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<b>AKADEMİK/MESLEKİ DENEYİMİ</b>			
<b>KURUM / ŞİRKET ADI</b>	<b>BÖLÜMÜ</b>	<b>GÖREVİ</b>	<b>TARİH (Başlangıç-Bitiş)</b>
ODTÜ	Elektrik Elektronik Mühendisliği	Yardımcı Doçent	1984
ODTÜ	Elektrik Elektronik Mühendisliği	Doçent	1987
ODTÜ	Elektrik Elektronik Mühendisliği	Profesör	1995
ODTÜ	Enformatik Enstitüsü Bilişim Sistemleri	Anabilim Dalı Başkanı	1997-2003
ODTÜ	Enformatik Enstitüsü	Müdür Yardımcısı	2003-2004
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<b>YABANCI DİLLER</b>			
<b>DİL</b>	<b>BELGE TÜRÜ (VARSA)</b>	<b>PUANI/SEVİYE</b>	<b>BELGE TARİHİ</b>


#### SAHİP OLDUĞU PATENT / SERTİFİKA VE KURS BELGELERİ

Bereketli, A., Bilgen, S., US2015036463 (A1) - SENSOR FOR REMOTELY POWERED UNDERWATER ACOUSTIC SENSOR NETWORKS (RPUASN)

Bereketli, A., Bilgen, S., TR 2013 09368B – Uzaktan enerji beslemeli sualtı akustik algılayıcı ağlar (ubsaaa) için algılayıcı

#### YER ALDIĞI PROJELER

PROJE İSMİ	DESTEK VEREN KURUM/YIL/BÜTÇE	PROJEDEKİ GÖREVİ (Yürütücü/Araştırmacı olarak)

#### YAYIN LİSTESİ

##### Uluslararası hakemli dergilerde yayınlanan makaleler

##### On communications networking and mathematical models:

1. Deligönül, Z.Ş., Bilgen, S., "Solution of the Volterra Equation of Renewal Theory with Galerkin Technique, Using Cubic Splines", J. Statist. Comput. Simul., 20, 1984, 37-45.
2. Bilgen, S., Deligönül, Z.Ş., "A Note on the Choice of Numerical Integration Scheme in Solving the Renewal Equation", J. Statist. Comput. Simul., 20, 1984, 81-84.
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5. Bilgen, S., Altıntaş, O., "An Approximate Solution for the Resequencing Problem in Packet-Switching", IEEE Trans. Comm., 42:2/3/4, 1994, 229-232.
6. Salamah, M., Bilgen, S., "Distributed Memory Multiprocessor Communications", ELEKTRİK, Turkish Journal of Electrical Engineering and Computer Sciences, 4:1-2-3, 1996, 1-23.
7. Koçyiğit, A., Bilgen, S., "Statistically Predictive Optimal Routing and Wavelength Assignment in All-Optical Networks", Optical Networks Magazine, 4:6, November/December 2003, 121-133.
9. Gökışık, D., Bilgen, S., "Neural Network Based Optical Network Restoration with Multiple Classes of Traffic", Lecture Notes in Computer Science, Volume 2869/2003, Computer and Information Sciences - ISCIS 2003, pp. 771-778.
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#### **On information systems:**

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4. Güçlü, N., Bilgen, S., "Modelling and Assessment of the Effectiveness of Government Information Technologies - Value Space Approach with a Public Sector Case Study in Turkey", Electronic Journal of Information Systems in Developing Countries – EJISDC, (2011) 45, 4, pp. 1-30.
5. Tanrıöver, Ö.Ö., Bilgen, S., "A framework for reviewing domain specific conceptual models", Computer Standards & Interfaces, 33 (2011), pp. 448-464.
6. Chouseinoglou, O., İren, D., Karagöz, N. A., Bilgen, S., "AiOLoS: A model for assessing organizational learning in software development organizations", Information and Software Technology, Volume 55, Issue 11, November 2013, Pages 1904-1924, ISSN 0950-5849, <http://dx.doi.org/10.1016/j.infsof.2013.05.004>.
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9. Uçar, E., Bilgen, S., "A Case-based Model for Assessing the Effectiveness of Information Systems Outsourcing", Journal of Information Technology Case and Application research 1. (JITCAR), 15 (3), 2013.
10. Chouseinoglou, O., Bilgen, S., "Introducing critical thinking to software engineering education", Software Engineering Research, Management and Applications, (2014) pp. 183-195. [DOI: 10.1007/978-3-319-00948-3\_12]
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#### **On music processing:**

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#### **Uluslararası bilimsel toplantılarda sunulan ve bildiri kitabında (proceedings) basılan bildiriler**

