

Prof. Dr. İsmail ERTÜRK (FULL CURRICULUM VITAE)

Prof. Dr. İsmail ERTÜRK
(Born in Ankara-Turkey, 1971)

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1. Education:

DEGREE	DEPARTMENT	UNIVERSITY	YEAR
Ph.D.*	Computer Science and Engineering	School of Engineering University of Sussex (Brighton, England/UK)	2000
M.Sc. **	Digital Electronics and Parallel Processing Systems	School of Engineering University of Sussex (Brighton, England/UK)	1996
B.Sc.	Electronics and Computer	Technical Education Faculty Gazi University (Ankara, Turkey)	1992

**Ph.D. Thesis Title: Internetworking between ATM LANs and Legacy LANs over ATM Networks (Supervisor: Prof. Dr. Ed T. Powner)*

***M.Sc. Thesis Title: ATM Local Area Networks for Data Communications (Supervisor: Prof. Dr. Ed T. Powner)*

Research Interests:

- A. Wireless & Mobile Sensor Networks, IoT
Medium Access Control and Routing Protocols
QoS Supported Communications
Real-time Implementation of Wireless Systems
Radio Resource Management in Multiple Access Networks

- B. Steganography and Steganalysis (Image and Video)

2. Experience:

RANK	DEPARTMENT	YEAR
Professor	Computer Engineering Anhalt University of Applied Sciences Koethen, Germany	2021-...
Professor (R&D Projects Coordinator, Consultant & Freelancer)	Atak Domain Hosting Internet & Information Technologies Inc. and Proaktif Digital Management & Education Systems Inc. Kocaeli University Technopark, Kocaeli, Turkey	2019-2021
Professor	Information Systems Engineering Kocaeli University, Kocaeli, Turkey	2009-2016
Professor (On sabbatical leave)	Computer Engineering T. O. University, Ankara, Turkey	2011-2015
Co-founder (Researcher & Project Manager)	MILETS Marmara Information, Electronics and Telecommunications Systems Corporation LLC Kocaeli University Technopark, Turkey	2006-2016
Assoc. Professor	Electronics and Computer (Computer Systems) Kocaeli University, Kocaeli, Turkey	2004-2009
Assist. Professor	Electronics and Computer (Computer Systems) Kocaeli University, Kocaeli, Turkey	2000-2004
Research Assistant	School of Engineering University of Sussex (Brighton, England/UK)	1995-2000
Research Assistant	Electronics and Computer (Computer Systems) Kocaeli University, Kocaeli, Turkey	1994-1995

3. Ph.D. Theses Supervised:

- 8- Karahan, A., "*Energy efficient hybrid medium access control protocol for wireless sensor networks*", Kocaeli University, 2014.
- 7- **Cakici, S., "*A cross layer routing protocol for mobile sensor networks*", Kocaeli University, 2013.**
- 6- Sazak, N., "*A wireless sensor network medium access control protocol design based on active node and dynamic time slot allocation*", Sakarya University, 2011.
- 5- **Yalman, Y., "*Design and implementation of a steganography method based on histogram modification for digital images*", Kocaeli University, 2010.**
- 4- Bandirmali, N., "*A new data link layer security protocol designed for wireless sensor networks*", Kocaeli University, 2010.
- 3- **Bayilmis, C., "*Design and implementation of an interworking unit extending CAN segments using IEEE 802.11B WLAN*", Kocaeli University, 2006.**
- 2- Ceken, C., "*Real time data transfer with quality of service support using wireless ATM*", Kocaeli University, 2004.
- 1- **Kocak, C., "*A real time multimedia application study for quality of service provisioning in ATM and LMDS network using MPLS*", Sakarya University, 2004.**

