

Mehmet Ufuk Çağlayan
Publication List/Yayın Listesi

Books, Book Chapters/Kitaplar, Kitap Bölümleri

1. **M. Ufuk Çağlayan**, Ayşe Bener, *Avrupa Birliği Sürecinde Türkiye’de Bilişim ve Telekomünikasyon Teknolojileri Sektörü Üzerine Görüş ve Öneriler*, TÜSİAD Yayın No. TÜSİAD-T/2006-06/419, Haziran 2006 (ISBN: 975-8458-98-1) (in Turkish).
2. **M. Ufuk Çağlayan** ve Attila Özgüt, *41 Soruda GSM ve Sağlık*, Şubat 2005 (in Turkish).
3. S. Oktuğ and **M. U. Çağlayan**, "ATM Physical Layer and ATM Signalling," Chapter 1.2, *The ATM Handbook*, F. Golshani and F. Groom (Editors), IEC, 2000 (ISBN: 0-933217-63-3).
4. Yurdakul Ceyhun ve **M. Ufuk Çağlayan**, *Bilgi Teknolojileri Türkiye İçin Nasıl Bir Gelecek Hazırlamakta (The Future of Information Technologies in Turkey)*, Türkiye İş Bankası Kültür Yayınları, February 1997, x+146 pages. (Recipient of “İş Bankası Büyük Ödülü”, in Turkish).
5. Fedon Kadifeli, A. C. Cem Say, **M. Ufuk Çağlayan**, *Standart C Programlama Dili*, Sarmal Yayınevi, İstanbul, 1993, xvi+220 pages (in Turkish).
6. **M. Ufuk Çağlayan**, Fedon Kadifeli, A. C. Cem Say, *Standard C Programming*, Boğaziçi University Press, İstanbul, 1989, xiv+195 pages.

Edited Conference and Symposium Proceedings/Konferans ve Sempozyum Bildiri Kitapları

1. **Mehmet Ufuk Çağlayan**, Anthony J. Field, Erol Gelenbe (Editors), *Proceedings of the Fifteenth IEEE International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunications Systems, MASCOTS 2007*, İstanbul, October 24-26, 2007, xiii+445 pages (ISBN: 978-1-4244-1853-4).
2. Fatih Alagöz, **M. Ufuk Çağlayan** (Editors), *Proceedings of the Seventh Symposium on Computer Networks, ISCN'06*, İstanbul, June 16-18, 2006, x+271 pages (ISBN: 1-4244-0491-6).
3. Tuna Tuğcu, Erol Gelenbe, **M. Ufuk Çağlayan**, Fatih Alagöz (Editors), *New Trends in Computer Networks*, Imperial College Press, 2005, xviii+383 pages (ISBN: 1-86094-611-9).
4. S. Kuru, **M. U. Çağlayan**, H. L. Akın (Editors), *Proceedings of the Twelfth International Symposium on Computer and Information Sciences (ISCIS XII)*, Antalya, October 1997, xiv+638 pages, Boğaziçi University Press, 1997.
5. S. Bilgen, **M. U. Çağlayan**, C. Ersoy (Editors), *Proceedings of the First Symposium on Computer Networks, BAS'96*, İstanbul, May 30-31, 1996, viii+206 pages.
6. S. Kuru, **M. U. Çağlayan**, E. Gelenbe, H. L. Akın, C. Ersoy (Editors), *Proceedings of the Ninth International Symposium on Computer and Information Sciences (ISCIS IX)*, Antalya, November 1994, 834 pages.

Journal Papers/Makaleler

1. Devrim Ünal and **M. Ufuk Çağlayan**, "XFPM-RBAC: XML Based Specification Language for Security Policies in Multi-Domain Mobile Networks, “ *Security and Communication Networks* (Accepted for Publication, November 2011)
2. Şerif Bahtiyar and **Mehmet Ufuk Çağlayan** “Extracting Trust Information from Security System of a Service, “ *Journal of Network and Computer Applications* (Accepted for Publication, October 2011)

