



Ali Yazıcı, Ph.D.
Professor of Software Engineering
Atılım University
Department of Software Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
ali.yazici@atilim.edu.tr
Tel: +90 312 586 8379

PERSONAL

Date of Birth	14 May 1950
Place of Birth	Ankara

EDUCATION

1974-1983	Waterloo University, Computer Science, Ph.D.
1972-1974	Middle East Technical University, Mathematics, M.S.
1968-1972	Middle East Technical University, Numerical Analysis and Applied Mathematics, B.S.

ACADEMIC POSITIONS

09/2008	Chairperson and Professor, Department of Software Engineering, Atılım University, Turkey
06/2004-06/2008	Chairperson and Professor, Department of Computer Engineering, TOBB Economy & Technology University, Turkey

ADMINISTRATIVE DUTIES

10/2008	Chairperson, Atılım University
08/2004-06/2008	Chairperson, TOBB Economy & Technology University

HONORS&AWARDS

1	IBM Shared University Research (SUR) Award 2011, "Developing a network security service management training environment"
2	Turkish Educational Research Association (EAB) 2011 "Lifelong learning and Informal Education" Project Award (1st. place)
3	IBM Shared University Research (SUR) Award 2009, "Design of a Software Laboratory for the Dissemination of Software Products for ITSM"

RESEARCH INTERESTS

1	Parallel and Distributed Computing
2	Big Data
3	Database Management Systems
4	Software Engineering

PUBLICATIONS

1	Fatima Nur Colakoglu, Ali Yazici , Alok Mishra, “ Software Product Quality Metrics: A Systematic Mapping Study ”, IEEE Access, Vol. 9, pp. 44647-44670, 2021.
2	Hakan Bayındır, Besim Baranoglu, Ali Yazici , “ An adaptive element-division algorithm for accurate evaluation of singular and near singular integrals in 3D ”, Turkish Journal of Electrical Engineering & Computer Sciences, Vol. 29, No:2, March 2021, pp.1187-1206, DOI: 10.3906/elk-1911-57.
3	Ali Yazici, Alok Mishra, & Ziya Karakaya, “Teaching Parallel Computing Concepts Using Real-Life Applications”, Int. J. of Engineering Education, Vol. 32 No.2(A), pp.772-781, 2016.
4	Vahid Garousi, Ahmet Coşkunçay , Onur Demirors, & Ali Yazici , “Cross-factor analysis of software engineering practices versus practitioner demographics: an exploratory study in Turkey”, The Journal of Systems & Software, Vol.111, pp.49-73, Jan 2016, ISSN:0164-1212, doi:10.1016/j.jss.2015.09.013
5	Alok Mishra, Ali Yazici & Semih Çetin, “Software Evolution in Turkey”, Technical Gazette, Vol. 23, No:3, pp.929-935, 2016
6	T. Hacaloğlu, A. A. Okan & A. Yazici, “Study on Cloud Computing Perception of Turkish IT Sector”, Technical Gazette, Vol. 23, No:1, pp.1-10, 2016
7	A. Yazici, A. Mishra & P. Kontogiorgis, “IT Service Management (ITSM) Education & Research: Global View”, Int. J. of Engineering Education, pp.Vol.31, No:4, pp.1071-1080, 2015
8	Z. Karakaya, B. Baranoglu, B. Cetin, & A. Yazici, “A parallel boundary element formulation for tracking multiple particle trajectories in Stoke's flow for microfluidic applications” CMES: Computer Modeling in Engineering & Sciences, Vol. 104, No:3, pp.227-249, 2015
9	M. Koyuncu, F.Y. Ikiat, G. C. Icoz, B. Baranoglu, & A. Yazici, “Implementation of a parallel dual reciprocity boundary element method for the solution of coupled thermoelasticity and thermoviscoelasticity problems”, CMES-Computer Modeling in Engineering & Sciences, Vol.84, No:1, pp.1-14, 2012
10	A. Mishra, A. Yazıcı & D. Mishra, “Green Information Technology/ Information System Education: Curriculum Views“, TTEM – Technics Technologies Education Management, Vol.12, No:2, pp.679-686, 2012
1	A. Mishra, & A. Yazici, “An Assessment of the Software Engineering Curriculum in Turkish Universities: IEEE/ACM Guidelines Perspective”, Croatian Journal of Education, Vol.13, No:1, pp.188-219, 2011
12	A. Mishra, I. Akman & A. Yazici, “Organizational Software Piracy: An Empirical Assessment”, J. of BIT (Journal of Behaviour and Information Technology), Taylor & Francis Publications, Vol. 26, No:5, pp.437-444, 2007.
13	A. Yazici & Z. Karakaya, “Normalizing Database Schemas using Mathematica”, Computational Science - ICCS 2006, 6th International

