CURRICULUM VITAE

Personal Information:

Name	: Mohammed SALAMAH
Date of Birth	: 5 June 1965
Marital Status	: Married
Health	: Excellent
Nationality	: Turk + Jordanian
Languages	: Turkish, English, and Arabic
Telephone	: +90-392-6301149 (office)
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Work Address	: Department of Computer Engineering, Eastern Mediterranean University, Gazimagusa - KKTC - Mersin 10 - TURKEY

Degrees*

B.Sc.	: Electrical and Electronics Engineering, *Communication and Computer* option, Middle East Technical University, Ankara, Turkey, 1988
M.Sc.	: Electrical and Electronics Engineering, *Computer* field, Middle East Technical University, Ankara, Turkey, 1990
Ph.D.	: Electrical and Electronics Engineering, *Computer* field, Middle East Technical University, Ankara, Turkey, 1996

* The medium of instruction in the Middle East Technical University (METU) is ENGLISH. METU is accredited by ABET and it adopts the American's universities system.

Work Experience

1988-1994	:Teaching and Research assistant, Electrical and Electronics Eng. Dept. Middle East Technical University, Ankara, Turkey.
1994-1996	: Instructor, Electrical and Electronics Eng. Dept. Middle East Technical University, Ankara, Turkey
1990-1996	: Part-time Computer and Electrical Engineer at AKAT Eng. Co., Ankara, Turkey

1995	: Invited researcher to the Networks Department of ENST (Ecole Nationale Superieure des Telecommunications), Paris, France.
1996-2009	: Assistant Professor at the Department of Computer Engineering, Eastern Mediterranean University, KKTC, Gazi Magusa, Mersin 10, Turkey.
2009-	: Associate Professor at the Department of Computer Engineering, Eastern Mediterranean University, KKTC, Gazi Magusa, Mersin 10, Turkey.
1997-2004	:Assistant Chairman of the Department of Computer Engineering, Eastern Mediterranean University, KKTC, Gazi Magusa, Mersin 10, Turkey
1999-2005	: IEEE Student Branch Counselor and Advisor- Student Branch Chapter in EMU.
2001-2005	Member of the executive board of EMU- Advanced Technology Research and Development Institute (ITAGE).
2003-2008	: Chair of the Administration Board of EMU's Student Project, Design and Implementation Center (PROMER).
2008-2009	: Assistant Chairman of the Department of Computer Engineering, Eastern Mediterranean University, KKTC, Gazi Magusa, Mersin 10, Turkey.
2009-2010	: Rector's Coordinator for Students Affairs and Informatics.
2010-2013	: Rector's Coordinator for Middle East Countries
2010-2013	: Chairman of Computer Engineering Department
2013-2015	: Rector's Advisor for Middle East Countries

Honors and Awards

- Placed on the high honor lists of all undergraduate academic semesters starting from the second year.

- Awarded full scholarship for both M.Sc. and Ph.D. studies by Middle East Technical University in 1988 and 1990 respectively.

- Invited researcher to the Networks Department of ENST (Ecole Nationale Superieure des Telecommunications), Paris, France.

- Assigned as the Chairman of the 6th Symposium on Computer Networks and Co-Chair of the 10th Turkish Symposium on Artificial Intelligence and Neural Networks that were jointly held on June 2001 in Gazimagusa – KKTC – Turkey. (Editor and Co-Editor of the Proceedings).

Teaching Experience

My basic interests include Computer networks, Wireless communication systems, Queueing theory and Performance evaluation, Simulation, Parallel processing, Computer Architecture, Microprocessor systems, Hardware-oriented algorithms. Throughout my employment I have been teaching courses like:

Computer Networks, Data Communications, High-Speed Networking, Wireless Personal Communications Systems, Queueing Networks for Computer Applications, Performance Analysis of Computer Systems and Networks, Logic Design, Digital Electronics, Digital Signal Processing, Data Structures, Operating Systems, Computer Architecture, Microprocessors, Advanced Microprocessor Systems, and Automata Theory.