4. M.Sc. Theses Supervised:

- 13- **Sevin, A., "*Design and application of an emergency discovery system with a wireless sensor network*", Sakarya University, 2011.**
- 12- **Ozen, Y., "*Integrated e-learning layer for E-government employees*", Kocaeli University, 2011.**
- 11- Karahan, A., "*A generic analytical and simulation model for TDMA-based wireless sensor network medium access control protocols*", Kocaeli University, 2010.
- 10- **Tekinel, A., "*Modular education examination system (MESS) for national ministry of education e-school*", Kocaeli University, 2010.**
- 9- Eryilmaz, E., "*Implementation of skipjack cryptology algorithm for wireless sensor networks using FPGA*", Kocaeli University, 2009.
- 8- **Cakici, S., "*Analytical modeling of wireless sensor networks*", Kocaeli University, 2009.**
- 7- Okcuoglu, Z., "*A wireless sensor network application: Ideal monitoring*", Kocaeli University, 2008.
- 6- **Yalman, Y., "*Design and implementation of hidden data transfer within digital voice for wireless communications*", Kocaeli University, 2007.**

- 5- Bandirmali, N., "An investigation of the effects of transferring data traffic together with video traffic in wireless ATM networks", Kocaeli University, 2005.
- 4- **Acar, O., "Serial communication and Ethernet integration in intelligent building automation systems", Kocaeli University, 2004.**
- 3- Sanli, Yusuf, "Student and teacher perceptions towards computer based examinations", Kocaeli University, 2004.
- 2- **Bayilmis, C., "Performance analysis of wireless computer networks", Sakarya University, 2003.**
- 1- Tolun, B., "MPLS application over ATM networks and its simulation", Sakarya University, 2002.

5. Research Projects:

- 16- **Project Manager, "Microservices & High Availability Distributed Architecture Based Foreign Trade Management System and Software Development", TUBITAK TEYDEB, Project No: 7210001, Proactive Digital Management and Education Systems Ltd. Co. 2019-2021.**
- 15- Project Advisor, "Design and Implementation of Cross Layer and Adaptive QoS Supported MAC Protocol for Wireless Multimedia Sensor Networks", TUBITAK* (1002), Project No: 114E944, 2015-2016.
- 14- **Researcher, "Advanced Patent Monitoring System with Wearable and Fixed Components", TUBITAK -TEYDEB 1130011, MILETS Cooperation, 2014-2016.**
- 13- Researcher, "A Hybrid Energy Efficient MAC Design, Modelling and Performance Analysis for WSNs", TUBITAK, Project No: 113E317, 2013-2014.
- 12- **Researcher, "Sensors-based Remote Patient Monitoring System", TUBITAK -TEYDEB 3110710, MILETS Cooperation, 2011-2013.**
- 11- Project Leader, "Development and Implementation of a New Data Hiding Method for Digital Images", Kocaeli University Research Projects Foundation (2009/044), 2009-2011.
- 10- **Researcher, "Wireless Smart Fire Alarm System" Project, European Union EUREKA E! 8382 Wireless Fire (Project No: 9080002), 2008-2011.**
- 9- Project Leader, "Development and Implementation of a Man over Board Emergency Discovery System for Ships", Denizsan Ship Building Cooperation and Ministry of Industry, 00246.STZ.2008-1, 2008-2010.
- 8- **Project Leader, "Ideal Monitoring Using Wireless Sensor Networks", Kocaeli University Research Projects Foundation (2008/021), 2008-2009.**
- 7- Project Leader, "QoS Supported MAC Protocol Design and Simulation for B-ISDN Systems with Smart Antennas", Kocaeli University Research Projects Foundation (2008/022), 2008-2010.
- 6- **Project Advisor, "A New Energy-aware and QoS Supporting MAC Protocol Design for WSNs", Kocaeli University Research Projects Foundation (2007/30), 2007-2009.**

- 5- Project Leader, "Dynamic Web-based Billboard Programming System Design", Kocaeli University Research Projects Foundation (2005/66), 2005-2006.
- 4- Project Leader, "Design and Implementation of an Interface for Extending Controller Area Network Segments Using WLANs", TUBITAK, Project No: EEEAG 105E059, (2005-2006).**
- 3- Researcher, European Union Active Labor Programs – LIMEP Project, Project No: 274, 2004-2005.
- 2- Researcher, Developing Vocational and Technical Education (European Union and Turkish Ministry of Education - DG1A-D/MEDTQ/15-96), 2004 - 2006.**
- 1- Project Leader, "Real-time Multimedia Transfer Using WLANs", Kocaeli University Research Projects Foundation (2003/104), 2003-2005.

