

Curriculum Vitae

Mahmood Ahmadi

Current address: Room 208, Second floor,
Computer and Information Technology Department,
Razi University
Kermanshah
Iran
Phone: +98- (0)9188565459 (mobile)
E-mail: m.ahmadi@razi.ac.ir

Personal:

Date of birth: September 23, 1973
Place of birth: *Kohdasht, Iran*
Gender: Male
Nationality: *Iranian*
Marital status: Married

Current position: Assistant professor at Computer Engineering and Information Technology Department, Faculty of Engineering, Razi University, Kermanshah, Iran.

Education:

Postdoc	2010 – 2012	Delft University of Technology (TU Delft), Delft, The Netherlands
PhD	2005 – 2010	Delft University of Technology (TU Delft), Delft, The Netherlands Major: Computer Engineering <i>PhD Thesis:</i> “ <i>High-performance Processing in Networked and Grid Environments</i> ”
M.Sc.	1995 – 1998	Amirkabir University of Technology (Polytechnique Tehran) Tehran, Iran Major: Computer Architecture Minor: Signal Processing Some MS courses: Advanced computer architecture, Digital signal processing, Digital speech signal processing, Microprogramming, Advanced computer networks, structural pattern recognition <i>Thesis:</i> “ <i>Automatic Transcription and Time Alignment of Farsi Speech Database using Gaussian Mixture HMM</i> ” <i>Advisor:</i> Dr. Mohammad Mehdi Homayounpour
B.Sc.	1991 – 1995	Isfahan University Isfahan, Iran Major: Hardware Engineering <i>Thesis:</i> “ <i>Designing and Implementation the Keyboard Sounding System</i> ” <i>Advisor:</i> Dr. Abbas Vafaei

Teaching Experience:

September ’1999 to December 2020 (Computer Engineering and Information Technology Department, Razi University, Iran)

- I have been responsible for developing and teaching the following courses:
 - ‘Operating systems concept’ (4st year Computer Engineering BSc)
 - ‘Computer system architecture’ (3rd year Computer Engineering BSc)
 - ‘Data Communication’ (3rd year Computer Engineering BSc)
 - ‘Computer Programming’ (1nd year Computer Engineering BSc)

- ‘File systems structure’ (3rd year Computer Engineering BSc)
- ‘Computer networks’ (4th year Computer Engineering BSc)
- ‘Internet of Things’ (3rd year Computer Engineering BSc)
- ‘Advanced computer networks’ (1st year Computer Engineering MSc)
- ‘Performance evaluation of computer networks’ (1st year Computer Engineering MSc)
- ‘Advanced computer architecture’ (1st year Computer Engineering MSc)
- ‘Multimedia networking’ (1st year Computer Engineering MSc)
- ‘Storage area networks’ (1st year Computer Engineering MSc)
- ‘Architecture of network systems’ (1st year Computer Engineering PhD)
- Advanced topics in computer networks’ (1st year Computer Engineering PhD)
- I have guided more than (50) BSc final projects.
- I have guided (22) MSc student.
- I have guided (4) PhD student.
- I am guiding (5) MSc students.
- I am guiding (5) PhD students.

Research Interests: Packet processing and classification, Software defined networking, Named data networking, Open source networking, Traffic classification, Internet of things, Computer architecture and engineering, High-performance computing, Cloud computing, Network processor architectures, Bloom filters theory and its applications, and Approximate membership query data structures.

Awards:

1. Academic first rank in computer engineering in Amirkabir University of Technology (Tehran polytechnic) in Iran 1998.
2. Research assistantship grant, Computer and Electronic Engineering Department, University of Nebraska Lincoln, Omaha, USA, 2006.
3. Research scholarship grant, Computer Engineering Research Laboratory, Faculty of Electrical Engineering, Mathematics and Computer Science, Delft University of Technology (TU Delft), the Netherlands, 2006.
4. Accepted as research associate at INRIA Rennes, France, 2010.
5. Selected as distinguished researcher in Computer Engineering Department of Razi University, 2013, and 2014.
6. Selected as distinguished researcher in Computer Engineering Department of Razi University, 2017, and 2018.