3. Devrim Ünal and **Mehmet Ufuk Çağlayan**, "Spatio-Temporal Model Checking of Location and Mobility Related Security Policy Specifications," *Turkish Journal of Electrical Engineering and Computer Sciences* (Accepted for Publication, August 2011)
4. E. Önem, A. Burak Gürdağ and M. Ufuk Çağlayan, "Formal Security Analysis of Ariadne Secure Routing Protocol Using Model Checking," *Int. J. Ad Hoc and Ubiquitous Computing*, Vol. x, No. x, 2010, pp ?-?.
5. Yeonghwan Tscha and **Mehmet Ufuk Çağlayan**, "Query slipping prevention for trajectory-based publishing and subscribing in wireless sensor networks," *Computer Communications*, Vol.29 Issue 11, pp.1979-1991, 2006. (ISSN: 0140-3664, SCI-E)
6. İ. Demirkol, C. Ersoy, **M. U. Çağlayan** ve H. Deliç, "Location Area Planning and Cell to Switch Assignment in Cellular Networks Using Simulated Annealing," *IEEE Tr. on Wireless Communications*, Vol.3, No.3, pp. 880-890, May 2004. (ISSN: 1536-1276, SCI-E)
7. A. Levi, **M. U. Çağlayan** and C. K. Koc, "Use of nested certificates for efficient, dynamic and trust preserving public key infrastructure," *ACM TISSEC Transactions on Information and System Security*, Vol: 7, no. 1, pp. 21-59, February 2004. (ISSN: 1094-9224)
8. **M. U. Çağlayan**, F. Sivrikaya ve B. Yener, "What is the Optimum Length of a Wireless Link," *Upgrade*, Vol V, No:1 pp. 20-25, February 2004. (ISSN: 1684-5285)
9. E. Onur, H. Deliç, C. Ersoy ve **M. U. Çağlayan**, "Measurement Based Replanning of Cell Capacities in GSM Networks," *Computer Networks*, Vol: 39 (6), pp 749-767, August 2002. (ISSN: 1389-1286, SCI-E)
10. A. Levi, **M. U. Çağlayan**, "Analytical Performance Evaluation of Nested Certificates," *Performance Evaluation*, (36)1 (1999), pp 213-232. (ISSN: 0166-5316, SCI)
11. S. F. Oktuğ, **M. U. Çağlayan**, "Design and Performance Evaluation of a Banyan Network Based Interconnection Structure for ATM Switches," *IEEE J. on Selected Areas in Communications*, v15, No.5, June 1997, pp 807-816. (ISSN: 0733-8716, SCI)
12. S. F. Oktuğ, **M. U. Çağlayan**, "Parameter Threshold in Type II Traffic for Banyan Networks," *Electronics Letters*, v32, No.3, 1st February 1996, pp 181-182. (ISSN: 0013-5194, SCI)
13. **M. U. Çağlayan**, "Performance Modeling and Evaluation of SAMIS Computer Network by Using PAWS," *Arabian Journal for Science and Engineering*, Oct.1990, pp 565-575. (ISSN: 1319-8025, SCI-E)
14. S. S Yau, **M. U. Çağlayan**, "Distributed Software System Design Representation Using Modified Petri Nets," *IEEE Trans. on Software Engineering*, vol. SE-9, No.6, November 1983, pp 733-745. (ISSN: 0098-5589, SCI)

Conference Papers/Bildiriler

1. Mete Akgün, Ali Özhan Gürel and **M. Ufuk Çağlayan**, "Attacks to a Lightweight RFID Mutual Authentication Protocol," *Proc. 5th International Conference for Internet Technology and Secured Transactions (ICITST 2010)*, London, UK, November 8-11, 2010, pp ?-?.
2. Mete Akgün and **M. Ufuk Çağlayan**, "Extending an RFID Security and Privacy Model by Considering Forward Untraceability," *Proc. 6th Workshop on Security and Trust Management (STM 2010)*, LNCS ?????, Springer Verlag, 2010, pp ?-?.
3. Devrim Ünal, Ozan Akar, M. Ufuk Çağlayan, "Model Checking of Location and Mobility Related Security Policy Specifications in Ambient Calculus," *International Conf. MMM-ACNS 2010*, LNCS 6258, pp. 155–168, Springer, 2010

