

Özgür Erçetin

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EDUCATION

<i>University of Maryland, College Park, MD</i> Ph.D. in Electrical and Computer Engineering Dissertation: "Market Based Resource Allocation for Content Delivery in the Internet" Prof. L. Tassiulas	2002
<i>University of Maryland, College Park, MD</i> M.S. in Electrical and Computer Engineering Thesis: "Broadcast Information Dissemination in Satellite-Terrestrial Wireless Networks" Prof. L. Tassiulas	1998
<i>Middle East Technical University (METU), Ankara, Turkey</i> B.S. High Honors in Electrical and Electronics Engineering	1995

TEACHING EXPERIENCE

<i>Sabanci University, Istanbul, Turkey</i> Assistant and Associate Professor – Electronics Engineering	2002–Present
<ul style="list-style-type: none">• Signals,• Multimedia Networks,• Information and Coding Theory,• Random Processes,• Network Theory and Fundamentals,• Security in Wireless Local Area Ad Hoc and Sensor Networks,• Optimization in Wireless Networks,• Discrete Signals,• Engineering Optimization.	

RESEARCH EXPERIENCE

<i>Sabanci University</i> Associate Professor	Jan 2009–present
<i>DoCoMo Labs USA</i> Visiting Researcher	Summer 2009
<i>The Ohio State University</i> Visiting Associate Professor	Fall 2009
<i>Sabanci University</i> Assistant Professor	2002–2008
<i>University of California, Riverside, CA</i> Visiting Faculty Researcher	Jul–Oct 2004
<i>HRL Laboratories, Malibu, CA</i> Visiting Assistant Researcher	May–Sept 1999

PROJECTS

1. "A Routing Algorithm for Convergence of Heterogeneous Networking Technologies," PI. Funded by Ministry of Industry and Technology and Airties Technologies: TRY 109050. 2013-2015.
2. "On Tradeoff Between Quality of Experience and Energy Efficiency in Heterogeneous Cellular Networks," PI. Funded by TurkTelekom: TRY 132000. 2013-2015.
3. "Cross-layer Modeling and Optimization of Multi-media Communications in MIMO Wireless Networks," PI. Funded by TUBITAK: US \$50,000. 2010-2012.
4. "Practical and optimal Handover algorithm towards Femtocells integrated with adaptive hybrid access control in hierarchical 3/3.5G networks," Co-PI. Funded by TurkTelekom: TRY 66000. 2011-2012.
5. "AGILENET: Adaptive, Heterogeneous, Incentive-Compatible, Localized And Secure Networking," Coordinator. Funded by European Commission, FP7 MC-IRSES program: €118,000. 2011-2014.
6. "Game Theoretical Analysis and Design of Distributed Control Algorithms in Wireless Hot Spots," PI. Funded by TUBITAK: US\$70,000. Aug 2005 - Jul 2008.
7. "Multimedia Transmission over Wireless Mesh Networks," co-PI. Funded by AirTies Inc, and TTGV, \$130,000, Sep 2005-Sep 2007.
8. "New Technologies to Avoid Digital Division in e-Divided Areas," funded by FP6 Space-2005: US\$220,000. Jul 2005-2009.
9. "Design of algorithms for ensuring timely and secure data delivery in wireless networks," funded by Tübitak under bilateral agreement between GSRT and Tübitak: US\$36,000, Sep 2006-May 2008.
10. "Broadband Service Manager," Co-PI. Funded by Gantek Teknoloji and TTGV: \$90,000. Feb 2004 - Jul 2005.