Professional Activities:

Some projects:

- Designing and implementation of a Neomorphic accelerator with Lille University, (2015-2017).
- Designing and implementation of forecasting system of Metrological and Climatology Organization of Kermanshah, 2017-2018.
- Managing and administrating of IT center of Razi University, 2011-2017.
- Advising of Regional electric company of West area in Kermanshah, 2018-2019.
- Administrating the smart farm using IoT in Kermanshah provience, 2019-2020.

Work experiences and some important academic activities:

1. *1996-1997: Developing of the software system of Parchin chemical technology factory - Tehran, Including analysis and design of the information systems.*
2. *1998-2005: Lecturer at Razi University, Faculty of Engineering, Department of Computer Engineering.*
3. *1997-1998: Part time activities at the research council of the Amirkabir University of Technology included programming with SUPRA RDBMS, Tehran, Iran.*
4. *1998-2005: Administration and management of the network and ITC center at the Razi University, including designing and developing backbone as well as configuring all the university network system servers as the following: Designing backbone, installing network topology, configuring network routers, bridges and switches, configuring servers including Mail, Web, DNS, Cache, and FTP servers.*

5. 2003-2005: Management and administration of Computer department of Jahad Daneshgahi University of Kermanshah, Iran.
6. 2002-2005: Member of ICT committee in Kermanshah province, Kermanshah, Iran.
7. 2003: Sponsoring of the Internet application training workshop at the Razi University.
8. 2004: Sponsoring of the training workshop for the network subordinate administrators, Kermanshah, Iran.
9. 2004: Sponsoring of the Internet and computer networks application training Workshop at the Razi University.
10. 2005: Sponsoring of the Linux training Workshop at the Razi University.
11. 2009: Involvement as PC member in the first international conference on adaptive and self-adaptive systems and applications (Adaptive 2009)(<http://www.iaria.org/conferences2009/ComADAPTIVE09.html>).
12. 2010: Involvement as PC member in the second international conference on adaptive and self-adaptive systems and applications (Adaptive 2010)(<http://www.iaria.org/conferences2010/ComADAPTIVE10.html>).
13. 2011: Involvement as PC member in the second international conference on adaptive and self-adaptive systems and applications (Adaptive 2011)(<http://www.iaria.org/conferences2011/ComADAPTIVE11.html>).
14. 2014: Involvement as PC member in the sixth international conference on Information and Knowledge Technology (IKT 2014) (<http://www.ikt-2014.ir/>).
15. 2014: Involvement as PC member in 4th International Conference on Knowledge-Based Engineering and Innovation (KBEI-2017) (<http://kbei.ir/en/>).
16. 2012-2107: Management of ITC center of Razi University

Publications:

Books

1. M. Ahmadi, "High-performance Processing in Grid and Networked Environments", LAP Lambert Academic Publishing, ISBN-13: 978-3844391459, May 2011.