4. Mete Akgün and **M. Ufuk Çağlayan**, “Server Impersonation Attacks and Revisions to SLAP, RFID Lightweight Mutual Authentication Protocol,” *Proc. 5th International Conference on Systems and Networks Communications (ICSNC 2010)*, Nice, France, August 22-27, 2010, pp ?-?.
5. Ş. Bahtiyar, M. Cihan, and **M. U. Çağlayan**, “A Model of Security Information Flow on Entities for Trust Computation,” *Proc. 3rd IEEE International Symposium on Trust, Security and Privacy for Emerging Applications, TSP 2010*, June 29-July 1, 2010, Bradford, UK
6. Ş. Bahtiyar, M. Cihan, and **M. U. Çağlayan**, “Security Information Propagation on Entities for Trust Assessment,” *Proc. 4th IFIP WG 11.11 International Conference on Trust Management, IFIPTM2010*, June 14-18, 2010, Morioka, Iwate, Japan.
7. Mete Akgün, **M. Ufuk Çağlayan** and Emin Anarım, “Secure RFID Authentication with Efficient Key-Lookup,” *Proc. Global Communications Conference, 2009 (GLOBECOM 2009)*, Honolulu, Hawaii, USA, November 30 - December 4, 2009, pp 1-8.
8. Ş. Bahtiyar, M. Cihan, and **M. U. Çağlayan**, “An architectural approach for assessing system trust based on security policy specifications and security mechanisms,” *Proc. 2nd International Conference on Security of Information and Networks, SIN’09*, ACM, 2009, Gazi Magosa, Kuzey Kıbrıs, pp.71–74.
9. Mete Akgün, **M. Ufuk Çağlayan** and Emin Anarım, “A New RFID Authentication Protocol with Resistance to Server Impersonation,” *Proc. 23rd IEEE International Symposium on Parallel and Distributed Processing (IPDPS 2009)*, Rome, Italy, May 23-29, 2009, pp 1-8.
10. Devrim Ünal and **M. Ufuk Çağlayan**, “Formal Specification of Security Policies in Multi Domain Network, Akademik Bilişim 2009.
11. Devrim Ünal, Ufuk Çağlayan, “Çok Etki Alanlı Ağlar için Formel Güvenlik Politikası Betimleme,” Akademik Bilişim, 2008
12. **Mehmet Ufuk Çağlayan**, “Secure Routing in Ad Hoc Networks and Model Checking,” *Proc. Int. Symp. On Security of Information and Networks (SIN 2007)*, May 9-10, 2007, Gazi Magosa, Northern Cyprus (Invited Paper).
13. Devrim Ünal and **M. Ufuk Çağlayan**, “Theorem Proving for Modeling and Conflict Checking of Authorization Policies,” *Proc. 7th Int. Symp. On Computer Networks*, June 18-20, 2006, Istanbul, pp 146-151.
14. Dilek Demirel İşçi, Fatih Alagöz and **M. Ufuk Çağlayan**, “IPSEC over Satellite Links: A New Flow Identification Method,” *Proc. 7th Int. Symp. On Computer Networks*, June 18-20, 2006, Istanbul, pp 140-145.
15. Dilek Demirel İşçi and **Ufuk Çağlayan**, “Hierarchical Group Key Agreement Scheme for Mobile Ad Hoc Networks,” *1. Ulusal Kriptoloji Sempozyumu Bildiriler Kitabı*, 18-20 Kasım 2005, Ankara, pp 177-188.
16. Handan Gül Çalıklı and **Ufuk Çağlayan**, “A Formal Policy Specification Language for an 802.11 WLAN with Enhanced Security Network,” *Proc. 20th Int. Symp. Computer and Information Sciences, LNCS 3733*, Springer-Verlag, 2005, pp 183-192, Oct. 2005. (ISSN 0302-9743, SCI-E)
17. B. Turgut and **M. U. Çağlayan**, “An AAA Based Solution for the Secure Interoperability of 3G and 802.11 Networks,” *New Trends in Computer Networks*, Imperial College Press, 2005, pp 368-383
18. S. Bahtiyar, F. Alagöz, **U. Çağlayan**, “Dördüncü Nesil Kablosuz Ağlar Arasında Karşılıklı Kimlik Doğrulama Uyumluluğu İçin Yeni Bir Çözüm,” *ABG 2005 Ağ ve Bilgi Güvenliği Ulusal Sempozyumu*, Haziran 2005, Istanbul, Turkey. (in Turkish)

