

Mehmet Ufuk Çağlayan
Current and Former MS Students
Last Updated: December 05, 2011

Current MS Students

1. Sezer Akar, Domain-Specific Languages For Defining Software Architectures
2. Hikmet Coşkun Gündüz, Spatial Model_Checker for Ambient Calculus Specifications
3. [Oğuzhan Topgöl](#) ([LinkedIn Page](#)), Secure Software Development Cycle for a Real Time Banking System
4. Emre Yılmaz, Modeling and Analysis of Software Quality

Former MS Students

1. **Ozan Akar**, Model Checking of Ambient Calculus Specifications Against Ambient Logic Formulas, September 2009.
2. **Aykut Demirkol**, Parallel AAA And Mobile IP Registration For High Performance And Scalable Mobile Roaming, January 2009.
3. **Mehmet Akçay**, Verification of BPEL Specifications Using Model Checking, September 2008.
4. **Evren Önem**, Formal Security Analysis of a Secure On-Demand Routing Protocol for Ad Hoc Networks Using Model-Checking, January 2007.
5. **Gamze Yurttutan**, Group Key Management in IEEE 802.15.4 Wireless Networks, September 2006.
6. **Dilek Demirel**, Development of a New Group Key Management Scheme for Mobile Ad Hoc Networks, June 2005.
7. [Handan Gül Çalkılıç](#), A Policy Specification Language for an 802.11 WLAN with Enhanced Security Network, July 2004.
8. **Nurcan Tezcan**, End-to-End Reliable Event Transfer in Wireless Sensor Networks, June 2004.
9. **Erhan Çetintaş**, Relay Attacks on Bluetooth Authentication and Solutions, June 2004.
10. **Engin Deveci**, PERA Location Based Multimedia Services Framework, January 2004.
11. **Betül Turgut**, An AAA Based Solution for Secure Interoperability of 3G and 802.11 Networks, June 2003
12. **İlker Demirkol**, Location Area Planning in Wireless Networks, 2002. (Thesis Co-Advisor, Advisor: Cem Ersoy)
13. **Tamer Demir**, Performance evaluation of mobile applications and services testbed, 2002. (Thesis Co-Advisor, Advisor: Cem Ersoy)
14. [Sevit Ahmet Çamtepe](#), Kerberos Based Security System for Session Initiation Protocol (SIP), June 2001.
15. **Metin İnanç**, Simulation of Local and Global Handoff in Wireless ATM, June 2001. (Thesis Co-Advisor: Cem Ersoy)
16. **Ertan Onur**, Measurement Based Replanning of Cell Capacities in Cellular Wireless Networks, 2001. (Thesis Co-Advisor: Cem Ersoy)
17. **Emre Çelebi**, Performance Evaluation of Wireless Multi-Hop Ad Hoc Network Routing Protocols, 2001. (Thesis Co-Advisor, Advisor: Cem Ersoy)
18. **Çiğdem Çimen**, Design and Implementation of a User Interface Agent for an Open Marketplace, 2000.
19. **Salih Gönüllü**, Video on Demand System over Hybrid ATM-Ethernet Networks, 2000. (Thesis Co-Advisor, Advisor: Cem Ersoy)

20. [Mete Yılmaz](#), Performance Evaluation of TCP/IP over ATM and Native ATM, June 1999. (Thesis Co-Advisor: Cem Ersoy)
21. **Ercenk Keresteci**, Generation and Evaluation of Self-Similar Traffic in Computer Networks, January 1997.
22. **Alper Altınordu**, Design and VLSI Implementation of an ATM Switching Element, August 1996 (Thesis Co-Advisor, Advisor: Sina Balkır).
23. **Oğuz Sinanoğlu**, Development of a Frame Relay Communication Interface, August 1995.
24. **Ata Pank**, Implementation of LPC Based Voice Mailing Box System via DSP 56001, June 1994 (Thesis Co-Advisor, Advisor: Ömer Cerid).
25. **Adnan Can**, Program-to-Program Communication Via Logical Unit (LU) 6.2 Protocol, June 1993.
26. **Nilgün Olcay**, A Cache Independent Benchmark Suite, June 1993.
27. [Albert Levi](#), Development of Frame Relay Software for High Speed Packet Switched Networks, June 1993.
28. **Rasim Mahmutoğulları**, Development of An Interactive Tool for Stochastic Petri Net Simulation, December 1992.
29. [Q. M. Shawkat H. Bhuiyan](#), Development of A Software Tool To Simulate Stochastic Petri Nets, June 1987 (King Fahad University of Petroleum and Minerals, Dhahran, Saudi Arabia).
30. **Khaled W. Al-Dhaher**, Performance Modeling of a Computer System Saudi Arabian Ministry of Interior Online System, June 1987 (King Fahad University of Petroleum and Minerals, Dhahran, Saudi Arabia).