Publications List

Journals

1. S. Alqaraleh, O. Ramadan, and M. Salamah, "Efficient watcher based web crawler design," *Aslib Journal of Information Management*, Vol. 67, Issue 6, pp. 663-686, Nov. 2015.

2. E. Doukhnitch, M. Salamah, and A. Andreev, "Effective Processor Architecture for Matrix Decomposition," *Arabian Journal for Science and Engineering*. Vol. 39, Issue 3, Pages 1797-1804, March 2014.

3. F. Tansu, and M. Salamah, "An Efficient Vertical Handoff Scheme for Microcellular and Macrocellular Interworking," *Int. Journal of Communication Systems*. Vol. 22, Issue 12, Pages 1495-1513, December 2009.

4. T. Tulgar, and M. Salamah, "Performance analysis of a threshold based distributed channel allocation algorithm for cellular networks," *Computers & Electrical Engineering*, Volume 35, Issue 3, Pages 485-496, May 2009.

5. E. Doukhnitch, M. Salamah, and E. Ozen, "An efficient approach for trilateration in 3D positioning," *Computer Communications*, Vol. 31, Issue 17, Pages 4124-4129, November 2008.

6. E. Doukhnitch, and M. Salamah, "General Approach to Simple Algorithms for 2-D Positioning Techniques in Cellular Networks," *Computer Communications*, Vol. 31, Issue 10, Pages 2185-2194, June 2008.

7. M. Salamah, and E. Doukhnitch, "An efficient algorithm for mobile objects localization," *Int. Journal of Communication Systems*. Vol. 21, Issue 3, Pages 301-310, March 2008.

8. İdil Candan and Muhammed Salamah, "Analytical modeling of a time-threshold based bandwidth allocation scheme for cellular networks" *Computer Communications*, Vol. 30, Issue 5, Pages 1036-1043, March 2007.

9. Khalil, N.S.; Lababidi, H.; and Salamah, M. "Dynamic guard channel allocation scheme for calls in WONs". *Electronics Letters*. Vol. 43, Issue 3, Page(s):170 – 171, Feb. 2007.

10. M. Salamah, and H. Lababidi, "Dynamically Adaptive Channel Reservation Scheme for Cellular Networks," *Computer Networks* journal, Vol. 49, no. 6, pp. 787-796, Dec. 2005.

11. E. Doukhnitch, and M. Salamah, "A Simple Hardware-Oriented Algorithm for Hyperbolic Location," *Artificial Intelligence* journal, No.3, pp.140-148, ISSN 1561-5359, July 2005.

12. E. Doukhnitch., and M. Salamah, "Fast hardware-oriented algorithm for 2-D positioning", *Artificial Intelligence journal*, No.4, pp.69-78, ISSN 1561-5359, July 2004.

13. M. Salamah and O. Bilgen, "Coffee, Tea or E-mail," *OTOMASYON (in Turkish), Electrical & Electronics, Mechanical, and Computer Journal. BİLEŞİM Yayıncılık*, pp. 84-87, May 2003.

14. M. Salamah and S. Bilgen, "Distributed memory multiprocessor communications," *ELEKTRİK journal*, *Turkish Journal of Electrical Engineering and Computer Science*, Vol. 4, No. 1-2-3, pp. 1-24, 1996.

Book Reports

15. A. I. Abdu, and M. Salamah, "Energy-Aware Transmission Scheme for Wireless Sensor Networks." *Recent Trends in Wireless and Mobile Networks* book, Springer, ISBN: 978-3-642-21937-5, pp. 135-144, 2011.

16. G. Sarisin, and M. Salamah, "Cone Tessellation Model for Three-Dimensional Networks." *Recent Trends in Wireless and Mobile Networks* book, Springer, ISBN: 978-3-642-21937-5, pp. 159-169, 2011.