19. Junseok Park, Yeonghwan Tscha, Kyoon-Ha Lee, and **Mehmet Ufuk Çağlayan**, "Query Slipping Prevention for Trajectory-Based Matchmaking Service in Wireless Sensor Networks," *Proc. ICC 2005*, Seoul, Korea, May 2005.
20. Levi, E. Çetintaş, M. Aydos, Ç. K. Koç ve **M. U. Çağlayan**, "Relay Attacks on Bluetooth Authentication and Solutions," *Proc. 19th Int. Symp. Computer and Information Sciences, LNCS 3280*, Springer-Verlag, 2004, pp 278-288, Oct. 2004. (ISSN 0302-9743, SCI-E)
21. Nurcan Tezcan, Erdal Cayirci and **M. Ufuk Çağlayan**, "End-to-End Reliable Event Transfer in Wireless Sensor Networks," *Proc. of the IEEE 15th Int. Symp. On Personal, Indoor and Mobile Radio Communications (PIMRC 2004)*, Barcelona, Spain, September 2004.
22. **M. Ufuk Çağlayan**, "e-Türkiye Sürecinde Kütüphaneler," *38. Kütüphane Haftası Bildiriler*, Mart 2002, Ankara, pp 23-35. (in Turkish)
23. Devrim Ünal, **M. Ufuk Çağlayan**, "Heterojen Telsiz Paket Ağlarında Kimlik Doğrulama ve Yetkilendirme Mimarilerinin Modelleme ve Doğrulanması," *19. Bilişim Kurultayı*, Eylül 2002, İstanbul, pp 57-62. (in Turkish)
24. E. Onur, H. Delic, C. Ersoy and **M. U. Çağlayan**, "Measurement-Based Replanning of GSM Cell Capacities Considering Retrials, Redials and Hand-offs," *Proc. IEEE ICC 2002*, New York.
25. I. Demirkol, C. Ersoy, **M. U. Çağlayan** and H. Delic, "Location Area Planning in Cellular Networks," *Proc. IEEE INFOCOM'2001*, Anchorage, Alaska, 2001.
26. S. Aytaç, **M. U. Çağlayan**, "The Total Quality Issues in Turkish E-Government Services," *Proc. 2nd European Conference on E-Commerce, E-COMM-LINE 2001*, Academy of Economic Studies, Bucharest, Romania, September 24-25, 2001, pp 24-27.
27. M. Inanc, **M. U. Çağlayan** and C. Ersoy, "Telsiz ATM Ağlarında Tampon Bellek Kullanımı ile Veri Kaybının Önlenmesi," *18. Bilişim Kurultayı*, İstanbul, Eylül 2001. (in Turkish)
28. E. Onur, H. Delic, C. Ersoy and **M. U. Çağlayan**, "On the Retrial and Redial Phenomena in Cellular Communication Networks," *Proc. of the IEEE WCNC*, Chicago, September 2000.
29. A. Levi and **M. U. Çağlayan**, "An Efficient, Dynamic and Trust Preserving Public Key Infrastructure," *Proc. 2000 IEEE Symposium on Security and Privacy*, Oakland, CA, USA, May 2000, pp 203-214.
30. Mete Yılmaz, **M. Ufuk Çağlayan**, Cem Ersoy, "ATM Tabanlı Ağlarda TCP/IP Performansı (Performance of TCP/IP over ATM Networks)," *Bilişim'99 Bildiriler*, Aralık 15-19, 1999, İstanbul. (in Turkish)
31. B. Gürdağ, C. Özturan, **M. U. Çağlayan**, "Ağ Temelli Ekonomik Çok İşlemcili Bilgisayar Geliştirilmesi (Development of a Network Based, Economical Multicomputer System)," *Bilişim'99 Bildiriler*, Aralık 15-19, 1999, İstanbul. (in Turkish)
32. A. Levi and **M. U. Çağlayan**, "Verification of Classical Certificates via Nested Certificates and Nested Certificate Paths," *Proc. ICCCN99, Eight International Conference on Computer Communications and Networks*, 11–13 October, 1999, Boston, Mass., pp 242–247.
33. Mete Yılmaz, **M. Ufuk Çağlayan**, Cem Ersoy, "TCP/IP Performance over ATM Internetworking Techniques," *Proc. BAS'99, Fourth Symposium on Computer Networks*, 20-21 May 1999, İstanbul, pp 44-52.

