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
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Work Address	: Department of Computer Engineering, Eastern Mediterranean University, Gazimagusa - KKTC – Via 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.
2009-2021 : Associate Professor at the Department of Computer Engineering, Eastern
2022- : 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

A. Journals

1. N. Samarji, and M. Salamah, “ESRA: Energy Soaring-based Routing Algorithm for IoT Applications in Software-Defined Wireless Sensor Networks,” *Egyptian Informatics Journal,* Vol. 23, Issue 2, pp. 215-224, July, 2022.
2. M. Mobarhan, and M. Salamah, *“*REPS-AKA3: A secure authentication and re-authentication protocol for LTE networks,” *Journal of Network and Computer Applications*, Vol. 201, pp. 103345, May 2022.
3. N. Samarji, and M. Salamah, “ERQTM: Energy-efficient Routing and QoS-supported Traffic Management scheme for SDWBANs,” *IEEE Sensors Journal*, Vol. 21, Issue 14, pp. 16328-16339, July 2021.
4. N. Samarji, and M. Salamah, “A Fault Tolerance Metaheuristic-based Scheme for Controller Placement Problem in Wireless Software-Defined Networks,” *Int. Journal of Communication Systems*, Vol. 34, Issue 18, pp. 1-22, January 2021.
5. F. Zawaideh, and M. Salamah, “An Efficient Weighted Trust-Based Malicious Node Detection Scheme for Wireless Sensor Networks,” *Int. Journal of Communication Systems*, Vol. 32, Issue 3, pp. 1-13, December 2018.
6. H. Alebeed, and M. Salamah, “A Spectrum Decision Scheme for Cognitive Radio Ad hoc Networks,” *Journal of Multidisciplinary Engineering Science and Technology,* Vol.4, No.7, July 2017.
7. M. Salamah, and A. Oyedeji, "Regional-Based LEACH for Energy Efficiency in WSNs," *International Research Journal of Electronics and Computer Engineering,* Vol.2, No.2, pp. 7-13, June 2016.
8. M. Salamah, and A.A. Hussein, “Enhancement of Transmission Range Assignment for Clustered Wireless Sensor Networks,” *Int. Journal of Computer Networks and Communications,* Vol.8, No.2, pp. 53-61, March 2016.
9. 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.
10. 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.
11. A. I. Abdu, and M. Salamah, “An adaptive energy-aware transmission scheme for wireless sensor networks.” *Int. Journal of Wireless Communications and Mobile Computing*. Vol. 1, Issue 1, Pages 14-20, 2013.
12. 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.

13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. O. Bilgen, and M. Salamah "Coffee, Tea or E-mail," *OTOMASYON (in Turkish), Electrical & Electronics, Mechanical, and Computer Magazine. BİLEŞİM Yayıncılık*, pp. 84-87, No. 5, May 2003.
22. M. Salamah and S. Bilgen, "Distributed memory multiprocessor communications," *Turkish Journal of Electrical Engineering and Computer Science*, Vol. 4, No. 1-2-3, pp. 1-24, 1996.

B. LNCS

23. 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.
24. 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.
25. 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.

26. 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.

C. Book Reports/Chapters

27. 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.
28. 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.
29. Tansu, F., and Salamah, M., "Vertical Handoff Decision Schemes for Heterogeneous Wireless Networks: An Overview", *Recent Trends in Wireless and Mobile Networks* book, Springer, ISBN: 978-3-642-14170-6, pp. 338-348, 2010.
30. 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.
31. 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. ISBN: 1-86094-611-9, pp. 40-49, 2005.
32. 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**.** ISBN: 1-86094-611-9, pp. 309-318, 2005.

D. International Conferences

33. N. Samarji and M. Salamah, "A Software Defined Wireless Network Based K-Way Spectral Clustering Algorithm (SDWN-KSCA)", *Proceedings of the International Conference on Electrical and Electronics Engineering ICEEE, Conference*, pp. 30-34, Istanbul, Jan. 2019.
34. F. Zawaideh, M. Salamah, and H. Al-Bahadili, "A Fair Trust-Based Malicious Node Detection and Isolation Scheme for WSNs," Proc. of the IEEE IT-DREPS 2017 Conference, Amman, Jordan, IEEE Catalog Number: CFP1759U-PRT, pp. 86-91, 2017.
35. 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.