PUBLICATIONS

Articles in Refereed Journals

1. M. Karaca, O. Ercetin, T. Alpcan, "Entropy-based Active Learning for Scheduling in Wireless Networks," submitted *ACM Wireless Networks*.
 2. Y. Sarikaya, O. Ercetin, C. E. Koksak, "Confidentiality-Preserving Control of Uplink Cellular Wireless Networks Using Hybrid ARQ," submitted *IEEE/ACM Transactions on Networking*.
 3. Y. Sarikaya, O. Ercetin, C. E. Koksak, "Dynamic Network Control for Confidential Multi-hop Communications," submitted *IEEE/ACM Transactions on Networking*.
 4. M. Karaca, Y. Sarikaya, O. Ercetin, T. Alpcan, H. Boche, "Joint Opportunistic Scheduling and Selective Channel Feedback," *IEEE Transactions on Wireless Communications*, 2013 (in press).
 5. M. Karaca, K. Khalil, E. Ekici, O. Ercetin, "Optimal Scheduling and Power Allocation in Cooperative-to-Join Cognitive Radio Networks," *IEEE/ACM Transactions on Networking*, 2013 (in press).
 6. C. Emre Koksak, O. Ercetin, Y. Sarikaya, "Control of Wireless Networks with Secrecy," *IEEE/ACM Transactions on Networking*, vol.21, no.1, pp. 324-337, Jan 2013.
 7. M. Karaca, O. Ercetin, "Throughput Optimal Multi-User Scheduling via Hierarchical Modulation," *IEEE Wireless Communications Letters*, vol.1, no.3, pp.245-248, 2012.
 8. Y. Sarikaya, T. Alpcan, O. Ercetin, "Dynamic Pricing and Queue Stability in Wireless Random Access Games," *IEEE Journal of Selected Topics in Signal Processing*, vol.6, no2, pp.140-150, 2012.
 9. A. Aksu, P. Krishnamurthy, D. Tipper, O. Ercetin, "On security and reliability using cooperative transmissions in sensor networks," *ACM Mobile Networks and Applications (MONET)*, vol. 17, no. 4, pp. 526-542, 2012.
 10. Y. Sarikaya, I. C. Atalay, O. Gurbuz, O. Ercetin, A. Ulusoy, "Estimating the channel capacity of multi-hop IEEE 802.11 wireless networks," *Ad Hoc Networks*, vol.10, no.6, pp. 1058-1075, Aug 2012.
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11. F. Birlik, O. Gurbuz, O. Ercetin, "IPTV Home Networking via 802.11 Wireless Mesh Networks: An Implementation Experience," *IEEE Transactions on Consumer Electronics*, vol.55, no.3, pp. 1192-1199, Aug 2009.
 12. S. Ciftlikli, F. Oztoprak, O. Ercetin, K. Bulbul, "Distributed Algorithms for Delay Bounded Minimum Energy Wireless Broadcasting," *IJITN Special Issue on Wireless Telecommunications* 1(2), pp. 46-65, April-June 2009.
 13. K. Bulbul, O. Ercetin, T. Unluyurt, "Delay Constrained Energy-Efficient Broadcasting: Insights from Massively Dense Ad Hoc Networks," *IEEE Transactions on Mobile Computing*, vol.8, no.2, pp. 188-202, Feb 2009.
 14. G. Athanasiou, T. Korakis, O. Ercetin, and L. Tassiulas, "A Cross-Layer Framework for Association Control in Wireless Mesh Networks," *IEEE Transactions on Mobile Computing*, vol.8, no.1, pp. 65-80, Jan. 2009.
 15. S. V. Kaya, E. Savas, A. Levi, O. Ercetin, "Privacy-Aware Multi-Context RFID Infrastructure using Public Key Cryptography," *Ad Hoc Networks Journal*, vol.7, no.1, pp. 136-152, January 2009.