Journal articles

1. R. Atefinia, and M. Ahmadi, "Network Intrusion Detection using Multi-Architectural Modular Deep Neural Network", Accepted in *Journal of Supercomputing*, 2020.
2. H. Alimohammadi, and M. Ahmadi, "Common Non-Wildcard Portion-Based Partitioning Approach to SDN Many-Field Packet Classification", in *Journal of Computer Networks*, Volume 181, November 2020.
3. M. Al-hisnawi, and M. Ahmadi, "Detecting and Mitigating DDoS Attack in Named Data Networking", in *Journal of Network and Systems Management*, Volume 28, No. 3, October 2020
4. A. Abdulhassan, and M. Ahmadi, "Many-field Packet Classification Using C-R-Tree", in *Journal of High Speed Networks*, Volume 26, No. 2, March, 2020
5. H. Alimohammadi, and M. Ahmadi, "Clustering-based many-field packet classification in Software-Defined Networking", in *Journal of Network and Computer Application*, Volume 147, December 2019.
6. R. Shubbar, and M. Ahmadi, "A Filter-Based Design of Pending Interest Table in Named Data Networking", in *Journal of Network and Systems Management*, Volume 27, No. 4, October 2019.
7. A. Abdulhassan, and M. Ahmadi, "Cuckoo Filter-based Many-Field Packet Classification using X-tree", in *Journal of Supercomputing*, Volume 75, No. 9, September 2019.
8. M. Najafimehr, and M. Ahmadi, "SLCF: Single-hash Lookup Cuckoo Filter", in *Journal of High Speed Networks*, Volume 25, No. 3, September, 2019.
9. R. Shubbar, and M. Ahmadi, "Efficient name matching based on a fast two-dimensional filter in named data networking", accepted in *International Journal of Parallel, Emergent and Distributed Systems*, Volume 34, No. 2, 2019.
10. S. Soleimanzadeh, M. Ahmadi, M. Nasiri, "SD-WLB: An SDN-aided Mechanism for Web Load Balancing Based on Server Statistics", *journal of Electronics and Telecommunications Research Institute (ETRI)*, Volume 41, Issue 2, April 2019, Pages 197-206.
11. M. Al-hisnawi, and M. Ahmadi, "QCF for deep packet inspection", in *IET Networks*, Volume 7, No. 5, September, 2018
12. M. Fatahi, and M. Ahmadi, M. Shahsavari, A. Ahmadi, P. Boulet, and P. Devienne "Rate-coded DBN: An online strategy for spike-based deep belief networks", in *Biologically Inspired Cognitive Architectures*, Volume 24, April, 2018
13. S. Abdi, L. Pourkarimi, M. Ahmadi, and F. Zargari "Cost minimization for bag-of-tasks workflows in a federation of clouds", in *Journal of Supercomputing*, Volume 74, No. 6, June, 2018