17. Tansu, F., and Salamah, M., "Vertical Handoff Decision Schemes for Heterogeneous Wireless Networks: An Overview", *Recent Trends in Wireless and Mobile Networks* book, Springer, pp. 338-348, 2010.

18. E. Doukhnitch, M. Salamah, and A. Sandouka "A Novel Hardware-Oriented Algorithms for TDOA Positioning Technique in Cellular Networks," *Mathematical Methods in Engineering* book, Springer Press. ISBN: 978-1-4020-5677-2. pp. 330-340, 2006.

19. M. Salamah, and I. Candan, "A Fair Bandwidth Allocation Scheme for Multimedia Handoff Calls in Cellular Networks," *New Trends in Computer Networks* book, Imperial College Press, London, UK. pp. 40-49, 2005.

20. F. Tansu, and M. Salamah, "A Fuzzy-Based Vertical Handoff Scheme for Interworking between WLAN and GSM," *New Trends in Computer Networks* book, Imperial College Press, London, UK. pp. 309-318, 2005.

LNCS

21. T. Tulgar, and M. Salamah, "DonorList: A New Distributed Channel Allocation Scheme for Cellular Networks," *Lecture Notes on Computer Science LNCS 4217*, Springer, pp. 37-49, 2006.

22. I. Candan, and M. Salamah, "A Dynamic Time-Threshold Based Scheme for Voice Calls in Cellular Networks," *Lecture Notes on Computer Science LNCS 4003*, Springer, pp. 188-199, 2006.

23. O. Ramadan, O. Akaydin, M. Salamah, and A. Oztoprak, "Parallel Implementation of the Wave-Equation Finite-Difference Time-Domain Method Using the Message Passing Interface", *Lecture Notes on Computer Science LNCS 3280*, pp. 810-818, October, 2004.

24. M. Salamah, E. Doukhnitch, and D. Devrim, "A Fast Hardware-Oriented Algorithm for Cellular Mobiles Positioning," *Lecture Notes on Computer Science LNCS 3280*, pp. 267-277, October, 2004.

International Conferences

25. M. Salamah, and A. Oyedeji, "Regional-Based LEACH for Energy Efficiency in WSNs," *The 3rd International Conference on Next Generation Computing and Communication Technologies* (ICNGCCT2016), Proceedings of 4th IRCESM & 3rd ICNGCCT, pp. 30-36, Dubai, UAE. April 2016.

26. M. Salamah, and N. Samarji, "A Connectivity Preservation Scheme for Randomly Deployed WSNs," *The International Conference on Digital Information Processing, Electronics, and Wireless Communications* (DIPEWC2016), SDIWC proceedings, pp. 47-52, Dubai, UAE. March 2016.

27. S. Mollahasani, and M. Salamah, "Decentralized LEACH Routing Algorithm for Wireless Sensor Networks," *3rd. Global Conference on Computer Science, Software, Networks and Engineering,* (COMENG-2015) and *World Conference on Big Data* (BIGDATA-2015), Istanbul, Turkey, Nov. 2015.

28. Ramadan O., Salh A., and Salamah M., "An Effective Parallel FDTD Algorithm For Modeling 3D Frequency-Dependent Electromagnetic Applications," *The 7th International Conference on Information Technology*, (ICIT 2015), Amman, Jordan, pp. 632-636, May 2015.

29. M. Salamah, and M. Al-Sabah "An Efficient Handoff Scheme for WiMAX Networks with Load Balancing," the 6th *Int. Conf. on Networks and Communications*, NeCoM'14. Dubai, November 2014.

30. A. I. Abdu, M. Salamah, P.U. Okorie, Salisu. S, and S. Eleruja, "Optimizing Energy Consumption in Wireless Sensor Networks using an Energy-Aware Transmission Scheme," *National Conference on Bridging the Gap Between Academia and Industry in Nigeria*- Byero University, Kano, 2014.