 16. O. Ercetin, "Association Games in IEEE 802.11 Wireless Local Area Networks," *IEEE Transactions on Wireless Communications*, vol.7, no.12, pp. 5136-5143, Dec 2008.
 17. A. Aksu, and O. Ercetin, "Reliable Multi-hop Routing with Cooperative Transmissions in Energy-Constrained Networks," *IEEE Transactions on Wireless Communications*, vol.7, no.8, pp. 2861-2865, August 2008.
 18. M. S. Gokturk, O. Ercetin, and O. Gurbuz, "Throughput Analysis of Aloha with Cooperative Diversity," *IEEE Communications Letters*, vol.12, no.6, pp. 468-470, June 2008.
 19. K. Bulbul, O. Ercetin, "Maximum Precision-Lifetime Curve for Joint Sensor Selection and Data Routing in Sensor Networks," *European Transactions on Telecommunications*, vol. 18, no. 7, pp. 815-823, October 2007.
 20. O. Ercetin, O. Gurbuz, K. Bulbul, A. Aksu, and E. N. Ciftcioglu, "A Practical Routing and MAC Framework for Maximum Lifetime Sensor Telemetry," *IEICE Transactions on Communications*, E90-B (11), 3146-3157, November 2007.
 21. H. Seferoglu, O. Gurbuz, O. Ercetin and Y. Altunbasak, "Rate Distortion Optimized Joint ARQ-FEC for Real-Time Wireless Multimedia," *Signal Processing: Image Communications*, 22(6), 529-542, July 2007.
 22. O. Ercetin, "Efficient Multimedia Packet Forwarding for Multihomed Users in Wireless LANs," *Telecommunications Systems*, vol 34, no 3-4, pp. 133-145, April 2007.
 23. G. Jakllari, S. V. Krishnamurthy, M. Faloutsos, P. V. Krishnamurthy and O. Ercetin, "A Cross-Layer Framework for Exploiting Virtual MISO Links in Mobile Ad-hoc Networks," *IEEE Transactions on Mobile Computing*, vol.6, no.6, pp. 579-594, June 2007.
 24. Ö. Ocakoglu and O. Ercetin, "Energy Efficient Random Sleep-Awake Schedule Design," *IEEE Communications Letters*, 10 (7): 528-530, July 2006.
 25. O. Ercetin, L. Tassiulas, "Pricing Strategies for Differentiated Services Content Delivery Networks," *Computer Networks*, vol 49, no 6, pp 840-855, 19 December 2005.
 26. O. Ercetin, M. O. Ball, and L. Tassiulas, "A Modeling Study for Evaluation of Aeronautical Broadband Data Requirements over Satellite Networks," *IEEE Transactions on Aerospace and Electronic Systems*, vol 41 no 1, pp. 361-371, Jan 2005.
 27. O. Ercetin, M. O. Ball and L. Tassiulas, "Next Generation Satellite Systems for Aeronautical Communications," *International Journal for Satellite Communications and Networking*, vol 22 no 2, pp. 157-179, Mar/Apr 2004.
 28. O. Ercetin, L. Tassiulas, "Market Based Resource Allocation for Content Delivery in the Internet," *IEEE Transactions on Computers*, vol 52 no 12, pp. 1573- 1585, Dec 2003.
 29. O. Ercetin, S. Krishnamurthy, S. K. Dao and L. Tassiulas, "Provision of Guaranteed Services in Broadband LEO Satellite Networks," *Computer Networks*, vol.39, no.1, pp. 61-77, May 2002.
 30. O. Ercetin, L. Tassiulas, "Push Based Information Delivery in Two Stage Satellite-Terrestrial Wireless Systems," *IEEE Transactions on Computers*, vol.50, no.5, pp. 506-518, May 2001.
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Proceedings in Refereed Conferences