14. A. Karamolahi, A. Chalechle, and M. Ahmadi "Energy Consumption Improvement and Cost Saving by Cloud Broker in Cloud Datacenters", in *The International Arab Journal of Information Technology*, Volume 15, No. 3, May, 2018
15. A. Abdulhassan, and M. Ahmadi, "Many-field Packet Classification Using AMQ-R-Tree", in *Journal of High Speed Networks*, Volume 24, No. 3, March, 2018
16. R. Falamarzi, B. Bahrambiegi, M. Ahmadi, and A. Rajabzadeh "High-performance multi/many-core architectures with shared and private queues: Network processing approaches", in *Journal of High Speed Networks*, Volume 24, No. 3, March, 2018
17. A. Arghavani, M. Arghavani, M. Ahmadi, and P. Crane "Attacker-Manager Game Tree (AMGT): A New Framework for Visualizing and Analysing the Interactions Between Attacker and Network Security Manager", in *Computer Networks*, Volume 133, March, 2018
18. N. Abdolmaleki, M. Ahmadi, H. Tabatabaei, and S. Milardo "Fuzzy topology discovery protocol for SDN-based wireless sensor networks", in *Simulation Modelling Practice and Theory*, Volume 79, December, 2017
19. R. Shubbar, and M. Ahmadi, "Fast 2D Filter with Low False Positive for Network Packet Inspection", in *IET Networks*, Volume 6, Issue 6, November 2017
20. M. Soursouri, and M. Ahmadi, "Adaptive Resource Allocation for Software Defined Networking Controllers", in *Journal of High Speed Networks*, Volume 23, No. 3, June, 2017
21. S. Abdi, L. Pourkarimi, M. Ahmadi, and F. Zargari, "Cost minimization for deadline-constrained bag-of-tasks applications in federated hybrid clouds", in *Future Generation Computer Systems*, Volume 71, No. 6, June, 2017
22. B. Bharambaeigy, M. Ahmadi, M. Fazlali, "Towards accelerating IP lookups on commodity PC routers using Bloom Filter: Proposal of Bloom-Bird", in *Journal of Information Systems and Telecommunication (JIST)*, Volume 5, No. 1, January, 2017
23. M. Al-hisnawi, and M. Ahmadi, "Deep Packet Inspection Using Quotient Filter", in *IEEE Communication Letter*, Volume 20, No. 11, November, 2016
24. P. Goodarzi, H. Tabatabaei Malazi, and M. Ahmadi, "Khorramshahr: A Scalable Peer to Peer Architecture for Port Warehouse Management System", in *Journal of Network and Computer Applications*, Volume 76, No. 12, December, 2016
25. M. Ahmadi, and E. Zadkhosh, "A Customized and Reconfigurable VLIW-based Packet Classifier on p-VEX", in *Journal of High Speed Networks*, Volume 22, No. 2, June, 2016
26. A. Keramollahi, A. Chalechale and M. Ahmadi, "Energy consumption improvement and cost saving by Cloud broker in Cloud datacenters", in *The International Arab Journal of Information Technology*, Volume 15, No. 5, September, 2018.
27. S. M. Sajjadian, and H. Tabatabaei Malazi and M. Ahmadi, "Memory Efficient Routing Using Bloom Filters in Large Scale Sensor Networks", in *Springer Journal of Personal Wireless Communication*, Volume 83, No. 3, page 1221-1240, August, 2015
28. M. Ahmadi, and S. Mehdizadeh Khalifani, "A New look at Hybrid Aloha: An Analytical Approach", *Elsevier Journal of Computer Networks*, Volume 91, page 689-699, November, 2015.
29. K. Karimi, A. Ahmadi, and M. Ahmadi, "Parallel Implementation of Linux Packet Filtering", *The CSI Journal on Computer Science and Engineering (JCSE)*, Volume 11, Issue 2, 2015, Pages 24-30.
30. A. Arghavani, M. Arghavani, A. Sargazi, M. Ahmadi, "Modeling and Stimulating Node Cooperation in Wireless Ad-hoc Networks", *journal of Electronics and Telecommunications Research Institute (ETRI)*, Volume 37, Issue 1, February 2015, Pages 77-88.
31. Sh. Geravand, and M. Ahmadi, "An Efficient and Scalable Plagiarism Checking System using Bloom Filters", *Elsevier Computers and Electrical Engineering*, Volume 40, Issue 6, August 2014, Pages 1789-1800.
32. Sh. Geravand, and M. Ahmadi, "Bloom Filter Applications in Network Security: A State of the Art Survey", in *Elsevier Computer Networks*, Volume 57, Issue 18, September 2013, Pages 4047-4064.
33. M. Ahmadi, A. Shahbahrami and S. Wong, "Collaboration of Reconfigurable Processors in Grid Computing: Theory and Application", *Journal of Future Generation Computer Systems*, Volume 27, Issue 6, Pages 850-859, June 2011.
34. M. Ahmadi, and S. Wong, "A Cache Architecture for Counting Bloom Filters: Theory and Application", *Journal of Electrical and Computer Engineering*, Volume 2011.
35. R. Isvand Khatami, and M. Ahmadi, "High Throughput Multi-Pipeline Packet Classifier on FPGA", *The CSI Journal on Computer Science and Engineering (JCSE)*, Volume 9, No. 2, 2011, Pages 42-51.
36. R. Rasouli, M. Ahmadi, and A. Ahmadvand, "Energy Consumption Estimation in Clustered Wireless Sensor Networks Using M/M/1 Queuing Model", *International Journal of Wireless and Mobile Networks (IJWMN)*, Vol. 5, No. 1, 2013.

Book chapters

1. S. Anousha, M. Ahmadi, "A New Heuristic Algorithm for Improving Total Completion Time in Grid Computing ", in *Multimedia and Ubiquitous Engineering, Lecture Notes in Computer Science, Volume 308, 2014, pp 17-26, 2014.*
2. S. Anousha, M. Ahmadi, "An Improved Min-Min Task Scheduling Algorithm in Grid Computing", in *Advances in Grid and Pervasive Computing, Lecture Notes in Computer Science, Volume 7861, 2013, pp 103-113, 2013.*
3. E. Zadkhosh, S. Fatahi, M. Ahmadi, "Performance Analysis of Reconfigurable Processors Using MVA Analysis", in *Reconfigurable Computing: Architectures, Tools and Applications, Lecture Notes in Computer Science, Volume 7199/2012, pages 342-349, 2012.*
4. M. Ahmadi, A. Shahbahrani and S. Wong, "Collaboration of Reconfigurable Processors in Grid Computing for Multimedia Kernels", in *Advances in Grid and Pervasive Computing, Lecture Notes in Computer Science Volume 6104, 2010, pp 5-14, 2010.*