36. 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.

37. 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, Ankara, Turkey, Nov. 2013.

38. I. Candan, and M. Salamah, "Mobility Based Guard Channel Scheme for Cellular Networks", *Proc. Of the International Conference on Advances in Information and Communication Technologies*,ICT'12, Amsterdam, Holland,2012.

39. A. Salmasi, M. Salamah, E. Doukhnitch, "A Hybrid TOA/AOA Hardware-Oriented Algorithm for Mobile Positioning*", BWCCA 2011: IEEE Sixth International Conference on Broadband and Wireless Computing, Communication and Applications*, pp. 40-44, Oct. 2011, Barcelona, Spain

40. 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. pp. 352-356, Northern Cyprus, September 2009.

41. 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.

42. 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.

43. 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.

44. 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.

45. 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.

46. 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), pp. 369-373, Aveiro, Portugal, July, 2007.

47. 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.
48. M. Najiminaimi, E. Doukhnitch, M. Salamah, and I. Kale, "A hardware efficient algorithm for cellular mobiles positioning Calculation" *Proc. of the 7th IASTED conference on Wireless and Optical Communications (WOC 2007)*, pp. 392-397, Montreal, Canada, May 2007.
49. 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.
50. 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.
51. 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.
52. 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.
53. 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.
54. 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.
55. 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.
56. 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.
57. 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*, pp. 757-761, Hawaii, USA, June 2005.
58. M. Salamah and Fatma Tansu, "On the Vertical Handoff Performance for Interworking between WLAN and GSM," *Proc. of the 9th CDMA International*

Conference, Seoul, Korea, October 2004. {**Selected as one of the best four papers of the conference**}.

59. M. Salamah and Idil Candan, "A Novel Bandwidth Allocation Strategy for Voice Handoff Calls in Cellular Networks," *Proc. of the 9th CDMA International Conference*, Seoul, Korea, October 2004.
60. Taher Afridi and M. Salamah, "A Realistic Model for Soft Handoff in Cellular Networks," *Proc. of the 9th CDMA International Conference*, Seoul, Korea, October 2004.
61. 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
62. 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.
63. 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.
64. 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 2002.
65. 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.
66. 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.
67. M. Salamah, and W. Khalil, "Forward Error Correction (FEC) for Wireless ATM," *Proc. of the 16th Int. Conf. on Computer and Information Sciences*, pp.25-31, Antalya, Turkey, November 2001.
68. 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.
69. 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.
70. 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.

71. 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.
72. M. Salamah, N. Khalil, and H. Lababidi, "Optimal scheduling and buffer allocation for empirical multimedia traffic over ATM," Proc. *of the* 4*th Jordanian International Electrical and Electronic Engineering Conference,* pp. 59-64, Amman, Jordan, April 2001.
73. 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.
74. 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.
75. 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.
76. 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.
77. 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.
78. M. Salamah and S. Bilgen, "Performance of the Double-LIB architecture," *Proc. of the MELECON Int. Conf. on Communications*, Vol. I, pp. 166-168, Bari, Italy, May 1996.
79. 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.
80. 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.

Complementary Coursebooks:

- 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.
- M. Salamah and A. Acan, "Lecture Notes on Logic Design," 2001.
- M. Salamah, "Lecture Notes on Data Communications," 2004.
- M. Salamah, "Lecture Notes on Wireless Personal Communications," 2005.

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 MS and PhD Theses:

1. Performance Analysis of an ATM Multiplexer with a New Congestion Control Mechanism. M.Sc. Thesis. 1999.
2. Performance of Voice over ATM under Various Scheduling Algorithms and Network Parameters. 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 Network. M.Sc. Thesis 2004.
15. Hardware-Oriented Algorithms for Positioning and Tracking Cellular Mobiles. M.Sc. Thesis 2005.
16. A Novel Bandwidth Allocation Strategy for Voice Handoff Calls in Cellular Networks. M.Sc. Thesis 2005.