*TUBITAK: The Scientific and Technological Research Council of Turkey

6. Patents:

- 3- "User information and management system based on multiple variables", National, TR2022/019488 (2022, pending).
- 2- "Proximity tracking and warning system with a distance and direction detection method based on relative location", National, TR2021/007076 (2021, pending).**
- 1- "Robust code/data hiding method against analog transmission (over-the-air) for digital audio", International, US20220368450 - WO2021/021059 (2019, pending).

7. Administrative Experience:

Dean	Faculty of Engineering (T.O. University, Ankara, Turkey)	2011-2015
Chairman	Department of Computer Engineering (T.O. University, Ankara, Turkey)	2011-2014
	Department of Electronics and Computer - Computer Systems (Kocaeli University, Turkey)	2001-2005

8. Memberships:

1- Wireless Communications and Information Systems Research Group – WINS, Kocaeli University.

2- Integrated Reconfigurable Intellectual Systems Research Group – IRIS, Sakarya University.

3- IEEE Communications Society.

9. Teaching (last 4 years):

1. Logic Circuits (Undergraduate)

2. Introduction to Computer Engineering - (Undergraduate)

3. Computer Networks - (Undergraduate)

4. Wireless Sensor Networks - (Undergraduate)

5. Digital Data Communication Systems – (M.Sc.)

6. Modeling of Computer Networks – (M.Sc.)

7. Performance Analysis of Computer Networks – (Ph.D.)

10. Journal Papers (indexed in SCI-E):

22.	H. Cinar, M. Cibuk, I. Erturk, "HMCA _{WSN} : A hybrid multi-channel allocation method for erratic delay constraint WSN applications", <i>Computer Standards & Interfaces</i> , Volume 65, Pages 92-102, 2019. https://doi.org/10.1016/j.csi.2019.02.004 https://www.sciencedirect.com/science/article/pii/S0920548918303441?via%3Dihub
21.	E. Eryilmaz, I. Erturk, A. Karahan, M. Yakut, "An 8/32-bit AES Core Implementation in FPGA Based upon A New Throughput/Area Ratio Increasing Approach" (submitted).
20.	T. Aydogan, I. Ozcelik, Erturk I., H. Ekiz, Performance Analysis of CoS of Bridged WorldFIP and ATM Networks for Real Time Communication, <i>ACTA PHYSICA POLONICA A</i> , 130(1), 412-416, 2016. (Selected from the 2nd International Conference on Computational and Experimental Science and Engineering, ICCESSEN'15) http://psjd.icm.edu.pl/psjd/element/bwmeta1.element.bwnjournal-article-appv130n1111kz?q=f3aa4fad-cd7c-4f26-a71b-ec726d179ed1\$2&qt=IN_PAGE
19.	A. Sevin, C. Bayilmis, I. Erturk, H. Ekiz, A. Karaca, "Design and Implementation of a Man Overboard Emergency Discovery System based on Wireless Sensor Networks", <i>Turkish Journal of Electrical Engineering & Computer Sciences</i>, 24, 762-773 (2016). http://journals.tubitak.gov.tr/elektrik/index.php https://dergipark.org.tr/tr/pub/tbtkelektrik/issue/35732/398578
18.	Sedat Atmaca, Alper Karahan, Celal Ceken, Ismail Erturk, "A New MAC Protocol for Broadband Wireless Communications and Its Performance Evaluation", <i>Telecommunication Systems</i> , 57(1), 13-23 (2014). http://link.springer.com/article/10.1007/s11235-013-9771-5?no-access=true
17.	S. Cakici, I. Erturk, S. Atmaca, A. Karahan, "A Novel Cross-layer Routing Protocol for Increasing Packet Transfer Reliability in Mobile Sensor Networks", <i>Wireless Personal Communications</i>, 77(3), 2235-2254 (2014). http://link.springer.com/article/10.1007%2Fs11277-014-1635-0
16.	A. Karahan, I. Erturk, S. Atmaca, S. Cakici, "Effects of Transmit-based and Receive-based Slot Allocation Strategies on Energy Efficiency in WSN MACs", <i>Ad Hoc Networks</i> , 13 (Part B), 404-413 (2014). http://www.sciencedirect.com/ https://www.sciencedirect.com/science/article/abs/pii/S1570870513001984
15.	Senol Gulgonul, Etem Koklukaya, Ismail Erturk, Ahmet Y. Tesneli, "SRRA: Smart Redundancy Reconfiguration Algorithm for Communication Satellite Payload", <i>Journal of the Faculty of Engineering and Architecture of Gazi University</i>, 29(1), 141-147 (2014). http://www.mmfdergi.gazi.edu.tr/article/view/1061001145
14.	Yildiray Yalman, Ismail Erturk, "Secret Data Embedding Scheme Modifying the Frequency of Occurrence of Image Brightness Values", <i>Sadhana Academy Proceedings in Engineering Sciences</i> , Springer, 39(4), 939-956 (2014). http://www.springer.com/engineering/journal/12046
13.	Nukhet Sazak, Ismail Erturk, Etem Koklukaya and Murat Cakiroglu, "An Event-driven WSN MAC Protocol Design Based on Active Node and Dynamic Time Slot