34. E. Agayev, B. Gürdağ, C. Özturan, **M. U. Çağlayan**, "Development of a Low-Cost Network Based Multicomputer," *Proc. BAS'99, Fourth Symposium on Computer Networks*, 20-21 May 1999, Istanbul, pp 53-60.
35. Albert Levi, **M. Ufuk Çağlayan**, "Integrity Control in Nested Certificates," *Proc. BAS'99, Fourth Symposium on Computer Networks*, 20-21 May 1999, Istanbul, pp 149-157.
36. Albert Levi, **M. Ufuk Çağlayan**, "NPKI: Nested Certificate Based Public Key Infrastructure," *Proc. Thirteenth International Symposium on Computer and Information Sciences (ISCIS XIII)*, Antalya, October 1998, IOS Press, Concurrent Systems Engineering Series, vol. 53, pp 397-404.
37. Sema F. Oktuğ, Mete Yılmaz, **M. Ufuk Çağlayan**, "An Entropy Based Traffic Heterogeneity Measure for ATM Switches," *Proc. Thirteenth International Symposium on Computer and Information Sciences (ISCIS XIII)*, Antalya, October 1998, pp 420-427.
38. Albert Levi, **M. Ufuk Çağlayan**, "Türkiye için bir Açık Anahtar Altyapısı Modeli," *Bilişim 98, TBD 15. Bilişim Kurultayı*, 2 - 6 Eylül 1998, Istanbul, pp 354-361. (in Turkish)
39. Albert Levi, **M. Ufuk Çağlayan**, "A Multiple Signature Based Certificate Verification Scheme," *Proc. BAS'98 The Third Symposium on Computer Networks*, June 25-26, 1998, İzmir, pp 1-10.
40. Murat Kısacık, Ebru Pakcan, **M. Ufuk Çağlayan**, Cem Ersoy, "Measured Performance of the Ethernet Backbone at Boğaziçi University North Campus," *Proc. BAS'98 The Third Symposium on Computer Networks*, June 25-26, 1998, İzmir, pp 95-106.
41. Erdal Çayırıcı, Tuna Tuğcu, Roy Küçükateş, E. İlker Oyman, Cem Ersoy, **M. Ufuk Çağlayan**, "Dağıtık Muharebe Modelleme Ortamlarında Çoklu Ortam İletişimi," *TSK Modelleme ve Simülasyon Semineri*, 1-3 Nisan 1998, Ankara. (in Turkish)
42. Sema F. Oktuğ, **M. Ufuk Çağlayan**, "Evaluation of the Performance Enhancements for the Plane Interconnected Parallel Network," *Proc. Globecom'97 IEEE Global Telecommunications Conference*, November, 1997, Phoenix, AZ.
43. Albert Levi, **M. Ufuk Çağlayan**, "The Problem of Trusted Third Party in Authentication and Digital Signature Protocols," *Proc. Twelfth International Symposium on Computer and Information Sciences (ISCIS XII)*, Antalya, October 1997, pp 317-324.
44. Albert Levi, **M. Ufuk Çağlayan**, "Elektronik posta güvenliği ve açık anahtar sunucuları," *Bilişim 97, TBD 14. Bilişim Kurultayı*, 3-6 Eylül 1997, Istanbul, pp 114-117. (in Turkish)
45. Ercenk Keresteci, F. Sema Oktuğ, Cem Ersoy, **M. Ufuk Çağlayan**, "Generation and Evaluation of Self Similar Traffic in Computer Networks," *Proc. BAS'97 The Second Symposium on Computer Networks*, June 12-12, 1997, Ankara, pp 91-97.
46. Albert Levi, **M. Ufuk Çağlayan**, "Elektronik posta güvenliği için PGP kullanımı," *Açık Sistem '97, 7. Açık Sistem Sempozyumu*, 19-21 Mart 1997, Istanbul, pp 39-46. (in Turkish)
47. Sema F. Oktuğ, **M. Ufuk Çağlayan**, "ATM Üst Katman Protokolleri," *Açık Sistem 97 Bildiriler Kitabı*, Mart 19-21, 1997, İstanbul, pp 47-50. (in Turkish)
48. **M. U. Çağlayan**, "Beyin, Sinir Sistemi ve Bilgisayar Ağları", Bilgisayar ve Beyin, Nar Yayınları, İstanbul, Mart 1997, pp71-93 (16-17 Ekim 1995'te, İstanbul'da yapılan "Bilgi İşleyen Makine Olarak Beyin" Toplantısı'nda sunuldu). (in Turkish)