17. An Adaptive Transmission Technique for Power-aware Consumption in Wireless Sensor Networks. M.Sc. Thesis 2005.
18. Dynamically Adaptive Channel Reservation Scheme for Cellular Networks. Ph.D. Thesis 2005.
19. A Novel Hardware-Oriented Algorithm for TDOA Positioning Technique in Cellular Networks. (Co-Supervisor), M.Sc. Thesis 2006.
20. A Hardware-Oriented Algorithm for AOA Positioning Technique 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. A Distributed Dynamic Channel Allocation Scheme for Wireless Cellular Networks. Ph.D. Thesis 2009.
27. An Efficient Vertical Handoff Decision Scheme between Microcellular and Macrocellular Networks. Ph.D. Thesis 2010.
28. Adaptive Energy-Aware Transmission Scheme for Wireless Sensor Networks. M.Sc. Thesis 2011.
29. A Cone Tessellation Model for Three-Dimensional Networks. M.Sc. Thesis 2011.
30. A Low-Cost, High-Speed Algorithm for Mobile Positioning. M.Sc. Thesis 2011.
31. Design and Implementation of a Wireless Bulletin Board. M.Sc. Thesis 2012.
32. Design and Implementation of a Virtual Smart Board. M.Sc. Thesis 2012.
33. Queuing-Based Dynamic Multi-Guard Channel Scheme for Voice/Data Integrated Cellular Wireless Networks. M.Sc. Thesis 2013.
34. Energy-Efficient Clustering for Wireless Sensor Networks with Mobile Base Station. M.Sc. Thesis 2013.
35. Energy-Aware Routing Protocol for Wireless Sensor Networks. M.Sc. Thesis 2013.
36. Design of a Network-Based Anomaly Detection System using VFDT Algorithm. M.Sc. Thesis 2014.
37. An Efficient Handoff Scheme for WiMAX Networks with Load Balancing. M.Sc. Thesis 2014.

38. Transmission Range Assignment with Balancing Connectivity in Clustered Wireless Networks. M.Sc. Thesis 2014.
39. Analysis of a Propagation Model for Molecular Communication in Nanonetworks. M.Sc. Thesis 2014.
40. Performance Analysis of an LTE-4G Network Running Multimedia Applications. M.Sc. Thesis 2014.
41. Predicting Time-Lag between Primary and Secondary Waves for Earthquakes using Artificial Neural Network (ANN). M.Sc. Thesis 2015.
42. A Hardware-Oriented Hybrid TDOA/AOA Mobile Positioning Estimation Scheme. M. Sc. Thesis 2015.
43. A Connectivity Preservation Scheme for Randomly Deployed Wireless Sensor Networks. M. Sc. Thesis 2015.
44. Regional-Based LEACH for Energy Efficiency in Wireless Sensor Networks. M. Sc. Thesis 2015.
45. A Spectrum Decision Scheme for Cognitive Radio Ad-Hoc Networks. M. Sc. Thesis 2016.
46. Performance Analysis of a Resource Allocation Scheme for LTE. M. Sc. Thesis 2017
47. An Efficient Weighted Trust-Based Malicious Node Detection Scheme for Wireless Sensor Networks. Ph.D. Thesis 2019.
48. Metaheuristic-Based Approaches for Solving the Controller Placement Problem in Software-Defined Wireless Sensor Networks. Ph.D. Thesis 2021.
49. Evaluation of Security Issues on Communication Systems for Internet of Things (IoT). Ph.D. Thesis (Ongoing).
50. An Efficient SDN-Based Routing Scheme for ITS Systems. Ph.D. Thesis (Ongoing).

Supervised Graduation Projects:

1. Design and implementation of a microprocessor-based control system for measuring temperature, humidity, and wind speed. 1996
2. Writing an Assembler for SPARC processors. 1996
3. Implementation of an Intel x86 interface card for laboratory experiments. 1996
4. Offering mail services between two PCs via the serial ports. 1997.
5. Design and implementation of a Timer for invigilation. 1997
6. Design and implementation of a ICs tester. 1997
7. Design and implementation of a real-time control system using a microcontroller. 1997
8. Performance analysis of a real-time application on the ATM sub-network. 1998
9. Simulation and performance analysis of ATM switch architectures. 1998