	<p>Allocation", <i>Turkish Journal of Electrical Engineering & Computer Sciences</i>, 21, 812-824 (2013).</p> <p>http://journals.tubitak.gov.tr/elektrik/index.php</p> <p>http://journals.tubitak.gov.tr/elektrik/issues/elk-13-21-3/elk-21-3-15-1108-14.pdf</p>
12.	<p>Yildiray Yalman, Ismail Erturk, "A New Color Image Quality Measure Based on YUV Transformation and PSNR for Human Vision System", <i>Turkish Journal of Electrical Engineering & Computer Sciences</i>, 21, 603-612 (2013).</p> <p>http://journals.tubitak.gov.tr/elektrik/index.php</p> <p>http://journals.tubitak.gov.tr/elektrik/issues/elk-13-21-2/elk-21-2-20-1111-11.pdf</p>
11.	<p>Necla Bandirmali, Ismail Erturk, "WSNSec: A Scalable Data Link Layer Security Protocol for WSNs", <i>Ad Hoc Networks</i>, 10, 37-45 (2012).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S157087051100103X</p>
10.	<p>Cuneyt Bayilmis, Ersoy Kelebekler, Ismail Erturk, Celal Ceken, Ibrahim Ozcelik, "Integration of a speech activated control system and a wireless interworking unit for a CAN-based distributed application", <i>Journal of Network & Computer Applications</i>, Elsevier, 32, 1210-1218 (2009).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/pii/S1084804509000733</p>
9.	<p>Sedat Atmaca, Celal Ceken and Ismail Erturk, "A new QoS-aware TDMA/FDD MAC protocol with multi-beam directional antennas", <i>Computer Standards & Interfaces</i>, Elsevier, 31 (4), 816-829 (2009).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S0920548908001384</p>
8.	<p>Cemal KOCAK, Ismail ERTURK and Huseyin EKIZ, "MPLS over ATM and IP over ATM methods for multimedia applications", <i>Computer Standards & Interfaces</i>, Elsevier, 31 (1), 153-160 (2009).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S0920548907001195</p>
7.	<p>Cuneyt Bayilmis, Ismail Erturk, Celal Ceken and Ibrahim Ozcelik, "A CAN/IEEE 802.11b wireless LAN local bridge design", <i>Computer Standards & Interfaces</i>, Elsevier, 30 (3), 200-212 (2008).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S0920548907000724</p>
6.	<p>Celal CEKEN, Ismail ERTURK, and Cuneyt BAYILMIS, "A New MAC Protocol Design Based on TDMA/FDD for QoS Support in WATM Networks", <i>Computer Standards & Interfaces</i>, Elsevier, 28 (4), 451-466 (2006).</p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/abs/pii/S0920548905000553</p>
5.	<p>Erturk I. "A New Method for Transferring CAN Messages Using Wireless ATM",</p>