Conference proceedings

1. Z. Farhadi, and M. Ahmadi, "Implementation of multiple routing tables in software routers ", in *2017 IEEE 4th International Conference on Knowledge-Based Engineering and Innovation (KBEI), Iran, March, 2018.*
2. A. Abdulhassan, and M. Ahmadi, "Parallel many fields packet classification technique using R-tree ", in *2017 Annual Conference on New Trends in Information & Communications Technology Applications (NTICT), Iraq, March, 2017.*
3. M. Al-hisnawi, and M. Ahmadi, "Deep packet inspection using Cuckoo filter ", in *2017 Annual Conference on New Trends in Information & Communications Technology Applications (NTICT), Iraq, March, 2017.*
4. M. Fatahi, M. Ahmadi, A. Ahmadi, M. Shahsavari, and P. Devienne " Towards an Spiking Deep Belief Network for Face Recognition Application ", in *6th International Conference on Computer and Knowledge Engineering (ICCKE 2016), Mashhad, Iran, October, 2016 (best paper).*
5. M. Fatahi, M. Ahmadi, A. Ahmadi, M. Shahsavari, and P. Devienne " evt_MNIST: A spike based version of traditional MNIST an event-based MNIST ", in *First International Conference on New Research Achievements in Electrical and Computer Engineering, Iran, May, 2016.*
6. F. Bahrami, B. Bahrambeigy and M. Ahmadi " Longest Prefix Matching using Rectangular-Tree ", in *5th International Conference on Computer and Knowledge Engineering (ICCKE 2015), Mashhad, Iran, October, 2015.*
7. R. Nikbazm, M. Dashtbani and M. Ahmadi " Enabling SDN on a Special Deployment of OpenStack ", to appear in *5th International Conference on Computer and Knowledge Engineering (ICCKE 2015), Mashhad, Iran, October, 2015.*
8. M. Gholami, Y. Soukhtehzari, M. Haghighi, B. Bahrambeigy and M. Ahmadi " A High Performance Click-based Packet Classifier on GPU ", to appear in *5th International Conference on Computer and Knowledge Engineering (ICCKE 2015), Mashhad, Iran, October, 2015.*
9. E. Doostsadi, R. Asemi, M. Ahmadi, H. Tabatabaei Malazi, "Energy Efficiency in Virtual Machines Allocation for Cloud Data Centers using the Imperialist Competitive Algorithm", to appear in *The 5th IEEE International Conference on Big Data and Cloud Computing (BDCloud 2015), Dalian, China, August, 2015.*
10. R. Falamarzi, B. Bahrambeigy, M. Ahmadi, A. Rajabzadeh "High-performance Multi/Many-core Network Processing Architectures with Shared and Private Queues", to appear in *The 7th International Conference on Information and Knowledge Technology (IKT 2015), Urmia, Iran, May, 2015.*
11. S. Shahsafi, B. Bahrambeigy and M. Ahmadi "Bloom filter-based IP Traceback on Netfilter Open-source Framework", to appear in *The 7th International Conference on Information and Knowledge Technology (IKT 2015), Urmia, Iran, May, 2015.*
12. R. Nikbazm, and M. Ahmadi "Agent-Based Resource Discovery In Cloud Computing Using Bloom Filter", in *Proceedings of 4rd International eConference on Computer and Knowledge Engineering (ICCKE 2014), Mashhad, Iran, October, 2014.*
13. B. Bahrambeigy, M. Ahmadi, and M. Fazlali "Bloom-Bird: A Scalable OpenSource Router Based On Bloom Filter ", in *Proceedings of The 22nd Iranian Conference on Electrical Engineering (ICEE 2014), Tehran, Iran, May, 2014.*
14. K. Karimi, A. Ahmadi, M. Ahmadi, and B. Bahrambeigy "Acceleration of IPTABLES Linux Packet Filtering using GPGPU ", in *Proceedings of Symposium on Computer Science and Software Engineering (CSSE-2013), Tehran, Iran, December, 2013.*