49. A. Levi, **M. U. Çağlayan**, "Bilgisayar İletişiminde Kimlik Kanıtlama ve Güvenli Üçüncü Kişi Sorunları," 4. *Bilgisayar-Haberleşme Sempozyumu*, 11-15 Aralık 1996, Bursa, pp 85-88. (in Turkish)
50. Z. Melek, **M. U. Çağlayan**, "Çok İşlemcili Çerçeve Aktarım Anahtarı için Anahtarlama Yazılımı Geliştirilmesi," *Bilişim 96 Bildiriler*, Eylül 1996, pp 258-263. (in Turkish)
51. A. Altınordu, S. Balkır, **M. U. Çağlayan**, "ATM Anahtarlama Elemanı Tasarımı", *Bilişim 96 Bildiriler*, September 1996, pp 272-278. (in Turkish)
52. S. F. Oktuğ, **M. U. Çağlayan**, "A Measure for Switch Traffic Heterogeneity," *Proc. BAS'96 The First Symposium on Computer Networks*, May 30-31, 1996, Istanbul, pp 167-172.
53. **M. U. Çağlayan**, "Internet Üzerinde Ticaret ve Ödeme Yöntemleri," *Açık Sistem 96 Bildiriler Kitabı*, 6-8 Mayıs, 1996, İstanbul, pp 32-33. (in Turkish)
54. S. F. Oktuğ, A. Altınordu, **M. U. Çağlayan**, "A Multistage Self-Routing Interconnection Network for Heterogeneous Traffic Requirements and Its Implementation Aspects," *Proc. ICT'96 Int. Conf. on Telecommunications*, April 13-17, 1996, Istanbul, pp 496-503.
55. S. F. Oktuğ, **M. U. Çağlayan**, "A Multistage Self-Routing Interconnection Network for Heterogeneous Traffic Requirements," *Proc. of the Tenth International Symposium on Computer and Information Sciences (ISCIS X)*, October 30-November 1, 1995 Kuşadası, pp321-328.
56. A. Altınordu, S. Balkır, **M. U. Çağlayan**, "ATM Anahtarlama Elemanı Teknolojileri ve Tasarımı," *Elektrik Mühendisliği 6. Ulusal Kongresi*, Eylül 11-17, 1995, Bursa, pp 720-723. (in Turkish)
57. O. Sinanoğlu, **M. U. Çağlayan**, "Çerçeve Aktarma Anahtarı Arayüzü Tasarımı ve Geliştirilmesi," *Elektrik Mühendisliği 6. Ulusal Kongresi*, Eylül 11-17, 1995, Bursa, pp 716-719. (in Turkish)
58. S. F. Oktuğ, **M. U. Çağlayan**, "ATM Ağ ve Anahtarlarında Trafik Modellemesi", *Bilişim 95 Bildiriler*, Eylül 27-Ekim 1, 1995, Istanbul, pp 73-77 (in Turkish).
59. O. Sinanoğlu, A. Altınordu, **M. U. Çağlayan**, "ISA Veri Yolu İçin Çerçeve İletimi Uçbirim Kartı Tasarımı ve Geliştirilmesi," *Bilişim 95 Bildiriler*, Eylül 27-Ekim 1, 1995, Istanbul, pp 78-82. (in Turkish)
60. S. F. Oktuğ, **M. U. Çağlayan**, "A Traffic Model to Test ATM Switches," *Proc. Ninth International Symposium on Computer and Information Sciences (ISCIS IX)*, November 7-9, 1994 Antalya, pp 353-360.
61. S. F. Oktuğ, **M. U. Çağlayan**, "Banyan Ağı Temelli Paket Anahtarlar ve Tektürel Olmayan Trafik," *Bilişim 94 Bildiriler*, Eylül 1994, pp 14-18. (in Turkish)
62. **M. U. Çağlayan**, "Türkiye'de GOSIP Çalışmaları," *TBD Bilgisayar Ağları ve İletişim Semineri*, April 14-17, 1994, Antalya, pp 32-47. (in Turkish)
63. F. Ertemalp, Y. Ceyhun, **M. U. Çağlayan**, "Türkiye'nin GOSIP Gereksinimi," *Bilişim 93 Bildiriler*, Eylül 1993, pp 154-163. (in Turkish)
64. **M. U. Çağlayan**, "Yerel Bilgisayar Ağları Arası Bağlantılarda Hızlı Paket İletişimi Teknikleri," *Bilişim 93 Bildiriler*, Eylül 1993, pp 13-18. (in Turkish)
65. F. Ertemalp, Y. Ceyhun, **M. U. Çağlayan**, "The Need for a GOSIP," *Proc. Conf. the Future of Electronic Communications*, Moscow, June 1993, pp 29-36.
66. **M. U. Çağlayan**, "Development of a Remote Procedure Call Facility," *Proc. Third International Symposium on Computer and Information Sciences*, October 1988, İzmir, Turkey, pp 624-632.
67. **M. U. Çağlayan**, "A Stochastic Petri Net Simulator," *Proc. Int. Conf. Modeling and Simulation*, June 1988, İstanbul, Turkey, pp 223-234.

68. S. H. Senan, G. Ergün, D. Pearson-Kirk, **M. U. Çağlayan**, "Development of a Highway Inventory System Using Photologging," *Proc. 3rd IRF Middle East Regional Meeting*, February 13-18, 1988, Riyadh, Saudi Arabia, pp 1.327-1.343.
69. S. S Yau, **M. U. Çağlayan**, "Distributed Software System Design Representation Using Modified Petri Nets," *Proc. Symp. on Reliability in Distributed Software and Database Systems*, July 1981, Pittsburgh, Pa., pp 150-167.