31. M. Salamah, F. Zawaideh, and F. Zawaideh, "Optimal Object Tracking via Wireless Sensor Networks", *IEEE Int. Conf. on Electronics, Computer and Computation,* ICECCO'13, pp. 273-276, Turkey, Nov. 2013.

32. A. Salmasi, M. Salamah, E. Doukhnitch, "A Hybrid TOA/AOA Hardware-Oriented Algorithm for Mobile Positioning*", BWCCA 2011: Sixth International Conference on Broadband and Wireless Computing, Communication and Applications*, Oct. 26-28, 2011, Barcelona, Spain

33. I. Candan, and M. Salamah, "Mobility Based Guard Channel Scheme for Cellular Networks", Submitted to 24th *Int. Conf. on Computer and Information Sciences*, ISCIS'09, London 2010.

34. T. Tulgar, and M. Salamah, "Channel Import Efficiency of the DonorList Algorithm," Proc of the 24th *Int. Conf. on Computer and Information Sciences*, ISCIS'09. Northern Cyprus, September 2009.

35. I. Candan, and M. Salamah, "Analytical modeling of a time-threshold based multi-guard bandwidth allocation scheme for cellular networks," *Proc of the IEEE Fifth Advanced International Conference on Telecommunications* AICT09, pp. 33-38, Venice, Italy. May 2009.

36. M. Salem, and M. Salamah, "A Novel Distributed Wireless Channel Allocation Algorithm in Cellular Networks with Mobile Base Stations," *Proc of the IEEE Mosharaka International Conference on Communications, Signals and Coding*, Amman, Jordan. October 2008.

37. M. Salamah, and G. Jibril "SJ-Scheme: A Two-Disjoint Level Priority Handoff Scheme for Integrated Multimedia Cellular Networks," *Proc of the* ISCN08 *International Symposium on Computer Networks.* pp. 136-140, Istanbul, Turkey, June 2008.

38. M. Salamah, E. Doukhnitch, and C. Bayramer, "'A Dynamic Hardware-Oriented Algorithm for Angle of Arrival Positioning Technique," *Proc. of the IEEE International Conference on Signal Processing and Communication* (ICSPC07), pp. 201-204, Dubai, UAE. Nov. 2007.

39. E. Douknitch, and M. Salamah, "Simple hardware-oriented algorithms for typical 2-d positioning problems," *Proc. of IEEE Int. Sym. on Intelligent Signal Processing 2007(WISP 2007)*, pp. 1-5, Wales, UK, Oct. 2007.

40. M. Najiminaimi, E. Doukhnitch, and M. Salamah, "Simple hardware-oriented algorithms for cellular mobiles positioning," *Proc. of the IEEE Int. Conf. on Pervasive Services (ICPS 2007)*, pp. 157-160, Istanbul, Turkey. July 2007.

41. I. Candan, and M. Salamah, "Performance analysis of a time-threshold based bandwidth allocation scheme using a one-dimensional markov chain in cellular networks," *Proc of the* 12th *IEEE Symposium on Computers and Communications* (ISCC2007), Aveiro, Portugal, July, 2007.

42. M. Salamah, N. Khalil, "Speed sensitive handoff mechanism in WONs," *Proc of the IEEE Mosharaka Int. Conf. on Communication Systems and circuits* M-CSC2007, Amman, Jordan. June 2007.

43. M. Najiminaimi, E. Doukhnitch, M. Salamah, and I. Kale, "Design and comparison of hardware-oriented algorithms for cellular mobiles positioning," *Proc. of the* 7th *IASTED conference on Wireless and Optical Communications (WOC 2007)*, pp. 392-397, Montreal, Canada, May 2007.

44. B. Khosravifar, M. Salamah, and M. Najimi Nain, "A Dynamic traffic shedding algorithm for soft-handoff in MC-CDMA systems," *Proc. of the* 7th *IASTED conference on Wireless and Optical Communications (WOC 2007)*, pp. 168-173, Montreal, Canada, May 2007.