	<p><i>Journal of Network & Computer Applications, Elsevier, 28 (1), 45-56 (2005).</i></p> <p>http://www.sciencedirect.com/</p> <p>https://www.sciencedirect.com/science/article/pii/S1084804504000281</p>
4.	<p>Cuneyt BAYILMIS, Ismail ERTURK, and, Celal CEKEN 'Wireless Interworking Independent CAN Segments', <i>Lecture Notes in Computer Science, LNCS 3280, 299-310 (2004).</i></p> <p>http://www.springeronline.com/</p>
3.	<p>Celal CEKEN, Ismail ERTURK, and Cuneyt BAYILMIS, 'A New MAC Protocol Design for WATM Networks', <i>Lecture Notes in Computer Science, LNCS 3261, 564-574 (2004).</i></p> <p>http://www.springeronline.com/</p>
2.	<p>Erturk I., 'Transporting CAN Messages over WATM', <i>Lecture Notes in Artificial Intelligence, LNAI 2639, 724-729 (2003).</i></p> <p>http://www.springeronline.com/</p>
1.	<p>Erturk I. and Stipidis E., 'A New Approach for Real-time QoS Support in IP over ATM Networks', <i>IEICE Transactions on Communications, 10, 2311-2318 (2002).</i></p> <p>http://www.ieice.org/</p> <p><i>(PS: THIS PAPER WAS ALSO PUBLISHED AS ONE OF THE "SELECTED PAPERS FROM IEICE TRANSACTIONS ON COMMUNICATIONS, 1998-2002" IN "IEICE HIGH-PERFORMANCE BACKBONE NETWORK TECHNOLOGIES" BOOK, 2004)</i></p> <p>http://www.dekker.com/servlet/product/productid/5321-6)</p>

11. International Conference Papers:

39.	<p>Ismail Erturk and Ingo Chmielewski, "Improving Drone Data Gathering WSN Application Performance with a Predefined p-based Approach for Slotted p-Persistent CSMA MAC", <i>International Conference on Electrical, Computer and Energy Technologies, 20-22 July 2022, Prague-Czech Republic, pp. 1-5, doi: 10.1109/ICECET55527.2022.9872904. (IEEEExplore)</i></p>
38.	<p>Yunus Ozen, Necla Bandirmali, Cuneyt Bayilmis and Ismail Erturk, "Two Tiered Service Differentiation and Data Rate Adjustment Scheme for WMSNs Cross Layer MAC", <i>International Conference on Electronics, Computer and Computation, pp. 1-4, September 29, Nigeria, 2014.</i></p>
37.	<p>S. Gulgonul, E. Koklukaya, I. Erturk and A. Y. Tesneli, "Communication Satellite Payload Redundancy Reconfiguration", <i>IEEE 1st AESS European Conference on Satellite Telecommunications (ESTEL), pp. 1-4, October 2-5, Rome, Italy, 2012.</i></p>
36.	<p>Süleyman Çakıcı, İsmail Ertürk, Alper Karahan, "The Cross-layer Interaction Approach and using in Mobile Sensor Network Routing Protocols", <i>IATS-2011 The Sixth International Advanced Technologies Symposium, Vol. 3, 163-167, 2011.</i></p>
35.	<p>Alper Karahan, Ismail Erturk, Sedat Atmaca, Suleyman Cakici, "A Hybrid Wireless Sensor Network MAC Protocol", <i>IATS-2011 The Sixth International Advanced Technologies Symposium, Vol-3, 168-171, 2011.</i></p>