	Conference, Reading, UK, May 28-31, Proceedings, Part II, LNCS 3992, Eds. Vassil N. Alexandrov, G. Dick van Albada, Peter M. A. Sloot, Jack Dongarra, pp.375-382, ISBN:3-540-34381-4, 2006
14	A. Mishra, I. Akman, & A. Yazici, "Software Piracy among IT Professionals in Organizations", IJIM (International Journal of Information Management), Vol.26, No:5, pp.401-413, 2006.
15	A. Yazici, I. Altas, & T. Ergenç, "2d Polynomial Interpolation: A Symbolic Approach with Mathematica", Proceedings, Int. Conf. on Computational Science & its Applications- ICCSA 2005, Lecture Notes in Computer Science (LNCS), Eds. O. Gervasi et al., Springer-Verlag, Vol. 3482, pp.463-471, 2005.
16	İ. Akman, A. Yazici, A. Mishra, & A. Arifoğlu, "E-Government: A Global View and an Empirical Study of Some Attributes of Citizens", Government Information Quarterly, Elsevier Inc, Vol. 22, Issue 2, pp.239-257, 2005. (In Top25 hottest articles (ranked 5) within the Journal for the period October-December 2005)
17	A. Yazici, I. Altas, & T. Ergenç, "Symbolic Polynomial Interpolation using Mathematica", Proceedings, Computational Science - ICCS 2004, Lecture Notes in Computer Science (LNCS), Eds. Sloot, P.M.A. et al., Springer-Verlag, Vol. 3039, Part IV, pp.364-369, 2004.
18	S. Soyupak, F. Karaer, H. Gürbüz, E. Kivrak, E. Sentürk & A. Yazici, "A Neural Network Based Approach for Calculating Dissolved Oxygen Profiles in Reservoirs", Neural Computing & Applications, Vol:12; No:3-4; pp.166-172, Dec. 2003.
19	A. Yazici, T. Ergenç, & I. Altas, "Romberg Integration: A Symbolic Approach with Mathematica", Proceedings, Computational Science – ICCS 2003, Lecture Notes in Computer Science (LNCS), Eds. Sloot, P.M.A. et al., Springer-Verlag, Vol. 2657, pp.691-700, 2003.
20	A. E. Al-Ayyoub & A. Yazici, "InPars: An Intelligent Parallelization System", Advances in Engineering Software, UK, Vol. 30, No.2, pp.93-101, 1999.
21	A. E. Al-Ayyoub & A. Yazici, "On the Lambda Test", Kuwait Journal of Science and Engineering, Topical Issue, Vol.1, pp.71-78, 1996.
22	I. A. Eltayeb, & A. Yazici, "The Influence of the Electrical Conductivity of the Boundary on the Stability of a Hydromagnetic-Rotating Benard Layer", Journal of Geophysical and Astrophysical Fluid Dynamics, Vol.41, No:3-4, pp.213-231, 1988.
23	R. B. Simpson & A. Yazici, "An Organization of the Extrapolation Method of Multidimensional Quadrature for Vector Processing", Parallel Computing, North Holland, Vol.4, No:2, pp.175-188, April 1987.
24	A. Yazıcı, Ç. Turhan, C. Fügen Selbes & G. Kalem, C Programming Problem Book, Atılım Publications-54 (Atılım Yayınları-54), 2016, ISBN:978-975-6707-50-0.
25	A. Yazıcı, E. Dođdu, A. M. Özbayođlu, Y. M. Erten ve O. Ergin, JAVA: Bilgisayar Programlamaya Giriş, 2. Baskı, Palme Yayınları, 2010 (First edition: 2008)
26	A.Yazıcı, M. Erten, E. Dođdu ve A. Üstün, Bilişim Teknolojileri: ECDL ve