10. Animated simulation of a Turing Machine. 1998
11. Simulation and performance analysis of cellular networks. 1998
12. Design and implementation of a GUI for simplification of Boolean functions. 1999
13. Comparative analysis of ATM switches architectures. 1999
14. Design and implementation of pre-registration program on the Internet. 1999
15. Real-Time Video conferencing on the ATM subnetwork. 1999
16. Design and implementation of an electronic notebook. 2000
17. Design and Implementation of a WAP service.2000
18. Design and implementation of a general-purpose digital multimeter. 2000
19. Performance of IP over ATM. 2000
20. Sending e-mails from a normal Telephone. 2001
21. Design and Implementation of an Office Display Unit. 2001
22. Installation and Performance Measurements of an IEEE 802.11b WLAN. 2001.
23. Simulation of the Physical Links in Bluetooth Systems. 2002
24. Net Frame Work and E-Learning Implementation. 2002
25. Next Generation E-Learning Concepts. 2002
26. Web Server Using Socket Mechanism with Delphi. 2002
27. Interactive Voice Response System Application Using VB Voice. 2002
28. The Performance Measurement and Usage of Range Extender Antennas in IEEE 802.11b Wireless LAN. 2002
29. TCP Performance Evaluation Using Simulation. 2002
30. LCD Connection from the Parallel Port. 2003
31. Handoff Performances in Multimedia Cellular Networks. 2003
32. Design and Implementation of a Remote Control System through the Mobile Phone. 2003
33. Delay Analysis in Connexion by Boeing. 2003
34. Implementation of a Digital Counter Using ASM. 2003
35. Analytical Modeling of Routing Algorithms for Ad-hoc wireless Networks. 2003
36. Survey of GPRS Technologies and Creation the WAP Server of the EMU. 2003
37. Design and implementation of a remote security system. 2004
38. Wireless Communication between Mobile Phone and Computer. 2004
39. The Throughput and the Blocking Probability Analysis of Integrated Voice and Data Service for GPRS. 2004
40. Design and Implementation of a real-time Timer. 2005
41. Implementation of a Bluetooth Piconet. 2005
42. Design and Implementation of a Forest Fire Detection System. 2006
43. User-Friendly Software for the Analysis of Queueing Networks Models. 2006
44. Design and Implementation of Attendance Control System using Bluetooth Technology. 2006
45. Design and Implementation of a Bluetooth-Based Office Display Unit. 2006
46. Performance Analysis of a New Multirate Guard Channel Allocation Scheme for Cellular Mobile Systems. 2007
47. Design and implementation of a low cost ADSL load balancer. 2008
48. Design and Implementation of a Comfortable Electronic Voting System. 2008
49. Design and Implementation of an Electronic Announcement mini-board. 2008

50. Simulation of Wireless Sensor Networks using OPNET. 2009
51. Location determination based on RSS mearurements. 2009
52. Simulation of Wireless Sensor Networks using OPNET. 2009
53. Demonstration for Digital Encoding Schemes. 2009
54. Simulation of a Wireless Network using 802.11 MAC. 2010
55. Simulation of Gossip and Flooding Protocols using OPNET. 2010
56. Design and Implementation of a Home Security Automation System. 2010
57. Park Automation System. 2011
58. A Compact Software for Cathodic Protection Calculations. 2011
59. 7 Graduation Projects not listed here in between 2012-2018
60. Design and Implementation of an Indoor Mobile Robot. 2019
61. Design and Implementation of a Departmental Course Scheduling Software. 2019
62. Design and Implementation of EMU Busses Tracking System. 2020
63. Design and Implementation of an Online Marketing System. 2021

Computer Skills
Languages : C, C+, Python, Java, Pascal, FORTRAN, BASIC, Assembly
Operating Systems : UNIX, MS-DOS, NOVELL, WINDOWS NT, WINDOWS XP
Software Packages : Windows, Excel, PowerPoint, Dbase, Spice3, Opnet, Ptolemy, Matlab, Lotus123, Autocad,etc.
Memberships : IEEE, The Turkish Chamber of Electrical Engineers.
Hobbies and interests : Football, Tennis, Music (soft), Home electronics, Nature trips.
Education:

Program	***School***	***Area/Thesis Topic***	***Supervisor***	***CGPA***
Undergraduate	Middle East Technical University (Ankara-Turkey)	Computer and Communication Option		3.34/4.0
Master	Middle East Technical University (Ankara-Turkey)	Structural performance analysis of the generalized hypercube network	Prof. Dr. Semih Bilgen	3.50/4.0
Doctorate	Middle East Technical University (Ankara-Turkey)	An ATM-Based interconnection network for multicomputers communication	Prof. Dr. Semih Bilgen	3.38/4.0