34.	Yesilyurt, M., Yalman, Y., Erturk, I., Ozcerit, A. T., "A DCT based Invisible Watermarking Application for Compressed Images", 8th International Conference on Electronics and Computer Technologies (IKECCO'2011), December 18-20, Almaty, Kazakhstan, 2011
33.	Yesilyurt, M., Yalman, Y., Erturk, I., Ozcerit, A.T., "Watermarking Methods for Digital Images: A Case Study", 8th International Conference on Electronics and Computer Technologies (IKECCO'2011), December 18-20, Almaty, Kazakhstan, 2011.
32.	Nukhet Sazak, Ismail Erturk, Etem Koklukaya, Murat Cakiroglu, "Impact of active node determination approach for energy efficiency in WSN MAC protocol design", 3rd International Congress on Ultra-Modern Telecommunications and Control Systems and Workshops (ICUMT), pp. 1-5, Budapest, Hungary, October 5-7, 2011.
31.	Yildiray Yalman, Feyzi Akar, Ismail Erturk, "An Image Interpolation Based Reversible Data Hiding Method Using R-Weighted Coding", 13th IEEE International Conference on Computational Science and Engineering, DOI 10.1109/CSE.2010.52, pp. 346-350, Hong Kong, China, 2010.
30.	Nukhet Sazak, Ismail Erturk, Etem Koklukaya, Murat Cakiroglu, "An Event Driven Slot Allocation Approach to TDMA based WSN MAC Design and Its Effect on Latency", International Computer Engineering Conference (ICENCO), Cairo, Egypt, 27-28 December 2010.
29.	Nukhet Sazak, Ismail Erturk, Etem Koklukaya, Murat Cakiroglu, "A Content Based Scheduling Approach for Wireless Sensor Network MACs", International Symposium on Sustainable Development (ISSD), pp. 413-417, Sarajevo, Bosnia, June 8-9, 2010.
28.	Nukhet Sazak, Ismail Erturk, Etem Koklukaya, Murat Cakiroglu, "An energy efficient MAC protocol for cluster based event driven WSN applications", IEEE International Conference on Software, Telecommunications and Computer Networks (SoftCOM), pp. 76-81, Dubrovnik, Croatia, September 23-25, 2010.
27.	Süleyman Cakici, Ismail Erturk, Alper Karahan, Sedat Atmaca, "An Integrated Approach for Analytical Modeling of WSNs", 3rd IEEE International Conference on Application of Information and Communication Technologies, Azerbaijan, Baku, October 14-16, 2009.
26.	Necla Bandirmali, Ismail Erturk, "Increasing the Reliability of Security Protocols for WSNs", 3rd IEEE International Conference on Application of Information and Communication Technologies, Azerbaijan, Baku, October 14-16, 2009.
25.	Ergin Eryilmaz, Ismail Erturk, Sedat Atmaca, "Implementation of Skipjack Cryptology Algorithm for WSNs Using FPGA", 3rd IEEE International Conference on Application of Information and Communication Technologies, Azerbaijan, Baku, 14-16 October 2009.
24.	Calhan A., Ceken C., Erturk I., "A Teaching Demo Application of Convolutional Coding Techniques for Wireless Communications", 3rd IEEE International Conference on Application of Information and Communication Technologies, Azerbaijan, Baku, 14-16 October 2009.
23.	Yalman Y., Erturk I., "A New Histogram Modification Based Robust Image Data Hiding Technique", IEEE 24th International Symposium on Computer and Information Sciences, ISCIS 2009, pp. 39-43, KKTC, 14-16 September 2009.
22.	Bandirmali N., Erturk I., Ceken C., "Securing Data Transfer in Delay-sensitive and Energy-aware WSNs Using the Scalable Encryption Algorithm", International Symposium on Wireless and Pervasive Computing, ISWPC 2009, pp. 1-6, Melbourne, Australia, 11-13 February 2009.
21.	Calhan A., Ceken C., Erturk I., "Comparative Performance Analysis of Forward Error Correction Techniques Used in Wireless Communications", Third International Conference on Wireless and Mobile Communications, ICWMC 2007, pp. 63-69, French Caribbean, 4-9 Mart 2007.
20.	Cuneyt Bayilmis, Ibrahim Ozcelik, Ismail Erturk, Celal Ceken and Huseyin Ekiz, "Performance Aspects of a Hybrid PROFIBUS Network using OPNET", <i>Proceedings of the OPNETWORK 2006</i> , pg. 1-4, Washington D.C., USA, 28 August - 1 September 2006.