	Microsoft Office 2003, TOBB-ETÜ Yayınları No:1, Ekim 2005, ISBN:975-9116-01-4.
27	A. Yazıcı & A. Şekihanov, Oracle 8i: A Practical Guide to SQL, PL/SQL, and Developer 6, Atilim Publications (Atilim Yayınları), 2001, ISBN: 975-6707-02-X.
28	İ. Akman & A. Yazıcı, FORTRAN 77 Problem Book with Solutions (in Turkish), METU Publications, 1995.
29	A. Yazıcı & C. F.Selbes, Numerical Analysis: A Computational Approach, METU Publications, 1991.
30	K.H. Rosen, Ayrık Matematik ve Uygulamaları, 7. Baskıdan Çeviri, Çeviri Editörleri: Ö. Akın ve M. Özbayoğlu, A. Yazıcı: Chapter Author, Palme Yayıncılık, 2015.
31	Book Chapter: Ed. Rifat Çölkesen, (Bölüm 10: A. Yazıcı, Veritabanı Yönetimi ve SQL)., Bilgisayar Mühendisliğine Giriş, Papatya Publications, Ekim 2007, ISBN: 978-975-6797-77-8.

PROJECTS

1	Researcher: Yüksek alan İndirgemeli İleri Akıtma İşleminin Sınır Eleman Yöntemi, Çözüm Bölgesi Parçalama ve Paralel Programlama ile Çözümü , 3, TÜBİTAK 1001, (2015)
2	Consultant as Key Policy Expert: Lifelong Learning Project (EU and Ministry of National Education), November 2011 – September 2013
3	Researcher in State Planning Office (DPT) National Open Courseware Project. 2010-2012
4	Individual Expert for a multinational project in Online Curriculum Development. Project title: Open Learning Models & Technologies (OLMT), Tempus MEDA 2003 Joint European Commission Project, 2005.
5	BDDK Consultant to supervise projects (uzmanlık tezi danışmanlığı), May 2003- Feb 2004.
6	A Joint Project Consultant and researcher: The Perez-Guerrero Trust Fund for Economic and Technical Cooperation Amongst Developing Countries. Title of project: Distributed Modelling of Pipe Networks, 2002.

CONFERENCE PRESENTATIONS

1	A. H. Rashed, Z. Karakaya & A. Yazici, “Big data on cloud for government agencies: benefits, challenges, and solutions”, Proceedings of the 19th Annual International Conference on Digital Government Research: Governance in the Data Age, ACM, 2018.
2	Z. Karakaya, A. Yazici & M. Alayyoub, “A Comparison of Stream Processing Frameworks”, Proceedings of International Conference on Computers & Applications ICCA 2017, IEEE, pp.1-12, Dubai, UAE, ISBN: 978-1-5386-2752-5 XPLORE, 6-7 Sept 2017.
3	M. Alayyoub, A. Yazici & Z. Karakaya, “Systematic Mapping for Big Data Stream Processing Frameworks”, Proceedings of ICDIM 2016, pp.31-36, Porto, Portugal, 20-22 Sept, 2016.
4	A. H. Işık, A. Alaybeyoğlu & A. Yazıcı, “Türkiye’deki Üniversitelerde Bilgisayar ve Yazılım Mühendisliği Eğitimi ile ilgili bir Durum Çalışması”, Proceedings of UBMK 2016, pp. 129-137, Tekirdağ, ISBN: 978-605-86904-5-5, 20-23 Oct, 2016.

