

Ruken Zilan

Languages

Turkish (Native) English (Advance), Spanish (Intermediate), Catalan(Elementary)

Education

Ph.D.

Department of Computer Architecture, UPC, Barcelona, SPAIN 2007–...
(Universitat Politecnica de Catalunya)

M.Sc.

Department of Computer Engineering, TOBB ETU, Ankara, TURKEY 2005–2007.
(TOBB Economics and Technology University)

M.Sc.

Department of Physics, METU, Ankara, TURKEY 1999–2001.
(Middle East Technical University)

B.Sc.

Physics, Gazi University, Ankara, TURKEY 1993–1997.
(3rd highest degree in the Department)

Employment

Barcelona Supercomputing Center, BSC, Barcelona, Spain
Junior Researcher 01/10/08–01/05/11
Resident PhD student, modeling Processor Architectures

TOBB ETU- Faculty of Engineering Ankara, Turkey
Teaching Assistant 15/9/05–19/06/07
CENG 100 Information Technology, Phys102 Lab, Phys101 Lab.

Prime Ministry, U. Secrt. of Turkish Customs Ankara, Turkey
System Analyser 30/12/04–14/11/05
Usage of .NET for different applications and managing an ORACLE database. Designing and administering the web site of the company and providing technical support.

Ministry of Finance Ankara, Turkey
System Analyser 14/10/03–29/12/04
worked in an E-Government project managed by HAVELSAN. Supported software and hardware maintenance and programming with the experience of ERP technology, while supervising 300 people at 27 end points. Professional management of Database, Internet, IIS servers and web design of the company.

Ruken Zilan

Papers in Computer Science

International Conference/Workshop Proceedings

1. R. Zilan, J. Verdu, J. Garcia Vidal, M. Nemirovsky, R. Milito and M. Valero, An Abstraction Methodology for the Evaluation of Multi-core Multi-threaded Architectures, Proceedings of the 19th IEEE International Symposium on MASCOTS, IEEE Computer Society, pp 478-481, 25-27 July 2011, Singapore.
2. R. Zilan, J. Verdu, J. Garcia, M. Nemirovsky, M. Valero, Internet Traffic and the Behavior of Processing Workloads, in Poster Abstracts Procs. of 5th International Summer School on Advanced Computer Architecture and Compilation for Embedded Systems (ACACES), pp. 269-272, Terrassa, Spain, July 12 - 18, 2009.
3. R. Zilan, J. M. Barcelo-Ordinas, B. Tavli, Image Recognition Traffic Patterns for Wireless Multimedia Sensor Networks, Fourth International Workshop on Wireless and Mobility (EuroFGI), January 16-18, Barcelona, Spain 2008. Wireless Systems and Mobility in Next Generation Internet, Lecture Notes in Computer Science (LNCS) 5122, pp. 49-59, 2008.
4. R. Zilan, Y.M. Erten, Use of Entropy to Control Coverage and Energy Dissipation in Wireless Sensor Networks, Computer and Information Sciences, 2007 (ISCIS 2007). 22nd International Symposium, IEEE Explore, pg: 1-6, METU, Ankara, Turkey, 7-9 November 2007.

International Journals

1. B. Tavli, K. Bicakci, R. Zilan, J. M. Barcelo-Ordinas, A Survey of Visual Sensor Network Platforms, in Multimedia Tools and Applications Journal, pp. 1-38, 2011.
2. M. Guerrero-Zapata, R. Zilan, J. M. Barcelo-Ordinas, K. Bicakci, B. Tavli, TIn the Special Issue "Secure Multimedia Services" in Telecommunications System Journal Springer, 2010.