19.	Cuneyt Bayilmis, Ismail Erturk, Celal Ceken, Ibrahim Ozcelik, Ahmet Karaca, "Implementation of a CAN/IEEE 802.11b WLAN/CAN Internetworking System Using A New Designed WIU", 11th International CAN Conference, pp. 41-45, September 2006, Sweden, 2006.
18.	Sedat Atmaca, Celal Ceken, Ismail Erturk, "Capacity Enhancement in Wireless Networks using Directional Antennas", The International Conference on Computer Science, ICCS 2006, pp. 174-179 (Enformatika, Transactions on Engineering, Computing and Technology, Vol. 13, May 2006, ISSN 1305-5313), Budapest, Hungary, 2006.
17.	Bayilmis, C., Erturk, I., Ceken, C., "Extending CAN Segments With IEEE 802.11 WLAN", The 3rd ACS/IEEE International Conference on Computer Systems and Applications, AICCSA-05, pp. 79-86, Egypt, January 2005.
16.	Bayilmis, C., Erturk, I., Ceken, C. and Ozcelik, I., "Modelling Controller Area Networks Using Event Discrete Simulation Technique", Complex Computing Networks, CCN2005, pp. 353-358, İstanbul, Türkiye, 2005.
15.	Necla Bandirmali, Celal Ceken, Cuneyt Bayilmis and Ismail Erturk, "Effects of Transferring Data Traffic on Video Traffic in Wireless ATM Channels", 4th International Conference On Electrical And Electronics Engineering, ELECO 2005, pg. 402-406, Bursa, Turkey, 7-11 December 2005.
14.	Celal Ceken, Ismail Erturk and Cuneyt Bayilmis, "A New MAC Protocol Design for Multimedia Applications in WATM Networks", <i>Proceedings of the OPNETWORK 2004</i> , pg. 1-7, Washington D.C., USA, 30 August - 3 September 2004.
13.	Kocak C., Erturk I. ve Ekiz H., "Comparative Performance Analysis of MPLS over ATM and IP over ATM Methods for Multimedia Transfer Applications", International Conference on Electrical and Electronics Engineering, ELECO 2003, pp. 316-320, Bursa, TURKEY, 3-7 December 2003.
12.	Erturk I., "Remote Access of CAN Nodes Used in a Traffic Control System to a Central Management Unit over Wireless ATM", <i>Proceedings of the IEEE MWCN 2002</i> , pg. 626-630, Stocholm, Sweden, 9-11 September 2002.
11.	Ozcelik I., Erturk I., Ekiz H., Ozcerit A. T. and Selcuk F., "Design and Implementation of a Profibus/ATM LAN Bridge", Proceedings of the 30th International Conference on Computers and Industrial Engineering (CIE 2002), pg. 683-688, Greece, 28 June 2002.
10.	Ozcelik I., Erturk I., Ekiz H., and Selcuk F., "Performace Analysis of a CAN/ATM LAN Bridge Under Various Loads", <i>Proceedings of the 6th Joint Conference on Information Sciences (CIS 2002)</i> , pg. 314-318, North Carolina, USA, 8-13 March 2002.
9.	Ozcelik I., Erturk I., Ekiz H. and Selcuk F., "Desing and Implementation of a CAN/ATM LAN Bridge", Proceedings of the ELECO 2001, pg. 256-260, Bursa, TURKEY, 7-11 November 2001.
8.	Erturk I. and Stipidis E., "MPOA and QoS Support in LIS Internetworking Environments", <i>Proceedings of the IEEE ECUMN 2000</i> , pg. 369-374, Colmar, France, 2-4 October 2000.
7.	Tenruh M., Erturk I., Stipidis E. and English J., "Performance Analysis of Cut-through Bridged Controller Area Networks", Proceedings of the 2nd IEE International Network Conference 2000 (INC 2000), pg. 75-82, Plymouth, UK, 3-6 July 2000.
6.	Erturk I., Tenruh M., Stipidis E. and Kutlu A., "QoS support for real-time applications in IP over ATM networks", <i>Proceedings of the 2nd IEE International Network Conference 2000 (INC 2000)</i> , pg. 137-144, Plymouth, UK, 3-6 July 2000.
5.	Tenruh M., Erturk I., Stipidis E. and Kutlu A., "Extending Controller Area Networks by Cut-through Bridging", Proceedings of the 14th International Symposium on Computer and Information Sciences (ISCIS'99), pp. 1053-1056, Turkey, 18-20 October 1999.
4.	Erturk I., Tenruh M., Stipidis E. and Kutlu A., "Interconnection of ATM LANs with legacy LANs across an ATM backbone using LAN Emulation Service", <i>Proceedings</i>