5	C. Gökhan, Z. Karakaya & A. Yazici, "Systematic Mapping Study on Performance Scalability in Big Data on Cloud Using VM and Container", Vol.475 of the IFIP Advances in Information and Communication Technology Series: Artificial Intelligence Applications and Innovations, A Springer Series in Computer Science, DOI: 10.1007/978-3-319-44944-9_56 , pp.634-641, 2016.
6	A. Yazıcı & H. Gökahmetoğlu, "Sorting Algorithms with CUDA: An Empirical Study" Proceedings of International Conference on Advanced Technology & Sciences (ICAT'15), pp.16-20, Antalya, 4-7 Aug, 2015.
7	A. Yazıcı & A. Ayas, "Lifelong Learning (LLL): A Roadmap for Developing Countries", Proceedings of eAge 2014, 10-11 December 2014, Oman, pp.40-47.
8	A. Sezen, A. Bostan & A. Yazici, "Security Issues of Cloud Computing and Alternative approaches", ICAT'14 Proceedings of the International Conference on Advanced Technology & Sciences, pp.409-413, Antalya, Turkey, August 12-15, 2014.
9	A. Yazıcı, "Stability and Sensitivity of Certain Computational Methods: A Symbolic-Numeric Treatment with Mathematica", Electronic Proceedings of SYNASC 2010, Timisoara, Romania, 23-26 September 2010.
10	F.C.Serçe, A.Yazıcı, Ç.Turhan & İ.Cereci, "Analysis and Design of Open Courseware Search Engine with Automatic Curriculum Development", Proceedings of MEUK 2010 (International Conference on Engineering Education), pp.71-76, Antalya, Turkey, 4-6 November 2010.
11	A. Yazıcı, "Teaching and Research on E-Government", Proceeding of ICEGEG 2010, Antalya, Turkey, 11-12 March, 2010.
12	A. Yazıcı, "The romberg-like parallel numerical integration on a cluster system", Proceedings of the International Symposium on Computer and Information Sciences ISCIS 2009, KKTC, pp. 686-691, 14-16 September 2009.
13	D. Mishra, A. Yazıcı & B. Başaran, "A Casestudy of Data Models in Data Warehousing", Proceedings of the First IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2008), pp. 258-263, Ostrava, Czech Republic, 4-6 August 2008.
14	D. Mishra, A. Mishra & A. Yazıcı, "Successful Requirement Elicitation by Combining Requirement Engineering Techniques", Proceedings of the First IEEE International Conference on the Applications of Digital Information and Web Technologies (ICADIWT 2008), pp. 314-319, Ostrava, Czech Republic, 4-6 August 2008.
15	A. Yazıcı, A. Ekrem Özkul & Kürşat Çağıltay, "Open Courseware Initiative in Turkey", Proceedings of 2nd International Future-Learning Conference On Innovations in Learning for the Future 2008:e-Learning, pp. 489-494, ISBN:978-975-404-819-3, İstanbul, Turkey, 27-29 March 2008.
16	A. Yazıcı & Z. Karakaya, "JMathNorm: A Database Normalization Tool using Mathematica", Proceedings, Computational Science - ICCS 2007, Lecture Notes in Computer Science (LNCS), Eds. Shi, Y., van Albada, D., Slot,