45. Idil Candan and Muhammed Salamah, "Performance Analysis of a Time-Threshold based Bandwidth Allocation Scheme for Data Calls in Cellular Networks", *Proc. of the Int. Conference on Systems and Networks Communications,* ICSNC'2006, pp. IEEE Computer Society Press, Tahiti, French Polynesia, October 2006.

46. F. Tansu, and M. Salamah, "On the Vertical Handoff Performance for Interworking between Microcellular and Macrcellular Networks," *Proc. of the Int. Conference on Wireless and Mobile Communications* (ICWMC'2006) (CD), IEEE Computer Society Press. Bucharest, Romania, July 2006.

47. M. Salamah and I. Candan, "Performance Analysis of a Time-Threshold based Multi-Guard Bandwidth Allocation Scheme in Cellular Networks," *Proc. of the Int. Conference on Wireless and Mobile Communications* (ICWMC'2006) (CD), IEEE Computer Society Press. Bucharest, Romania, July 2006.

48. M. Salamah, and Z. Abushaaban, "An Adaptive Transmission Technique for Low Power Consumption in Wireless Sensor Networks," *Proc of the* IWCMC06 *Int. Wireless Comm. & Mobile Computing Conf.* pp. 1051-1054, Vancouver, Canada, July 2006.

49. I. Candan, and M. Salamah, "A Time-Threshold Based Multi-Guard Bandwidth Allocation Scheme for Cellular Networks," *Proc of the* ISCN06 *International Symposium on Computer Networks.* pp. 106-110, Istanbul, Turkey, June 2006.

50. F. Tansu, and M. Salamah, "On the Vertical Handoff Decision for Wireless Overlay Networks," *Proc of the* ISCN06 *International Symposium on Computer Networks.* pp. 111-115, Istanbul, Turkey, June 2006.

51. M. Salamah, E. Doukhnitch, and C. Bayramer, "A Hardware-Oriented Algorithm for Angle of Arrival Positioning Technique," *Proc of the Advanced Satellite Mobile Systems Conference (ASMS06).* pp. 305-309, Munich, Germany, May 2006.

52. M. Salamah, "An Adaptive Multi-Guard Channel Scheme for Multi-Class Traffic in Cellular Networks," *Proc of the 4th ACS/IEEE Int. Conf. on Computer Systems and Applications* (AICCA-06), pp. 716-723, Dubai/Sharjah, UAE, March 2006.

53. M. Assaf, and M. Salamah, "Self-Learning Channel Assignment Scheme for Cellular Networks," *Proc. of the IADIS International Conference e-Society 2005*, pp. 630-635, Qawra, Malta, June 2005.

54. M. Salamah, and I. Candan, "A New Bandwidth Allocation Scheme for Data Handoff Calls in Cellular Networks," *Proc of the WIRELESSCOM 2005 Int. Conf. on Wireless Networks, Communications, and Mobile Computing*, Hawaii, USA, June 2005.

55. M. Salamah and Fatma Tansu, "On the Vertical Handoff Performance for Interworking between WLAN and GSM," *Proc. of the 9th CDMA International Conference*, pp. 414- Seoul, Korea, October 2004. {**Selected as one of the best four papers of the conference**}.

56. M. Salamah and Idil Candan, "A Novel Bandwidth Allocation Strategy for Voice Handoff Calls in Cellular Networks," *Proc. of the 9th CDMA International Conference,* pp. 381- , Seoul, Korea, October 2004.

57. Taher Afridi and M. Salamah, "A Realistic Model for Soft Handoff in Cellular Networks," *Proc. of the 9th CDMA International Conference*, pp. 415- , Seoul, Korea, October 2004.