1. Y. Sarikaya, O. Ercetin, O. Gurbuz, "Dynamic Control for Cooperative Jamming with a Non-altruistic Node," *IEEE Conference on Communications and Network Security 2013*, Washington, DC, 2013.
 2. Y. Sarikaya, O. Ercetin, C. E. Koksal, "Dynamic Network Control for Confidential Multi-hop Communications," *2013 11th International Symposium and Workshops on Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks, WiOpt 2013*, pp. 272-279, 2013.
 3. M. Karaca, T. Alpcan, O. Ercetin "Smart Scheduling and Feedback Allocation over Non-stationary Wireless Channels", *IEEE International Conference on Communications*, pp. 6586-6590, 2012.
 4. M. Karaca, O. Ercetin, T. Alpcan, H. Boche "Efficient Wireless Scheduling with Limited Channel Feedback and Performance Guarantees, *IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC'2012*, pp. 106-111, 2012.
 5. Y. Sarikaya, O. Ercetin, C. E. Koksal, "Wireless network control with privacy using hybrid ARQ," *Proceedings of 2012 International Symposium on Information Theory (ISIT)*, pp. 1142-1146, Boston, MA, 2012.
 6. I. C. Atalay, O. Gurbuz, O. Ercetin, "MDP based handover decision algorithm for femtocells," *20th Signal Processing and Communications Applications Conference (SIU)*, 2012.
 7. Y. Sarikaya, T. Alpcan, O. Ercetin, "Resource Allocation Game for Wireless Networks with Stability Constraints," *IEEE Conference on Decision and Control (CDC)* 2011, Orlando, FL.
 8. M. Karaca, O. Ercetin, "Optimal Scheduling and Resource Allocation Using Hierarchical Modulation in Wireless Networks," *Eighth IEEE and IFIP International Conference on wireless and Optical communications Networks, WOCN 2011*, Paris, France.
 9. N. Aydin, M. Karaca, O. Ercetin, "Energy-Optimal Scheduling in Low Duty Cycle Sensor Networks," *International Symposium on Performance Evaluation of Computer and Telecommunication Systems (SPECTS 2011)*, The Hague, Netherlands, June 2011.
 10. K. Khalil, M. Karaca, O. Ercetin, E. Ekici, "Optimal Scheduling in Cooperate-to-Join Cognitive Radio Networks," *Proceedings of INFOCOM 2011*, Shanghai, CN, April 2011.
 11. C. E. Koksal, O. Ercetin, Y. Sarikaya, "Control of wireless networks with secrecy," *Proceedings of Asilomar Conference on Signals, Systems, and Computers*, Pacific Grove, CA, Sept. 2010.
 12. A. Aksu, P. Krishnamurthy, D. Tipper, O. Ercetin, "Tradeoffs between security and reliability using cooperative transmissions in sensor networks," *6th International Conference on Collaborative Computing: Networking, Applications and Worksharing*, Chicago, Illinois, Oct. 2010.
 13. Y. Sarikaya, O. Ercetin, "On Physically Secure and Stable Slotted Aloha System," *47th Annual Allerton Conference on Communication, Control, and Computing*, Monticello, IL, Sep 30-Oct 2, 2009.
 14. M. Karaca, O. Ercetin, "A MAC Protocol for Multihomed WLANs," *Proc. IEEE ISWCS 2008*, pp. 421-423, Reykjavik, Iceland, 21-24 Oct. 2008.
 15. O. Ercetin, "Distance-Based Routing for Balanced Energy Consumption in Sensor Networks," *Proc. IEEE Globecom 2008*, pp. 1-5, New Orleans, USA, Nov. 30 2008-Dec. 4 2008.
 16. M. S. Gokturk, O. Ercetin, and O. Gurbuz, "Energy Distribution Control in Wireless Sensor Networks Through Range Optimization," *Proc. IEEE PIMRC 2008*, pp.1-5, Cannes, France, 15-18 Sept. 2008.
 17. I. C. Atalay, Y. Sarikaya, O. Gurbuz, O. Ercetin, "Accurate Non-Intrusive Residual Bandwidth Estimation in 802.11 WMNs," *Proc. IEEE Wimesh'08 (in conjunction with IEEE SECON'08)*, Burlingame, CA, USA.
 18. S. Ciftlikli, F. Oztoprak, O. Ercetin, K. Bulbul, "Distributed Algorithms for Delay Bounded Minimum Energy Wireless Broadcasting," *The Ninth INFORMS Telecommunications Conference*, College Park, MD, Mar 27-29, 2008.