	P.M.A, and Dongarra, J., Springer-Verlag, Vol.4488, pp., 185-192, 2007.
17	İ. Altaş & A. Yazıcı, "Symbolic Treatment of Finite Difference Formulae using Mathematica", Proceedings (on CD) of 3rd International Conference on the Teaching of Mathematics at the Undergraduate Level (ICTM3), İstanbul, June 30-July 5, 2006.
18	A. Yazıcı, Z. Karakaya, I. Altas & B. Dalgarno, "Changing Our Educational Institutions: Transition From Traditional to E-Learning Programs", Submitted to ITHET 2004, 5.th Int. Conf. on Information Technology Based Higher Education and Training, Boğaziçi University, Istanbul, Turkey, May 31- Jun 2 2004.
19	İ. Akman, A. Yazıcı & A. Arifoğlu, "e-Government: A Profile of Turkey", Proceedings of the 2nd European Conference on e-Government, pp.27-39, Oxford, England, ISBN: 0-9540488-7-3, 1-3 October 2002.
20	A. Yazıcı, T. Ergenç & Y. Akyıldız, "Using Mathematica in Teaching Romberg Integration", Proceedings of the 2nd. International Conference on the Teaching of Mathematics at the Undergraduate Level (ICTM2), Hersonissos, Crete, Greece, July 1-6, 2002.
21	A. Yazıcı, I. Altas, J. Louis, 2002, "An Analysis of a Web Forum in Distance and Face To Face Teaching of a First Year Mathematics Subject", 2nd International Conference on the Teaching of Mathematics at the Undergraduate Level (ICTM2), Hersonissos, Crete, Greece, July 1-6, 2002.
22	A. Yazıcı, İ. Altaş & D. Lindley, "Networked Learning in Developing Countries: Charles Sturt University Model", Proceedings of Networked Learning in a Global Environment (NL'2002), Challenges and Solutions for Virtual Education, Technical University of Berlin, ICSC Academic Press, Canada/The Netherlands, Germany, May 1-4, 2002.
23	S.Soyupak, A.F.Çilesiz, N.Akbay & A. Yazıcı "A Neural Network Based Model for Estimating Dissolved Oxygen in a Very Large and Deep Reservoir", Proceedings of the International Symposium on Computer and Information Sciences (ISCIS 16), Antalya, Turkey, 2001.
24	A. Yazıcı & A.E.Al-Ayyoub, "Improved dependence Information for Auto Loop Parallelization", Proceedings of the International Symposium on Computer and Information Sciences (ISCIS 16), November 2001, Antalya, Turkey.
25	A. Yazıcı & İrfan Altaş, "Web Based Distance Education in Developing Countries", Proceedings of the International Symposium on Computer and Information Sciences (ISCIS 14), Kuşadası, Turkey, pp.532-539, 1999.
26	A. Yazıcı & A.E.Al-Ayyoub, "Statement Substitution for Parallelizing Compilers", Proceedings of the International Symposium on Computer and Information Sciences (ISCIS 10) , pp.675-683, İzmir, 1995.
27	A. Yazıcı, "Parallel Romberg Extrapolation on a Transputer System", Proceedings of the International Symposium on Computer and Information Sciences (ISCIS 9), Antalya, 1994.
28	A.E.Al-Ayyoub & A. Yazıcı, "Knowledge Based Program Parallelization", Wessex Institute of Technology, Applications of Supercomputers in Engineering III, Ed. By C. A.Brebbia & H. Power, Computational Mechanics

	Publications, Bath, UK, pp.63-78, ISBN: 1-85312-236-X, 1993.
29	A. Yazıcı & T.Terzioğlu, "A Comparison of Data Dependence Analysis Tests", Proceedings of the International Conference on Parallel Computing and Transputer Applications (PACTA'92), IOS Publications, pp.575-583, 1992.
30	A. Yazıcı & A.E.Al-Ayyoub, "An Organization of the Interpolation Problem for Vector Processing", Parallel Processing in Engineering Applications, Ed. by R.A.Adey, Computational Mechanics Publications, Springer-Verlag, pp.171-182, 1990.
31	A. Yazıcı & Ö. Özgü, "A Parallel Algorithm Organization for the Extrapolation Method of Quadrature", Proceedings of the 5th International Symposium on Computers and Information Sciences (ISCIS 5), 1990.
32	A. Yazıcı, "Some Comments on the Choice of a Programming Language as a Part of Computer Science Education", Proceedings of the Third Int. Symposium on Computers and Information Sciences, Nova Science Publishers, pp.147-156, 1989.
33	A. Yazıcı, "An Organization of the Extrapolation Method of Integration for Multiprocessing", Proceedings of the International Numerical Analysis Symposium, METU, pp.305-312, 1987.
34	A. Yazıcı, "Pipelined Processor Architectures", Proceedings of the Conference on Computer Science & Informatics, Yarmouk University, Jordan, 1986.
35	M.Aral & A.Yazıcı, "Finite Element Solution of Problems with Unknown and Moving Boundaries", RCA Technical Notes, Proceedings of the International Conference on Finite Element in Engineering, The University of New South Wales, Unisearch Ltd, Kensington, NSW, Australia pp.719-727, 28-30 August, 1974.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	168
H-index (ISI Web of Science):	8