15. F. Pournaghдали, A. Rajabzadeh, and M. Ahmadi "VHDL-SFI: A Simulation-based Multi-Bit Fault Injection for Dependability Analysis", in *Proceedings of 3rd International eConference on Computer and Knowledge Engineering (ICCKE 2013)*, Mashhad, Iran, October, 2013.
16. M. Eslamdoost, M. Ahmadi, A. Ahmadi and Sh. Gomar "Fast Multi-Match Packet Classification Using Index Bits", in *Proceedings of 3rd International eConference on Computer and Knowledge Engineering (ICCKE 2013)*, Mashhad, Iran, October, 2013.
17. R. Isvand Khatami, M. Ahmadi, "High Throughput Multi-Pipeline Packet Classifier on FPGA", in *Proceedings of The 17th CSI International Symposium on Computer Architecture and Digital Systems (CADS 2013)*, Tehran, Iran, October, 2013.
18. H. Yousefi, M. Ahmadi, H. Roshani, "Fast Sequence Alignment Algorithm Using Bloom Filter", in *The 16th CSI Symposium on Artificial Intelligence and Signal Processing*, Shiraz, Iran, May, 2012.
19. Sh. Geravand and M. Ahmadi, "A Novel Adjustable Matrix Bloom Filter-based Copy Detection System for Digital Libraries", in *The 11th IEEE International Conference on Computer and Information Technology (CIT 2011)*, (Pafos, Cyprus), August 2011.
20. F. Nadeem, S. A. Ostadzadeh, M. Ahmadi, M. Nadeem and S. Wong, "A Novel Dynamic Task Scheduling Algorithm for Grid Networks with Reconfigurable Processors", in *5th HiPEAC Workshop on Reconfigurable Computing (WRC 2011)*, (Heraklion, Crete), January 2011.
21. F. Nadeem, M. Ahmadi, M. Nadeem and S. Wong, "Modeling and Simulation of Reconfigurable Processors in Grid Networks", in *International Conference on ReConfigurable Computing and FPGAs (ReConFig 2010)*, (Cancun, Mexico), December 2010.
22. M.F. Nadeem, F. Anjam, S. A. Ostadzadeh, M. Ahmadi and S. Wong, "Towards the Utilization of Reconfigurable Processors in Grid Networks", in *the proceedings of the 21th Annual Workshop on Circuits, Systems and Signal Processing (ProRISC 2010)*, (Veldhoven, The Netherlands), November 2010.
23. M. Ahmadi, F. Nadeem and S. Wong, "Towards the Performance Analysis of Reconfigurable Hardwares in Grid Networks", in *Proceedings of the 23th Canadian Conference on Electrical and Computer Engineering (CCECE-2010)*, (Calgary, Canada), May 2010.
24. A. Shahbahrami, M. Ahmadi, and S. Wong, "A New Approach to Implement Discrete Wavelet Transform using Collaboration of Reconfigurable Elements", in *Proceedings of the International Conference on Reconfigurable Computing and FPGA (RECONFIG-09)*, (Cancun, Mexico), December 2009.
25. M. Ahmadi, and S. Wong, "K-Stage Pipelined Bloom Filter for Packet Classification", in *Proceedings of the 7th IEEE/IFIP International Conference on Embedded and Ubiquitous Computing (EUC-09)*, (Vancouver, Canada), August 2009.
26. A. Azarian, and M. Ahmadi, "Reconfigurable Computing Architecture Survey and introduction", in *Proceedings of the 2th IEEE International Conference on Computer Science and Information Technology*, (Beijing, China), August 2009.
27. M. Ahmadi, A. Ostadzadeh, and S. Wong, "Rule-set Database Inspection: Towards knowledge Utilization in Packet Processing", in *Proceedings of International Conference on the Latest Advances in Networks (ICLAN-2008)*, pp. 127-132, (Toulouse, France), December 2008.
28. M. Ahmadi, and S. Wong, "On incorporating Reconfiguration Architectures into Grid environments using GridSim", in *the Proceedings of the 19'th Annual Workshop on Circuits, Systems and Signal Processing, ProRisc 2008*, (Veldhoven, The Netherlands), November 2008.
29. M. Ahmadi, and S. Wong, "A Memory-optimized Bloom Filter using An Additional Hashing Function", in *proceedings of IEEE Globecom 2008 Next Generation Networks, Protocols, and Services Symposium*, (New Orleans, USA), December 2008.
30. S. Wong, and M. Ahmadi, "Reconfigurable Architectures in Collaborative Grid Computing: An Approach", in *Proceedings of the Second International conference on Networks for Grid Applications (Grid-Nets 2008)*, (Beijing, China), October 2008.
31. M. Ahmadi, and S. Wong, "An Approach for Optimal Bandwidth Allocation in Packet Processing systems", in *Proceedings of sixth Annual IEEE/ACM conference on Communication Networks and Services Research 2008 (CNSR 2008)*, pp. 208-214, (Halifax, Canada), May 2008.
32. M. Ahmadi, and S. Wong, "A Cache Architecture for Counting Bloom Filters", in *Proceedings of 15'th IEEE International Conference on Networks (ICON2007)*, pp. 218-223, (Adelaide, Australia), November 2007.
33. M. Ahmadi, and S. Wong, "Modified Collision Packet Classification Using Counting Bloom Filter In Tuple Space", in *Proceedings of the 25'th IASTED International Conference on Parallel and Distributed Computing and Networks (PDCN 2007)*, pp. 70-76, (Innsbruck, Austria), February 2007.
34. M. Ahmadi, and S. Wong, "Hashing Functions Performance in Packet Classification", in *Proceedings of International Conference on the Latest Advances in Networks (ICLAN-2007)*, pp. 127-132, (Paris, France), December 2007.

