovation Management and Technology, 2012
- 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), 2012
- ۷۲- M Karimi, HR Naji, S Golestani, "Optimizing cluster-head selection in wireless sensor networks using genetic algorithm and harmony search algorithm", 20th Iranian conference on electrical engineering (ICEE2012), 706-710, 2012
- ۷۳- S. Mehrzad Almasi, Hamid Reza Naji, Reza E. Atani, "Use of multi-agent system approach for concurrency control of transactions in distributed databases", CICI2012
- ۷۴- Media Aminian, Amin Moradi, Hamid Reza Naji, "Earthquak Perdition by Study on Vital Signs of Animals in Wireless Sensor Network by Using Multi Agent Systems", CICI2012
- ۷۵- Akbar Noori, Moulood Heidari, Hamid Reza 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 (ICCKE), Mashhad, 2012
- 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, 2012
- ۷۷- Shervin Ehrampoosh, Ahmad Hakimi, Hamid Reza Naji, "An optimized high gain CMOS LNA using simulated annealing and modified genetic algorithm", The 9th Iranian conference on Electrical engineering, Tehran, Iran, 2011.

- ٧٨- 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 (ICICM2011), 2011
- ٧٩- 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, 43-48, 2011
- ٨٠- HR Naji, M Sohrabi, E Rashedi, "A high-speed, performance-optimization algorithm based on a gravitational approach", Computing in Science & Engineering 14 (5), 56-62, 2011
- ٨١- 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. 6, No. 2, pp. 102-111, 2011
- ٨٢- 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, 12(10):7-11, January 2011.
- ٨٣- Hamid Reza Naji, "High Performance Physical Environmental Security using Distributed Cooperative Sensor Nodes", International Journal of Computer Applications , Vol 12- No.6, 2010
- ٨٤- Saeed Ezzati, Hamid Reza Naji, Amir Chegini, "Intelligent Firewall on Reconfigurable Hardware", European Journal of Scientific Research, ISSN 1450-216X, Vol.47 No.4, 509- 516, 2010
- ٨٥- Hamid Reza Naji, "Reconfigurable Parallel Data Flow Architecture", (IJCSIS) International Journal of Computer Science and Information Security, Vol. 7, No. 2, 2010
- ٨٦- Hamid Reza Naji, Hossein Farahmand, Masoud RashidiNejad, "Capability Evaluation of Embedded Systems, Cell Phone Case Study", International Journal of Computer Applications, Volume 9- No.10, pp.41-47, 2010
- ٨٧- 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 2010), Jeju Island, Korea, 2010
- ٨٨- Amir Chegini, Hamid Reza Naji and Saeed Ezzati, "A new method of hardware firewall implementation on SOC", The 5th International Conference for Internet Technology and Secured Transactions (ICITST-2010), London, UK. 2010.
- ٨٩- 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.
- ٩٠- 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
- ٩١- Hamid Reza Naji, "New Methodologies for Secure Information and Communication Technology", The 7th International Conference on Computing, Communications and Control Technologies: CCCT2009, Orlando, Florida, 2009
- ٩٢- 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
- ٩٣- 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
- ٩٤- Amir Chegini, Hamid Reza Naji, "Hardware Firewall implementation on chip (SoC)", 14th International CSI computer conference (CSICC'09), Terhran, Iran, 2009.
- ٩٥- 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
- ٩٦- Hamid R. Naji, "Solving Large Computational Problems using Multi-Agents Implemented in Hardware", IEEE Journal of Computing in Science and Engineering, Vol. 10, No. 5, Pages 54-63, 2008
- ٩٧- Hamid R. Naji, "Sensor Fusion using Hardware Agents, An Implementation Example" Proceedings of the 3rd International conference on Industrial Informatics (INDIN 05) Perth, Australia, August 2005.
- ٩٨- 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 2005) Orlando, Florida.
- ٩٩- 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. 35/7 pp 401-413, 2004.

- ١٠٠- 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 1055-1081, 2004.
- ١٠١- 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.
- ١٠٢- Hamid R. Naji, Letha Etzkorn, B. Earl Wells, Hardware agents: A New Approach to Support Development and Management of Information Systems, Proceedings of the 6th World Multiconference on Systemics, Cybernetics and Informatics, July 2002, Orlando, Florida.
- ١٠٣- Hamid R. Naji, Letha Etzkorn, Reza Adhami, B. Earl Wells, Parallel Image Processing with Agent-based Reconfigurable Hardware, Proceedings of the 15th Int. Conf. on Parallel and distributed Comp. Systems (PDCS2002), Sep. 2002, Louisville, KY.
- ١٠٤- 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 Workshop on Intelligent Systems Design and Application (ISDA2002), Atlanta, GA, August 2002.
- ١٠٥- Hamid R. Naji, B. Earl Wells, M. Aborizka, "Hardware Agents," Proceedings of the ISCA 11th International Conference on Intelligent Systems on Emerging Technologies (ICIS-2002), Boston, MA, July 2002.
- ١٠٦- 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 2002 Southeastern Symposium on System Theory, Huntsville, AL, March 2002.
- ١٠٧- Hamid R. Naji, Letha Etzkorn, B. Earl Wells, Hardware agents: A New Approach to Support Development and Management of Information Systems, Proceedings of the 6th World Multiconference on Systemics, Cybernetics and Informatics, July 2002, Orlando, Florida.
- ١٠٨- Hamid R. Naji, Letha Etzkorn, Reza Adhami, B. Earl Wells, Parallel Image Processing with Agent-based Reconfigurable Hardware, Proceedings of the 15th Int. Conf. on Parallel and distributed Comp. Systems (PDCS2002), Sep. 2002, Louisville, KY.
- ١٠٩- 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 Workshop on Intelligent Systems Design and Application (ISDA2002), Atlanta, GA, August 2002.
- ١١٠- Hamid R. Naji, B. Earl Wells, M. Aborizka, "Hardware Agents," Proceedings of the ISCA 11th International Conference on Intelligent Systems on Emerging Technologies (ICIS-2002), Boston, MA, July 2002.
- ١١١- 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 2002 Southeastern Symposium on System Theory, Huntsville, AL, March 2002.