COURSES GIVEN

1	Software Engineering (MS/PhD)
2	Project Orientation (BS)
3	C Programming (BS)
4	Parallel Computing (MS, BS)
5	Foundations of ITSM (MS)
6	Advanced Databases (MS)
7	Database Management Systems (BS)

8	Programming Languages (MS)
---	----------------------------

THESES SUPERVISED

1	<i>MS Thesis (Co-Sup) Fatih Demir, Generating ClassDdiagrams From Software Requirements in Turkish Using Natural Language Processing, 2021</i>
2	<i>MS Thesis, M. Sufyan Malik, Use of Optimization Techniques for Health Prediction, 2020</i>
3	<i>PhD Thesis, H. Bayındır, Development of a parallel dual reciprocity BEM code for the solution of metal extrusion problems, 2017</i>
4	<i>PhD Thesis (Co-Sup), Z. Karakaya, Design and implementation of a parallel boundary element method solution for 3D particle flow problems in microchannels, 2015</i>
5	<i>MS Thesis, Souad Rashd, A Comparison of SQL and NoSQL databases, 2018</i>
6	<i>MS Thesis, (Co-Sup) Abakar Adoum Choukou, Agile software development methodologies, 2018</i>
7	<i>MS Thesis, Nouryah Omar Salim Elsteel, The obstacles facing the implementation of E-Government services: An empirical study for Libya, 2017</i>
8	<i>MS Thesis, (Co-Sup) Llahm Alfaraj, Observations on evolution of lean software development, 2017</i>
9	<i>MS Thesis, (Co-Sup) Ala hussaid Rasdhed, Benefits and challenges of big data on cloud for SME's and government agencies, 2018</i>
10	<i>MS Thesis, Sevgi Genç, The underlying reasons of the emotional design effect in multimedia learning: an eye tracking study, 2017</i>
11	<i>MS Thesis, Ali Arsan Ali Mohammed, A comparative study of Hadoop and Spark frameworks, 2017</i>
12	<i>MS Thesis, Mohammed Al-Ayyoub, A comparative study of Big Data Stream Processing frameworks: Spark, Storm, and FLink, 2017</i>
13	<i>MS Thesis, (Co-Sup) Cansu Gökhan, Scalability issues in big data, 2017</i>
14	<i>MS Thesis, Hakan Gökahmetoğlu, A Study of parallel sorting algorithms using CUDA and OpenMP, 2015</i>
16	<i>MS Thesis, Arda Sezen, Cloud Computing security issues & selection of deployment model & service model according to security requirements, 2015</i>
17	<i>MS Thesis, Gökçen Tonbul, Evaluating the complexity of business process metrics, 2011</i>
18	<i>MS Thesis, Alpaslan Kılıçkaya, "A Database Management tool for Oracle and performance analysis, 2008</i>
19	<i>MS Thesis, Anıl Üstün, Mobile-government in Turkey: Investigating critical success factors, drivers and barriers, 2007</i>
20	<i>MBA, Murat gürkan, Müşteri ilişkileri yönetiminde veri madenciliği, 2002</i>
21	<i>MBA, Mustafa Yağcıoğlu, Küçük ve ortaboy işletmelerde yönetim sorunlarının değerlendirilmesi ve bir örnek KOBİ'de yönetim enformasyon sistemine geçiş çelişmeleri, 2000</i>
22	<i>MBA, Yusuf Uzun, Bilişim teknolojilerinde 2000 yılı problemi ve çözüm stratejileri, 1999</i>
23	<i>MBA, Alper Üngör, Exchange rate forecasting: Box-Jenkins method vs. neural networks, 1998</i>
24	<i>MBA, Burç Şimşek, Genetik programlamanın bir işletme öngörü tekniği olarak kullanımı ve uygulaması, 1997</i>
25	<i>MBA, Hakan Özerol, An expert system for investment analysis, 1995</i>