

IBRAHIM ETHEM BAGCI

TOBB University of Economics and Technology
Department of Computer Engineering
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EDUCATION

- TOBB University of Economics and Technology, Ankara, Turkey
M.Sc. in Computer Engineering, 2008 – Now (Full scholarship)
Dissertation Topic: The Impact of Non-repudiation on the Lifetime of Wireless Sensor Networks
GPA: 3.57/4.00 (currently)
- TOBB University of Economics and Technology, Ankara, Turkey
B.Sc. in Computer Engineering, 2004 – 2008 (Full scholarship)
Graduate Design Project Topic: Sensor Network Energy-Load Balancing Through Linear Programming
GPA: 3.15/4.00
 - One semester in Catholic University of Avila, Avila, Spain
(via Erasmus Student Mobility Programme)

WORK EXPERIENCE

- TOBB University of Economics and Technology, Ankara, Turkey
Teaching Assistant – Department of Computer Engineering
2008 – Now
- Internships
 - Infina Software, Istanbul, Turkey
Software Engineering, July 2008 – August 2008
 - ETC-IS, Ankara, Turkey
Software Engineering, May 2007 – August 2007
 - Yakupoglu, Ankara, Turkey
IT Department, January 2006 – April 2006

TEACHING EXPERIENCE

- Fall 2009
 - Java Programming, Teaching Assistant
 - Structured Programming, Teaching Assistant
 - Object-Oriented Design and Programming, Teaching Assistant
- Summer 2009
 - Software Technologies Platform, Teaching Assistant
- Spring 2009
 - Java Programming, Teaching Assistant
- Fall 2008
 - Programming Languages, Teaching Assistant

SKILLS

- **Languages:** Turkish (Native), English (TOEFL IBT score: 88), Spanish (lower intermediate)
- **Computer Languages:** Java, C#, C, SQL, JSP, JavaScript, HTML, XML, ASP.NET
- **Operating Systems:** Windows, Linux

- **Software Experience:** MATLAB, GAMS, NetBeans, Eclipse, Sun SPOT SDK
- **Platforms:** Java SE, .NET

RESEARCH INTERESTS

Information Security, Applied Cryptography, Computer Networks, Wireless Sensor Networks, Linear Programming

PUBLICATIONS

- B. Tavli, M. Kayaalp, O. Ceylan, and **I. E. Bagci**, "Data processing and communication strategies for lifetime optimization in wireless sensor networks," *AEU - International Journal of Electronics and Communications*, 2009 [doi: 10.1016/j.aeue.2009.08.004].
- M. Kayaalp, O. Ceylan, **I. E. Bagci**, and B. Tavli, "Data Processing and Communication Strategies for Lifetime Optimization in Wireless Sensor Networks," in *Proceedings of the IEEE Signal Processing and Applications Conference*, pp. 769-771, 2009.