35. M. Ahmadi, S. A. Ostadzadeh, and S. Wong, "An Analysis of Rule-set Databases in Packet Classification", in *Proceedings of the 18'th Annual Workshop on Circuits, Systems and Signal Processing (ProRISC 2007)*, (Veldhoven, The Netherlands), November 2007.
36. M. Ahmadi, and S. Wong, " A Performance Model for Network Processor Architectures in Packet Processing Systems", in *Proceedings of the 19'th International Conference on Parallel and Distributed Computing and Systems (PDCS 2007)*, pp. 176-181, (Cambridge, Massachusetts, USA).
37. M. Ahmadi, and S. Wong, "Network Processors: Challenges and Trends", in *the Proceedings of the 17'th Annual Workshop on Circuits, Systems and Signal Processing, ProRisc 2006*, pp. 222-232, (Veldhoven, The Netherlands), November 2006.
38. M. M. Homayounpour, and M. Ahmadi, "Automatic Transcription and Time Alignment of Persian Speech Database Using HMM", in *the Proceedings of the 4'th Annual Computer Society of Iran*,(Tehran, Iran), 1998.

References:

Dr. Stephan Wong	TU Delft Faculty of Electrical Engineering Mekelweg 4 2600 GA Delft, The Netherlands j.s.s.m.wong@tudelft.nl	+31 15 27 81099
Prof. Jarmo Takala	Tampere University of Technology Faculty of Electrical Engineering P.O.Box 553 (Korkeakoulunkatu 1) FIN-33101 Tampere jarmo.takala@tut.fi	+358 - 40 - 541 6897
Dr. M. M. Homayounpour	Amirkabir University of Technology Faculty of Computer Engineering #424 Hafez Avenue P. O. Box. 15875-4413, Tehran, Iran homayoun@ce.aut.ac.ir	(+9821) 64542700