Other Papers/Diğer Makaleler

1. Y. Ceyhun, S. Bilgen, F. Ertemalp, **M. U. Çağlayan**, "Devlet Açık Dizgeler Arabağlantısı Kesiti," *TBD Bilişim Dergisi*, Temmuz 1993, pp 70-73. (in Turkish)
2. Y. Ceyhun, **M. U. Çağlayan**, "Ülkemizdeki Bilişim Teknolojileri Araştırma Potansiyeli," *PTT AR-GE Bülteni*, 7, June 1993, pp 73-75 (in Turkish).
3. Y. Ceyhun, **M. U. Çağlayan**, "Ülkemizdeki Bilişim Teknolojileri Araştırma Potansiyeli," *Elektrik Mühendisliği*, 37, 388, 1992, pp 225-227. (in Turkish)
4. Y. Ceyhun, **M. U. Çağlayan**, "Sayısal Ortam ve Hukuk," *Elektrik Mühendisliği*, 37, 387, 1992, pp 171-173. (in Turkish)

Technical Reports/Teknik Raporları

1. **M. Ufuk Çağlayan**, Albert Levi, *Nested Certificates and Their Applications in Public Key Infrastructures*, Research Report, FBE-CMPE-02/98-13, December 1998.
2. Sema F. Oktuğ, Mete Yılmaz, **M. Ufuk Çağlayan**, *An Entropy Based Traffic Heterogeneity Measure for ATM Switches*, Research Report, FBE-CMPE-03/98-14, August 1998.
3. Sema F. Oktuğ, **M. Ufuk Çağlayan**, *A Survey of Banyan Networks and Banyan Network Based Cell Switches*, Research Report, FBE-CMPE-1/97-6, March 1997.
4. **M. Ufuk Çağlayan**, Sema F. Oktuğ, *Design and Performance Evaluation of a Banyan Network Based Interconnection Structure for ATM Switches*, Research Report, FBE-CMPE-6/96-19, Boğaziçi Üniversitesi, Kasım 1996
5. *Comparison of Expert System Shells via Testbeds*, Research Report, FBE-CMPE-04/94-19, Bogaziçi Üniversitesi, 1994 (with U. Özkul, L. Akın, E. Alpaydin and S Kuru)
6. *Integration of the Truckworld with CLIPS*, Research Report, FBE-CMPE-05/94-20, Bogaziçi Üniversitesi, 1994 (with U. Özkul, L. Akın, E. Alpaydin and S Kuru)

Short Course Notes/Seminer ve Kısa Kurs Notları

1. **M. Ufuk Çağlayan**, Cem Ersoy, "Wireless and Mobile Networks", TeleComNet Five-Day Short Course Notes, October 2004, 167pp.
2. **M. Ufuk Çağlayan**, Cem Ersoy, "Computer Network Management and Performance", TeleComNet Five-Day Short Course Notes, October 2004, 167pp.
3. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of TCP/IP Networks", TeleComNet Five-Day Short Course Notes, February 2003, 222pp.
4. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of Telecommunications and Computer Networks II", TeleComNet Five-Day Short Course Notes, January 2003, 222pp.
5. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of Telecommunications and Computer Networks I", TeleComNet Five-Day Short Course Notes, November 2002, 187pp.
6. **M. Ufuk Çağlayan**, Cem Ersoy, "Computer Network Management and Performance", One-Day Short Course Notes, April 2000, 111pp.

7. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of TCP/IP Networks", One-Day Short Course Notes, April 2000, 124pp.
8. **M. Ufuk Çağlayan**, "Security in Electronic Payment Systems", One-Day Short Course Notes, May 2000, 134pp.
9. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of Computer Networks", One-Day Short Course Notes, December 1999, 121pp.
10. Haluk Bingöl, **M. Ufuk Çağlayan**, "Object Oriented Design and Programming", Three-Day Short Course Notes, September 1996, 83pp.
11. **M. Ufuk Çağlayan**, "UNIX Programming", One-Day Short Course Notes, September 1996, 36pp.
12. **M. Ufuk Çağlayan**, Cem Ersoy, "Client/Server Systems and Programming", One-Day Short Course Notes, September 1996, 61pp.
13. **M. Ufuk Çağlayan**, Cem Ersoy, "X.25 and TURPAK", One-Day Short Course Notes, October 1995, 79pp.
14. **M. Ufuk Çağlayan**, Cem Ersoy, "Data Communications", One-Day Short Course Notes, July 1995, 68pp.
15. **M. Ufuk Çağlayan**, Cem Ersoy, "Fundamentals of Computer Networks", One-Day Short Course Notes, July 1995, 68pp.
16. **M. Ufuk Çağlayan**, Cem Ersoy, "UNIX and TCP/IP Security", One-Day Short Course Notes, March 1995.
17. **M. Ufuk Çağlayan**, Cem Ersoy, "TCP/IP Network Administration", One-Day TRUUG Seminar Notes, February 1994 and One-Day Short Course Notes, March 1995, 58pp.
18. Y. Ceyhun, **M. U. Çağlayan**, "Management and Transition to International Environment in Telecommunications Systems", Fourth Int. Forum on Electronic Communication Technologies, Moscow, June 27 - July 1, 1994 Seminar Notes, 66pp.
19. F. Ertemalp, S. Bilgen, Y. Ceyhun, **M. U. Çağlayan**, "Türkiye'nin GOSIP Gereksinimi", One-Day TÜBİTAK Seminar Notes, May 1993, 98pp (in Turkish).

