



**Bilge Say, Ph.D.**

Atılım University  
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**EDUCATION**

1993-1998	Bilkent University, Turkey, Department of Computer Engineering, Ph.D.
1990-1991	Oxford University, UK, Computation, M.S.
1986-1990	Middle East Technical University, Turkey, Department of Computer Engineering, B.S.

**ACADEMIC POSITIONS**

10/2017- to date	Faculty Member, Department of Software Engineering, Atılım University, Turkey
09/2016 – 02/2016	Part Time Instructor, THK University and Ankara Social Sciences University (ASBU), Turkey
04/2015-07/2016	Faculty Member, Department of Digital Game Design, Ipek University, Turkey
10/1998-9/2010	Faculty Member, Department of Cognitive Science, Informatics Institute Middle East Technical University, Turkey

**ADMINISTRATIVE DUTIES**

03/2020- to date	Assistant Dean, Faculty of Engineering, Atılım University, Turkey
10/2011-04/2015	Coordinator, Organizational Planning and Development Office, Middle East Technical University, Turkey
09/2010-10/2011	Vice Director, Continuing Education Center, Middle East Technical University

**RESEARCH INTERESTS**

1	Cognitive and Empirical Approaches to Software Engineering
2	Cognitive Modeling
3	Computational Linguistics

## PUBLICATIONS

1	Sözen, N., Say, B., & Kılıç, Ö. (2020) An experimental study towards investigating the effect of working memory capacity on complex diagram understandability. TEM Journal. 9(4), 1384-1395. doi:10.18421/TEM94-09
2	Akdur, D, Say, B.& Demirörs, O. (2020) Modeling cultures of the embedded software industry: feedback from the field. Software and Systems Modeling. <a href="https://doi.org/10.1007/s10270-020-00810-9">https://doi.org/10.1007/s10270-020-00810-9</a> .
3	Çak, S., Say, B. & Misirlisoy, M. (2020) Effects of working memory, attention, and expertise on pilots' situation awareness. Cognition Technology and Work 22, 85–94. <a href="https://doi.org/10.1007/s10111-019-00551-w">https://doi.org/10.1007/s10111-019-00551-w</a>
4	Bayındır, Mustafa, Bolger, Fergus, Say Bilge (2017): An Investigation of the Role of Some Person and Situation Variables in Multiple Cue Probability Learning, The Quarterly Journal of Experimental Psychology, 70(1), 36-52, DOI: 10.1080/17470218.2015.1118518
5	Kılıç Özkan, Say Bilge, Demirörs Onur. (2011) An Experimental Study on the Cognitive Characteristics of Modeling Notations. Advances in Dynamic and Static Media for Interactive Systems: Communicability, Computer Science and Design. Blue Herons. Ficarra et al. (eds). 2011. pp.145-155. ISBN: 978-8896741081.
6	Oflazer Kemal, Say Bilge, Hakkani Tür Dilek, Tür Gökhan (2003). Building a Turkish Treebank. Treebanks: Building and Exploiting Syntactically Annotated Corpora. Abbeille, A. (ed). pp. 261-276. Kluwer Academic Publishers
7	Say Bilge, Akman Varol (1996). Current Approaches to Punctuation in Computational Linguistics. Computers and the Humanities, 30(6), 457-469. DOI: 10.1007/BF00057941

## PROJECTS

1	An Investigation of Pilots' Eye Movements in Measuring Situation Awareness. BAP Project No: BAP-08-11-2010-R-08, Researcher, 2010-2011, Middle East Technical University, Turkey
2	Investigating the Cognitive Mechanisms of Situation Awareness. BAP Project No: BAP-07-04-2009-06. Coordinator. 2009-2010, Middle East Technical University, Turkey
3	METU Turkish Corpus Project, BAP Project No: AFP-99-06-04-02, Coordinator. 1999-2002, Middle East Technical University, Turkey
4	Forming a Morphologically and Syntactically Annotated Treebank for Turkish, TÜBİTAK Proje No: EEEAG-199E026, Coordinator. 1999-2003. Middle East Technical University, Turkey