Presented Posters

1. R. Zilan, J. Verdu, J. Garcia Vidal, M. Nemirovsky, R. Milito and M. Valero, An Abstraction Methodology for the Evaluation of Multi-core Multi-threaded Architectures, MASCOTS'01, 25-27 July 2011, Singapore.
2. R. Zilan, J. Verdu, J. Garcia, M. Nemirovsky, M. Valero, Internet Traffic and the Behavior of Processing Workloads, ACACES'09, July 12 - July 18, 2009, Terrassa, Spain.

Local Proceedings and Technical Reports

1. R. Zilan, J. Verdu, J. Garcia, R. Milito, M. Nemirovsky, M. Valero, Technical Details of An Abstraction Methodology and A Design Tool (Q-MAS) for Design Space Exploration of Multi-core Multi-threaded Architectures, in Technical Reports of High Performance Computing Group: UPC-DAC-RR-CAP-2011-23, August 2011, Barcelona, Spain.
2. R. Zilan, J. Verdu, J. Garcia, R. Milito, M. Nemirovsky, M. Valero, A Fine Grain Queueing Model for Multicore Multithreaded Architectures, in Technical Reports of High Performance Computing Group: UPC-DAC-RR-CAP-2010-11, June 2010, Barcelona, Spain.
3. R. Zilan, J. M. Barcelo-Ordinas, B. Tavli, A Survey of Wireless Multimedia Sensor Network Platforms, in Technical Report: UPC-DAC-RR-XCSD-2008-12, September 2008, Barcelona, Spain.
4. R. Zilan, J. M. Barcelo-Ordinas, B. Tavli, Routing Protocols and Wireless Multimedia Sensor Networks, in Technical Report: UPC-DAC-RR-XCSD-2008-7, June 2008, Barcelona, Spain.

5. R. Zilan, J. M. Barcelo-Ordinas, B. Tavli, Available Mote Platforms for Wireless Image Sensors, in Technical Report: UPC-DAC-RR-XCSD-2008-4, March 2008, Barcelona, Spain.
6. R. Zilan, J. M. Barcelo-Ordinas, B. Tavli, Image Recognition Traffic Patterns for Wireless Multimedia Sensor Networks, in Technical Report: UPC-DAC-RR-XCSD-2008-2, Jan 2008, Barcelona, Spain.
7. R. Zilan and J. M. Barcelo-Ordinas, Object Recognition Basics and Visual Surveillance, in Technical Report: UPC-DAC-RR-XCSD-2008-1, Jan 2008, Barcelona, Spain.
8. R. Zilan, G. Yalcin, A. Battal, Public Key Infrastructure and Digital Signature, inet-tr-06: 11th Internet Conference, TOBB ETU, December 21-23, 2006, Ankara, Turkey.

Papers in Physics

International Journals and Proceedings

1. Ecevit, A., Zilan R., Optimization of The Geometry of The Absorber Plate In Terms of Thermal Performance and Economy, Manufacturing and Testing It With The Commercially Available Flat-Plate Collectors, Energy Journal, (accepted 2001).
2. R. Zilan, A. Ecevit, Energy Policy of Turkey, Sharjah Solar Energy Conference, Incorporating the 7th Arab Conference on Solar Energy and Regional World Renewable Energy Congress, Sharjah, UAE, February 19-22, 2001.

Local Proceedings

1. A. Ecevit, R. Zilan, N. Ozturel, Preliminary Study For Passive Building Heating Potential In Turkey By Using Solar Energy, Ministry of Energy and Natural Resources, January 15-19, 2001, Ankara, Turkey.
2. A. Ecevit, R. Zilan, N. Ozturel, Preliminary Study For Passive Building Heating Potential In Turkey By Using Solar Energy, Renewable Energy Symposium, January 18-20, 2001, Izmir, Turkey.
3. N.Ozturel, R. Zilan, A. Ecevit, Strategy, Planning, Politics to be Followed for Renewable Energy Sources in Turkey and Their Political and Social Impacts, Renewable Energy Symposium, January 18-20, 2001, Izmir, Turkey.