58. M. Salamah, and W. Khalil, "A Novel Error Control Technique for Wireless ATM," *Proc. of the 8th IEEE Symposium on Computers and Communications, ISCC'2003*, Vol.II, pp. 1285-1291, Antalya, Turkey, June 2003

59. M. Salamah, F. Tansu, and N. Khalil, "Buffering Requirements for Lossless Vertical Handoffs in Wireless Overlay Networks," *Proc. of the 57th IEEE Int. Semiannual Vehicular Technology Conference*, VCT2003_Spring, Vol.3, pp.1984-1987, Jeju, Korea, April 2003.

60. M. Salamah, and T. Tulgar, "Performance Measurements of IP over ATM and ATM API", *Proc. of the ICT-2002 The International Conference on Telecommunications,* Vol.1, pp.1109-1112, Beijing, China, June 2002.

61. M. Salamah, and H. Lababidi, "Analytical modeling of a traffic policing mechanism for ATM networks," *Proc. of the 16th Int. Conf. on Computer and Information Sciences*, pp.1-8, Antalya, Turkey, November 2001.

62. M. Salamah, and W. Khalil, "Forward Error Correction (FEC) in Wireless ATM," *Proc. of the 16th Int. Conf. on Computer and Information Sciences*, pp.25-31, Antalya, Turkey, November 2001.

63. M. Salamah and H. Lababidi, "Performance analysis of traffic policing mechanisms for ATM networks," *Proc. of the ICT-2001 The International Conference on Telecommunications,* Vol.2, pp.267-272, Bucharest, Romania, June 2001.

64. M. Salamah and H. Lababidi, "FBLLB: A fuzzy-based traffic policing mechanism for ATM Networks," *Proc. of the ACS-IEEE International conference on Computer Systems and Applications,* Vol.1, pp. 31-35, Beirut-Lebanon, June, 2001.

65. M. Salamah, T. Tulgar, H. Elagha, and A. Cerkez "Real-Time Video Conferencing on an ATM Network," *Proc. of the 6th Symposium on Computer Networks (BAS'2001)*, pp.70-79, Gazimagusa, KKTC, North Cyprus, June 2001.

66. M. Salamah, and T. Tulgar, "Comparison of an ATM API and IP over ATM," *Proc. of the 6th Symposium on Computer Networks (BAS'2001)*, pp.162-168, Gazimagusa, KKTC, North Cyprus, June 2001.

67. M. Salamah and N. Khalil, "Optimal scheduling and buffer allocation for empirical multimedia traffic over ATM," Proc*. of the 4th Jordanian International Electrical and Electronic Engineering Conference,* pp. 59-64, Amman, Jordan, April 2001.

68. M. Salamah and H. Lababidi, "Dynamically adaptive channel reservation for Handoff in cellular networks," *Proc. of the 2000 IEEE Int. Conf. on Personal Wireless Communications (ICPWC2000)*, pp. 269-272, Hyderabad, India, December 2000.

69. M. Salamah, H. Lababidi, and I.Aybay "Enhanced layering model for MBEG-4 transport over ATM," *Proc. of the 15th Int. Conf. on Computer and Information Sciences*, pp. 288-294, Istanbul, Turkey, October 2000.

70. M. Salamah and N. Khalil, " Performance analysis of empirical multimedia traffic over ATM," *Proc. of the 15th Int. Conf. on Computer and Information Sciences*, pp. 330-340, Istanbul, Turkey, October 2000.

71. M. Salamah and H. Lababidi, "BLLB: A novel traffic policing mechanism for ATM Networks," *Proc. of the 8th Int. Sym. On Modeling, Analysis and Simulation of Computer and Telecommunications Systems (MASCOTS 2000)*, pp. 411-415, San Francisco CA, USA, September 2000.

72. M. Salamah, M. Asrin, and E. Ozgoray, "Performance analysis of an ATM multiplexer with priority ordered input traffic," *Proc. of the 3rd Sym. On Computer Networks*, pp. 88-94, Izmir, Turkey, June 1998.