## CONFERENCE PRESENTATIONS

1	Deniz Akdur, Onur Demirörs and Bilge Say (2018). Towards Modeling Patterns for Embedded Software Industry: Feedback from the Field. SEAA 2018 : EUROMICRO Conference on Software Engineering and Advanced Applications, Prague, Czech Republic. 8498197; pp.132-136
2	Bilge Say (2016), Interdisciplinarity as an Indicator of Diversity in a Corpus of Artificial Intelligence Research Articles., Proceedings of the International Workshop on Diversity-Aware Artificial Intelligence in European Conference on Artificial Intelligence (ECAI), Den Haag, pp. 40-44
3	Özcan Orkan, Çakır Murat Perit, Say Bilge (2013). Exploring the Effects of Working Memory Capacity, Attention, and Expertise on Situation Awareness. Proceedings of the 17th International Symposium on Aviation Psychology, 98-103. Dayton, Ohio, ABD. Mayıs 2013.
4	Bayındır Mustafa, Bolger Fergus, Say Bilge (2012). The relative contributions of individual differences in working-memory capacity and presentation mode

	on multiple-cue probability learning. International Conference on Thinking 2012 (ICT 2012). Londra, İngiltere, 4-6 Temmuz 2012
5	Çak Serkan, Mısırlısoy Mine, Say Bilge (2012). Bir Pilot Örneğinde Bireysel Farklılıkların Durumsal Farkındalık Üzerine Etkilerinin Göz Hareketleri Kullanılarak Araştırılması. 17. Ulusal Psikoloji Kongresi (PSİKON2012) İstanbul. 25-28 Nisan 2012.
6	Say Bilge (2007). Evaluation of Cognitive Architectures: A Software Evaluation Perspective. Proceedings of 22nd Association of the Advancement of Artificial Intelligence (AAAI) 2007 Workshop: Evaluating Architectures for Intelligence. (Technical Report WS-07-04 from AAAI Press). 58-59. Vancouver, Canada, 22-23 Temmuz 2007
7	Say, Bilge, Zeyrek Deniz, Oflazer Kemal, Özge Umut. (2004). Development of a Corpus and a Treebank for Present Day Written Turkish. Current Research in Turkish Linguistics. ICTL 2002. North Cyprus, 7-9 Ağustos 2002. Imer, K, Doğan Gürkan (eds). Eastern Mediterranean University Press, 183-192

### COURSES GIVEN

1	MECE422 Multidisciplinary Engineering Design
2	ISE516 Business Process Management
3	SE544 Cognitive Aspects of Software Engineering
4	CMPE251 Discrete Computational Structures
5	SE324 Software Project Management and Economics
6	SE494 Graduate Project (and Coordination of Cooperative Education scheme)
7	CMPE102 Computer Programming
8	Courses on Mathematics for Games, Discrete Mathematics, Computational Modeling of the Mind, Logic and Prolog, Formal Languages, Artificial Intelligence, Natural Language Processing and Software Requirements Engineering in previous universities.

### THESES SUPERVISED

1	Kurtaran, Furkan. (2018), "An Evaluation of the Use of Software Engineering Practices by Cognitive Modelling Researchers," MSc Thesis, Atılım University, September 2018.
2	ÇAK SERKAN, (2011). Effects of working memory, attention, and expertise on pilots' situation awareness, Orta Doğu Teknik Üniversitesi, (Cosupervised with Mine Mısırlısoy)
3	ÖZCAN ORÇUN ORKAN, (2012). Exploring the effects of working memory capacity, attention, and expertise on situation awareness in a flight simulation environment, Orta Doğu Teknik Üniversitesi (Cosupervised with Murat Perit Çakır)
4	ERDENİZ BURAK, (2007). Probability learning in normal and parkinson subjects: The effect of reward, context, and uncertainty, Orta Doğu Teknik Üniversitesi (Cosupervised with Didem Gökçay)
5	KILIÇ ASLI, (2007). Age related changes in recognition memory for emotional stimuli, Orta Doğu Teknik Üniversitesi (Cosupervised with Didem Gökçay)
6	BİCAN CAN, (2007). An evaluation of cognitive modeling tools, Orta Doğu Teknik Üniversitesi

<b>7</b>	KILIÇ ÖZKAN, (2007). Cognitive aspects of conceptual modeling diagrams: An experimental study, Orta Doğu Teknik Üniversitesi(Cosupervised with Didem Gökçay)
<b>8</b>	STEPANOV EVGUENI, (2004). Implementing cognitive grammar on a cognitive architecture: A case study with ACT-R, Orta Doğu Teknik Üniversitesi
<b>9</b>	ÖZYÖRÜK NİLÜFER, (2004). A computational model of memory processes in the expectation-violation effect, Orta Doğu Teknik Üniversitesi(Cosupervised with Gürkan Tekman)
<b>10</b>	GÜRGEN ERKAN, (2002). Integrating landmark into a computational model of early cognitive mapping, Orta Doğu Teknik Üniversitesi. (Cosupervised with Deniz Zeyrek)
<b>11</b>	YILMAZ BİCAN FİLİZ, (2001). A Computational analysis of information structure in Turkish, Orta Doğu Teknik Üniversitesi (Cosupervised with Ümit Deniz Turan)