Scholarships

CISCO Scholar, Barcelona Supercomputing Center (BSC),Barcelona-Spain	01/11/08 –01/05/11
Dept. of Computer Engineering TOBB ETU, Ankara–Turkey (Full tuition and monthly scholarship during M.Sc. studies.)	15/09/05–31/07/07
Dept. of Basic English, METU, Ankara-Turkey(Full tuition).	17/09/98–21/06/99

Attended Classes for Foreign Languages

Spanish Courses, MERIT School, UPC, Barcelona, ES	05/10/10–21/12/10
Intensive Catalan Courses for Beginners,UPC, Barcelona, ES	17/09/07–11/10/07
METU Prep. School, Department of Basic English,METU, Ankara, TR	17/09/98–21/06/99
Conversation Program, Eng. Conv. Prog.,Iowa State Univ. Ames,IA, USA	15/08/02–15/01/03
Conversation Program, I.S.M. Visitor Scientist Conv. Prog., Ames,IA, USA	15/08/02–03/02/03
T.O.E.F.L class, Help Int. Students; T.O.E.F.L class, Ames, IA, USA	15/08/02–18/01/03

Computer Qualifications

Languages: HTML, Javascript, Php, ASP, Apache Server, .NET CSharp, Delphi, Java, C++, XML, C, Q-basic, Fortran, SQL.

Databases: MS SQL, ORACLE.

Operating Systems: DOS, Unix, Linux, Microsoft Windows (All versions), TinyOS.

Package Programs: OPNET, JMT, Etherial, Latex, Gnuplot, Crystal Report, MATLAB, Adobe Photoshop Pro 7, Microsoft Frontpage, Macromedia Dreamweaver MX 2004, MS Office, MS Windows NT 2000 Servers, MS SQL SERVER 2000, MS ISA 2000, 2004 Servers, MS Virtual PC 2004.

Projects

Participated in a CISCO Systems and BSC Collaboration project on modeling processors, 2 FP7 Projects, an ERP Governmental project, a Socket programming project, a Broken-Bone Detection Program, a Student Registration Program.

Some of the Certifications

Certifications from Universities

Information Technology Certification , SEM, METU, Ankara	13/09/03-18/07/04
Pedagogic Formation (Teaching Certification) Gazi University, Faculty of Education, Ankara	09/12/96-27/06/97

Certifications from Companies

ORACLE-Ankara

Oracle9i Database Administration Fundamentals I,	11/07/05-15/07/05
Oracle9i Database Administration Fundamentals II,	25/07/05-29/07/05
Oracle9i Database Fundamentals for Developers,	01/08/05-02/08/05

Bilginc IT Academy - Microsoft Gold Partner-Ankara

2310:ASP.NET,	25/04/05-29/04/05
2349:.NET FRAMEWORK,	09/05/05-13/05/05
2389:ADO.NET,	23/05/05-27/05/05
2524:XML WEB SERVICES,	06/07/05-10/06/05
2534:DEVELOPING XML WEB SERVICES,	06/07/05-10/06/05

INFOPARK - Microsoft Gold Partner-Ankara

2072:Admin.MS SQL Server2000 Database,	09/12/04-15/12/04
2071:Querying MS SQL Server 2000 with Transaction-SQL,	07/12/04-08/12/04
High Level Web Design,	22/11/04-01/12/04

Memberships

IEEE Member, HiPEAC, Member of CompNET Research Group at UPC DAC between 2007-2008. Affection Society, Middle East Technical University, 1999-2001.

Characteristic Features

Researcher, responsible, good at observing details, solution provider, creative, proactive, innovative, good organization skills.

Interests

Multithreaded processors' performance, Modeling architectures, Processor Architectures, Networks, Wireless Multimedia Sensor Networks, Wireless Sensor Networks, Computer Vision, High-Tech, Renewable Energy Resources.

Hobbies

Photography, cycling, swimming, etymology, movies, reading, writing, and puzzles.