Research Project Reports/Araştırma Projesi Raporları

1. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, Sonuç Raporu", TÜBİTAK-EEEAG-49 Projesi, 30 Haziran 1996, 107pp (in Turkish).
2. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, Sonuç Raporu", Boğaziçi Üniversitesi Araştırma Fonu 93HA0108 Projesi, 31 Aralık 1994, 21pp (in Turkish).
3. "Report on Survey of Evaluation Methods for Real Time AI Tools, V.1.1, Euclid RTP 11.3: Project Mission and/or Battle Simulation", Boğaziçi University, Ocak 1994, 80 pp (with S. KURU and H. L. Akın)
4. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, 4. Gelişme Raporu", TÜBİTAK-EEEAG-49 Projesi, October 1993, 21pp (in Turkish).
5. "Devlet Açık Dizgeler Arabağlantısı Kesiti-DADAK Çalışmaları, Sonuç Raporu", TÜBİTAK-EEEAG, Bilgisayar Ağları Araştırma Ünitesi, BAĞ-1 Projesi, August 1993, 66pp (in Turkish) (with Y. Ceyhun, S. Bilgen and F. Ertemalp).
6. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, 3. Gelişme Raporu", TÜBİTAK-EEEAG-49 Projesi, July 1993, 21pp (in Turkish)
7. "Heterojen Bilgisayar Ağlarında Hızlı Bir Paket Anahtarlama Tekniği Olarak Frame-Relaying", Boğaziçi Üniversitesi Araştırma Fonu 92A0116 Projesi Sonuç Raporu, Haziran 1993, 22pp (in Turkish).
8. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, 2. Gelişme Raporu", TÜBİTAK-EEEAG-49 Projesi, April 1993, 7pp (in Turkish).

9. "Heterojen Bilgisayar Ağlarında Hızlı Paket Anahtarlama Teknikleri, 1. Gelişme Raporu", TÜBİTAK-EEEAG-49 Projesi, January 1993, 8pp (in Turkish).
10. "Kuruluşların Yazılım Şartnameleri, Nitelikleri, Bakım ve Eğitim Standartları Araştırması", Teletaş Report, February 1992, 50 pp, (also in Elektrik Mühendisliği, 37, 387, 1992, pp 171-173) (in Turkish) (with N. Tuğbay and A. E. Harmancı).
11. Development of a Highway Inventory System Using Photologging, Final Report, August 1987 (with S. H. Senan, G. Ergün & D. Pearson-Kirk).
12. SAMIS Computer Network: Evaluation and Enhancements, Final Report, December 1986 (with M. I. Al-Suwaiyel & S. S. Hyder).
13. Development of a Highway Inventory System Using Photologging, Progress Report I, November 1986 (with S. H. Senan, G. Ergün & D. Pearson-Kirk).
14. SAMIS Computer Network: Evaluation and Enhancements, Progress Report III, September 1986 (with M. I. Al-Suwaiyel & S. S. Hyder).
15. SAMIS Computer Network: Evaluation and Enhancements, Progress Report II, April 1986 (with M. I. Al-Suwaiyel & S. S. Hyder).
16. SAMIS Computer Network: Evaluation and Enhancements, Progress Report I, September 1985 (with M. I. Al-Suwaiyel & S. S. Hyder).

Theses/Tezler

1. A Method for the Design, Representation and Analysis of Distributed Software Systems Using Modified Petri Nets, PhD Thesis, August 1981, Northwestern University, Evanston, Illinois.
2. Implementation of a Snobol4 Interpreter, M. S. Thesis, January 1975, Middle East Technical University, Ankara, Turkey.

Last Updated: November 27, 2011