73. M. Salamah and S. Bilgen, "Performance of the Double-LIB architecture," *Proc. of the MELECON Int. Conf. on Communications*, Vol. I, pp., Bari, Italy, May 1996.

74. M. Salamah and S. Bilgen, "Çokişlemcili bilgisayarlarda işlemcilerarası iletişim için bir ATM bağlayıcısı önerisi," *Proc. of the 1st Sym. on Computer Networks*, pp. 173-179, İstanbul, Turkey, May 1996.

75. M. Salamah and S. Bilgen, "An ATM based multiprocessor communication architecture," *Proc. of the 10th Int. Conf. on Computer and Information Sciences*, Vol. II, pp. 785-792, Kuşadası, Turkey, Nov. 1995.

76. M. Salamah and S. Bilgen, "Structural performance analysis of the generalized hypercube computer," *Proc. of the 5th Int. Conf. on Computer and Information Sciences*, Vol. I, pp. 429-440, Cappadocia, Turkey, Nov. 1990.

National Conferences

77. M. Salamah, and H. Elagha, "Analysis and Modeling of Multimedia Traffic Over an ATM Network," *Proc. of the FAE Int. Symposium 2002.* pp.329-334, Gemikonagi, TRNC, November 2002.

78. E. Basar, M. Salamah, and M. Kizildag, "Performance analysis and tracking of mobile nodes in location sensing wireless networks," *Proc of the FAE Int. Symposium 2006.* pp. 375-379, Gemikonagi, TRNC, November 2006.

Books:

▪ M. Salamah, " The 80386DX Microprocessor hardware and interfacing," EMU Press – 1999.
▪ M. Salamah and A. Acan, " Automata Theory: Theory of languages and abstract computing structures," EMU Press – 1999.

Refereeing:

1. ELSEVIER 's Computer Networks Journal.
2. The Arabian Journal for Science and Engineering.
3. EURASIP Journal on Wireless Communications and Networking.

4. IEEE Wireless Communications and Networking Conference (annual).
5. ICC Wireless Communications (annual).

Supervised Thesis's:

1. Performance Analysis of an ATM Multiplexer with priority ordered Input Traffic. M.Sc. Thesis. 1998.
2. Performance of voice over ATM. M.Sc. Thesis. 1999.
3. A Novel Buffered Learning Leaky Bucket (BLLB) Algorithm for ATM Traffic Control. M.Sc. Thesis. 1999.
4. Performance analysis of empirical multimedia traffic over ATM. M.Sc. Thesis. 2000.
5. Performance Analysis of Single-Chip IRAM Based ATM Switch. M.Sc. Thesis. 2000.
6. Performance Comparison of IP over ATM and ATM on LINUX API. M.Sc. Thesis. 2001.
7. Parallel Implementation of the FD-TD Method using MPI. (Co-Supervisor) M.Sc. Thesis. 2001.
8. A novel Error Control Technique for Wireless ATM. M.Sc. M. Sc. Thesis 2002.
9. Analysis and Modeling of Multimedia Traffic over an ATM Network. M. Sc. Thesis 2002.
10. Performance Evaluation of Vertical Handoffs in Wireless Overlay Networks. M. Sc. Thesis 2003.
11. Analysis of Routing Algorithms for Wireless Ad Hoc Networks. M.Sc. Thesis 2003
12. Prioritized Handoffs for Multimedia Traffic in Cellular Wireless Networks. M.Sc. Thesis 2004.
13. A Realistic Model for Soft Handoff in Cellular Networks. M.Sc. Thesis 2004
14. Performance Analysis of Multimedia Streaming on IEEE 802.11b Wireless LAN. M.Sc. Thesis 2004.
15. A Fast Hardware-Oriented Algorithm for Locating and Tracking Cellular Mobiles. M.Sc. Thesis 2005.
16. A Novel Bandwidth Allocation Scheme for Handoff Calls in Wireless Multimedia Networks. M.Sc. Thesis 2005.
17. An Adaptive Transmission Technique for Low Power Consumption in Wireless Sensor networks. M.Sc. Thesis 2005.
18. Dynamically Adaptive Channel Reservation Scheme for Cellular Networks. Ph.D. Thesis 2005.
19. A Simple Hardware-Oriented Algorithm for TDOA-based Location Estimation in Cellular Networks. (Co-Supervisor), M.Sc. Thesis 2006.
20. A Simple Hardware-Oriented Algorithm for AOA-based Location Estimation in Cellular Networks. M.Sc. Thesis 2006.
21. Performance Analysis and Tracking of Mobile Nodes in Location Sensing Wireless Networks. (Co-Supervisor), M.Sc. Thesis 2007.
22. Complexity Reduction of TOA Hardware oriented Positioning Algorithm. (Co-Supervisor), M.Sc. Thesis 2007.