	<i>of the 14th International Symposium on Computer and Information Sciences (ISCIS'99)</i> , pp. 703-710, Turkey, 18-20 October 1999.
3.	Stipidis E., Ekiz H., Erturk I. and Powner E. T., "The Road to Fully Integrated Control Systems with ATM", <i>Proceedings of the EUROPTO International Symposium on Broadband European Networks</i>, Vol. 3408, pp. 328-336, Zurich, Switzerland, May 1998.
2.	Erturk I., Jump A. and Powner E. T., "A User Interface Proposal for an ATM Local Area Network", <i>Proceedings of the International Symposium on Communication Systems & Digital Signal Processing (CSDSP'98)</i> , pp. 408-411, Sheffield, UK, 6-8 April 1998.
1.	Kutlu A., Ekiz H., Erturk I., and Powner E. T., "Comparison of WMAC and COMB Wireless Protocols for Control Area Network", <i>Proceedings of the 4th Communication Networks Symposium</i>, pp. 254-256, Manchester, UK, 7-8 July 1997.

12. International Book Chapters:

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Citations	713
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3	Süleyman Demirel Üniversitesi Fen Bilimleri Enstitüsü Dergisi
2	5th International Bi-annual Symposium on Computational Technologies for Fluid/Thermal/Chemical/Stressed Systems with Industrial Applications, ASME PVP Division Conference, July 25-29, 2004, San Diego/La Jolla, USA
1	The Fifth International Conference on Parallel and Distributed Computing, Applications and Technologies (PDCAT 04), 8-10 December 2004, Singapore

18. Member of Editorial Board:

7.	International Conference on Electronics, Computer and Computation (TPC Member) http://www.icecco.org/	2014-
6.	Turkish Journal of Electrical Engineering & Computer Sciences ISSN 1300-0632 http://journals.tubitak.gov.tr/elektrik/index.php	2013-2015
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19. Professional Activities:

Co-founder	MILETS Marmara Information, Electronics and Telecommunications Systems Limited Corporation (Kocaeli University Technopark, Kocaeli, Turkey)	2006-2016
Member	TUBITAK EEEAG Electronics and Informatics Research Group Mobil Communications Technologies Board (Ankara, Turkey)	2013-2014
Chairman	KOSGEB Research & Development Board (OSTİM-TOU, Ankara, Turkey)	2011-2015

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