 19. F. Birlik, O. Ercetin, O. Gurbuz, "Prioritized Video Streaming in Wireless Mesh Networks," *Proc. IEEE WoWMoM 2007*, pp.1-3, Helsinki, Finland, 18-21 June 2007.
 20. A. Unlu, O. Armagan, E. Savas, A. Levi, O. Ercetin, "Key Predistribution Schemes for Sensor
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- Networks for Continuous Deployment Scenario," *Proceedings of IFIP Networking 2007*.
21. S. Kaya, A. Levi, E. Savas, O. Ercetin, "Privacy-Aware Multi-Context RFID Infrastructure using Public Key Cryptography," *Proceedings of IFIP Networking 2007*.
 22. A. Aksu, and O. Ercetin, "An Energy-Efficient Routing Protocol for Networks with Cooperative Transmissions," *Proceedings of International Conference on Communications (ICC)*, Glasgow, UK, June 2007.
 23. K. Bulbul, O. Ercetin and T. Unluyurt, "Delay Constrained Minimum Power Broadcasting in Wireless Networks," *5th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks (WiOpt)*, April 2007.
 24. G. Athanasiou, T. Korakis, O. Ercetin, and L. Tassiulas, "Dynamic Cross-Layer Association in 802.11-based Mesh Networks," *Proceedings of IEEE Infocom*, May 2007, Anchorage, Alaska, USA.
 25. A. Aksu, O. Ercetin, "Multihop Cooperative Transmissions in Wireless Sensor Networks," *2nd IEEE Workshop on Wireless Mesh Networks (WiMesh)*, pp: 132 – 134, 2006.
 26. G. Jakllari, S. V. Krishnamurthy, M. Faloutsos, P. V. Krishnamurthy and O. Ercetin, "A Framework for Distributed Spatio-Temporal Communications in Mobile Ad hoc Networks," *Proceedings of IEEE Infocom*, May 2006, Barcelona, Spain.
 27. H. Seferoglu, O. Gürbüz, O. Ercetin, Y. Altunbasak, "Video Streaming to Multiple Clients over Wireless Local Area Networks," *Proceedings of IEEE ICIP*, Aug 2006, Atlanta, GA.
 28. O. Ercetin, K. Bulbul, O. Gurbuz, and A. Aksu, "Joint Sensor Selection and Data Routing in Sensor Networks," *IFIP NETWORKING 2005*, LNCS 3462, R. Boutaba et al. (Eds.), pp. 828–839, 2005.
 29. T. Korakis, O. Ercetin, S. Krishnamurthy, L. Tassiulas and S. Tripathi, "Link Quality based Association Mechanism in IEEE 802.11h compliant Wireless LANs," *1st workshop on Resource Allocation in Wireless NETworks (in conjunction with WiOpt 2005)*, April 3, 2005.
 30. H. Seferoglu, Y. Altunbasak, O. Gurbuz and O. Ercetin, "Rate Distortion Optimized Joint ARQ-FEC for Real-Time Wireless Multimedia," *Proceedings of IEEE International Conference on Communications (ICC'05)*, Seoul, Korea, May16-20, 2005.
 31. C. Oniz, S. Tasci, E. Savas, O. Ercetin, and A. Levi, "SeFER: A Secure, Flexible and Efficient Routing Protocol for Distributed Sensor Networks," *2nd European Workshop on Wireless Sensor Networks (EWSN'05)*, Jan 31-Feb2, 2005.
 32. O. Ocakoglu, B. Bayoglu, A. Levi, O. Ercetin and E. Savas, "A Probabilistic Routing Disruption Attack on DSR and Its Analysis," *Med-Hoc-Net 2004 - Third Annual Mediterranean Ad Hoc Networking Workshop*, pages 300 - 306, June 27-30, 2004.
 33. O. Ercetin, L. Tassiulas, "Pricing and Peering Strategies of Differentiated Services Content Networks," *Eighth IEEE Symposium on Computers and Communications (ISCC' 03)*, July 2003. (Best Local Paper Award).
 34. O. Ercetin, M. O. Ball and L. Tassiulas, "Real-Time Broadband Aeronautical Communications over Satellite Networks," *21st AIAA International Communications Satellite Systems Conference*, Yokohoma, Japan, April 2003.
 35. O. Ercetin, S.Krishnamurthy, S.K.Dao and L. Tassiulas, "A Predictive QoS Routing Protocol for Broadband LEO Satellite Networks," *Personal, Indoor, Mobile, Radio Communications Conference (PIMRC) 2000*, London, UK, Sept 2000.
 36. O. Ercetin, L.Tassiulas, "Information Delivery in Two-Stage Satellite Terrestrial Wireless Systems," *32nd Annual Conference on Information Sciences and Systems*, Princeton, NJ, March 18-20, 1998.