23. Dynamic Bandwidth Allocation Scheme for Wireless Overlay Networks. Ph.D. Thesis 2007.
24. Performance Analysis of a Time-Threshold based Bandwidth Allocation Scheme for Cellular Networks. PhD. Thesis 2007.
25. A Novel Distributed Channel Allocation Algorithm in Cellular Networks with Mobile Base Stations, M.Sc. Thesis 2008.
26. An Efficient Algorithm for Distributed Dynamic Channel Allocation in Cellular Wireless Networks. Ph.D. Thesis 2009.
27. Design of a Low Computational Cost Algorithm for 3-D TOA Mobile Positioning. (Co-Supervisor), Ph.D. Thesis 2009.
28. An Efficient Vertical Handoff Decision Scheme between Microcellular and Macrocellular Networks. Ph.D. Thesis 2010.
29. Adaptive Energy-Aware Transmission Scheme for Wireless Sensor Networks. M.Sc. Thesis 2011.
30. A Cone Tessellation Model for Three-Dimensional Networks. M.Sc. Thesis 2011.
31. A Low-Cost, High-Speed Algorithm for Mobile Positioning. M.Sc. Thesis 2011.
32. Design and Implementation of a Wireless Bulletin Board. M.Sc. Thesis 2012.
33. Design and Implementation of a Virtual Smart Board. M.Sc. Thesis 2012.
34. Queuing-Based Dynamic Multi-Guard Channel Scheme for Voice/Data Integrated Cellular Wireless Networks. M.Sc. Thesis 2013.
35. Energy-Efficient Clustering for Wireless Sensor Networks with Mobile Base Station. M.Sc. Thesis 2013.
36. Energy-Aware Routing Protocol for Wireless Sensor Networks. M.Sc. Thesis 2013.
37. Design of a Network-Based Anomaly Detection System using VFDT Algorithm. M.Sc. Thesis 2014.
38. An Efficient Handoff Scheme for WiMAX Networks with Load Balancing. M.Sc. Thesis 2014.
39. Transmission Range Assignment with Balancing Connectivity in Clustered Wireless Networks. M.Sc. Thesis 2014.
40. Analysis of a Propagation Model for Molecular Communication in Nanonetworks. M.Sc. Thesis 2014.
41. Performance Analysis of an LTE-4G Network Running Multimedia Applications. M.Sc. Thesis 2014.
42. Predicting Time-Lag between Primary and Secondary Waves for Earthquakes using Artificial Neural Network (ANN). M.Sc. Thesis 2015.
43. A Hardware-Oriented Hybrid TDOA/AOA Mobile Positioning Estimation Scheme. M. Sc. Thesis 2015.
44. A Connectivity Preservation Scheme for Randomly Deployed Wireless Sensor Networks. M. Sc. Thesis 2015.
45. Regional-Based LEACH for Energy Efficiency in Wireless Sensor Networks. M. Sc. Thesis 2015.