Patents

1. O. Gurbuz, O. Ercetin, I. C. Atalay, Y. Sarikaya "Method and Apparatus for Real-Time Estimation of Channel Capacity in Wireless Mesh Networks," EP 2 359 543 B1.
 2. S. Krishnamurthy, O. Ercetin and S. K. Dao, "Method and Apparatus for Predictive QoS Routing Protocols for Broadband Low Earth Orbit Satellite Networks," US Patent 6,609,002 B1, issued on August 19, 2003.
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Book Chapter

- T. Bektas, O. Ercetin, "Content Delivery Networks Modeling," *Advanced Content Delivery and Streaming in the Cloud*, Edited by Pathan, Sitaraman, Robinson, 2013.

THESIS SUPERVISION

1. Emre Özfatura, MS (EE) "Resource Allocation for Streaming Video in a Multi-user Downlink Channel" expected graduation in Dec 2014.
2. Abbas Farrokhi, MS (EE) "Energy Efficient Video Streaming in Next Generation HetNets" expected graduation in Aug 2015.
3. Onur Çarhacıoğlu, MS (EE) "Convergence of Power Line and Wifi Communications for Home Networking" expected graduation in Aug 2015.
4. Y. Sarıkaya, PhD (EE) "Network Control of Systems with Secrecy," expected graduation in Dec 2013.
5. M. O. Memis, MS (EE) "Power Control and Resource Allocation for QoS Guarantees in MIMO Downlink Networks," Aug 2013.
6. Mehmet Karaca, PhD (EE) "Network Control in Non-stationary Wireless Networks," completed in Jan 2013.
7. I. C. Atalay, MS (EE), "MDP based handover decision algorithm for femtocells," completed in June 2012.
8. Can Berk Güder, MS (CS), "Efficient and Secure Delivery of Area-Persistent Safety Messages in Vehicular Ad Hoc Networks" MS Thesis completed in August 2009.
9. Firat Birlik, MS (EE), "Design and Implementation of 802.11 Wireless Mesh Networks," completed in Jan 2008.
10. Mehmet Karaca MS (EE), "Multimedia Packet Forwarding in 802.11 Networks with Access Point Diversity," completed in Aug 2008.
11. Yunus Sarıkaya, MS (EE) "QoS Routing in 802.11 Wireless Mesh Networks," completed in Aug 2008.
12. Serkan Ciftlikli, MS (EE) "Optimal Distributed Multicasting in Wireless Networks with Limited Resources," completed in Aug 2008.
13. Aylin Aksu, MS (EE) "On Energy Efficiency of Routing with Cooperative Transmissions," completed in Aug 2006.
14. Hulya Seferoglu, MS (EE) "Rate Distortion Optimized Joint ARQ-FEC Scheme for Real-Time Wireless Multimedia," completed in Aug 2005.
15. Ozleyis Ocakoglu, MS (EE) "Improving Network Reliability by Exploiting Path Diversity in Ad Hoc Networks with Bursty Losses," completed in January 2005.

AWARDS

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|--|-------------------|
| • Dr. Bulent Kerim Altay academic achievement awards, Middle East Technical University | 1991, 1994 |
| • Graduate School Fellowship, University of Maryland | 1996–1998 |
| • Best Local Paper Award, IEEE ISCC | 2003 |
| • "Doçent" title given by YÖK, (Higher Education Council of Turkey) | 2009 |
| • Sakıp Sabancı Fund Award given for the project "Residual Bandwidth Estimation Method/Algorithm for Wireless Mesh Networks" | 2010 |
| • Best Paper Award IEEE SPECTS | 2011 |
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SERVICE

- Associate Editor for Ad Hoc Networks Journal 2010-2013.
 - Evaluator for European Commission Eurostars programme 2010-.
 - Evaluator and Reviewer for Tubitak-TEYDEB, TTGV, Teknoloji Ödülleri 2008-.
 - Evaluator and Reviewer for Satellite Communications Technologies in European Commission Framework Program 6 (FP6), 2002, 2003, 2004, 2005, 2006.
 - Technical Program Committee Chair for IEEE ICPS 2007, Publication Chair for ACM MobiHoc 2004,
 - Past and/or present Technical Program Committee member for Infocom, PIMRC, Wowmom, ICC, SECON, MASS, WiOPT, Networking, WCNC, Globecom.
 - Reviewer for numerous journals and conferences in the areas of communication networks, including: IEEE/ACM Transactions on Networking, IEEE Transactions on Information Theory, IEEE Transactions on Computers, IEEE Transactions on Mobile Computing, IEEE Transactions on Wireless Communications, IEEE Transactions on Vehicular Technology, IEEE Computer Magazine; Elsevier Computer Networks, ACM Mobile Computing and Communications Review (MC2R), ACM Transactions on Internet Technology, International Journal of Foundations of Computer Science (IJFCS); IEEE Communications Letters; INFOCOM; ICC; SECON; EWSN, etc.
 - Coordinator for Electronics Engineering group 2010-2012.
 - Coordinator for Faculty of Engineering and Natural Sciences Graduation Projects 2009-2012.
 - Member of Transfer Students Committee 2007-2009.
 - Member of Sabanci University Curriculum committee, 2002-2006.
 - Member of Sabanci University Sports Committee, 2005-2006.
 - Member of Student Discipline Committee, 2013-.
 - Member of Student Extracurricular Activities Award Committee, 2013-.
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