##### **On communications networking and mathematical modeling:**

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- Community", OECD Seminar on Information Technology and Development, Istanbul, 1986.
3. Ekinci, O., Bilgen, S., "Implementation of ISO Virtual Terminal Protocol over MS-DOS", ISCISIII: Third International Symposium on Computer and Information Sciences, Izmir, 1988, 12-18.
  4. Bilgen, S., "Rural Voice Communications in Turkey", OECD Seminar on the Regional Impact of Advanced Telecommunications Services, Sweden, 1990.
  5. Altıntaş, O., Bilgen, S., "An Approximate Solution of the Resequencing Problem in Packet Switching Networks", NATO Advanced Research Workshop on Architecture and Performance Issues of High Capacity Local and Metropolitan Area Networks, France, 1990.
  6. Salamah, M., Bilgen, S., "Structural Performance Analysis of the Generalized Hypercube", ISCISV: Fifth International Symposium on Computer and Information Sciences, Cappadocia, 1990.
  7. Şut, E., Özdemir, T., Yücel, M.D., Bilgen, S., "Comparison of Reed-Solomon Decoder Implementations Based on Two Different Microprocessors", IEEE MELECON'91, Ljubljana, 1991, 614-617.
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  9. Kuşdemir, L., Bilgen, S., "A Highly Parallelized Architecture for a DQDB Node", International Conference on Network Protocols, ICNP'93, San Francisco, 1993, 27-34.
  10. Memişoğlu, T., Bilgen, S., "An Adaptive Hybrid ARQ Scheme Based on Exponentially Weighted Moving Averages for Slowly Time-Varying Communication Channels", IEEE International Symposium on Information Theory, Trondheim, 1994.
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  12. Salamah, M., Bilgen, S., "An ATM Based Multiprocessor Communication Architecture", ISCIS X, International Symposium on Computer and Information Sciences, Kuşadası, 1995, 785-792.
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  14. Germen, E., Bilgen, S., "A Statistical Approach to Determine the Nighbourhood Function and Learning Rate in Self-Organizing Maps", Progress in Connectionist-Based Information Systems, Proceedings of the 1997 International Conference on Information Processing and Intelligent Information Systems, ICONIP'97, Vol.1, 334-337, Springer, 1997.
  15. Germen, E., Bilgen, S., "StatSOM - Statistical Self Organizing Map", International Conference on NeuroComputing, NC'98, Vienna, 1998.
  16. Başbuğoğlu, O., Bilgen, S., "A Distributed Minimal Congestion Routing Algorithm for WDM Networks", ISCIS XIV, International Symposium on Computer and Information Sciences, Kuşadası, 1999, 685-692.
  17. Germen, E., Bilgen, S., "StatSOM: A Statistical Approach to Determine the Parameters of Kohonen's SOM", ISCIS XIV, International Symposium on Computer and Information Sciences, Kusadası, 1999, 763-770.
  18. Koçyiğit, A., Bilgen, S., "Statistically Predictive Optical Wavelength Routing", ISCIS XV, International Symposium on Computer and Information Sciences, İstanbul, 2000, 358-365.
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  20. Kahraman, G., Bilgen, S., "Wireless Application Protocol Transport Layer Performance", ISCC'03, Eighth IEEE International Symposium on Communications and Computers, Antalya, 2003. (Paper awarded "Honourable Mention in Simulation")
  21. Gökşık, D., Bilgen, S., "Distributed Restoration In Optical Networks Using Feed-Forward Neural Networks", ISCIS XVIII, International Symposium on Computer and Information Sciences, Antalya, 2003.
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23. Bereketli, A., Türken, H., Bilgen, S., "Cross Layer Power Adaptive CSMA/CA for Sink Powered Underwater Acoustic Sensor Networks," in Proc. 12th Annual Mediterranean Ad Hoc Networking Workshop (Med-Hoc-Net), pp. 26-33, Ajaccio, Corsica, France, June 2013.

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1. Bilgen, S., "Internet-Based Graduate Training: An Experience with Group Projects", SIMPLAC'2002, Latin American and Caribbean Symposium on Education, Science and Culture in the Information Society, Havana, 2002.
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5. Tanrıöver, Ö., Bilgen, S., "An Inspection Approach for Conceptual Models for the Mission Space Developed in Domain Specific Notations of UML", SIW'07 Fall Software Interoperability Workshop, Orlando, Florida, September 2007.  
([http://www.sisostds.org/conference/download.cfm?Phase\\_ID=2&FileName=07F-SIW-031.pdf](http://www.sisostds.org/conference/download.cfm?Phase_ID=2&FileName=07F-SIW-031.pdf))
6. Tanrıöver, Ö., Bilgen, S., "An Inspection Approach for Conceptual Models in Notations Derived from UML: A Case Study", ISCIS'07, International Symposium on Computer and Information Sciences, Ankara, November 2007.
7. Kaşıkçı, B.C.C., Bilgen, S., "Scalable Modeling of Software Product Line Variability", SPLC'09, International Software Product Line Conference, San Francisco, August 2009, pp. 134-141.
8. Güçlü, N., Bilgen, S., "Process Based Public Value and Effectiveness of Government Information Systems", RCIS2010, Proceedings of Research Challenges in Information Systems, Nice, France, 2010, pp.429-436.
9. Güçlü, N., Bilgen, S., "Modeling and Assessment of the Effectiveness of Government Information Systems", IAMOT 2010, Proceedings of 19th International Conference on Management of Technology, Cairo, Egypt, 2010,
10. Uçar, E., Bilgen, S., "Effectiveness of Information Systems Outsourcing: An Exploratory Case Study", IADIS-IS2012, IADIS International Conference on Information Systems, Berlin, 2012, pp. 383-387.
11. Yarlikas, S., Bilgen, S., "Economic and Technical Assessment of Cloud Computing", CLOSER2012, Proceedings of the 2nd International Conference on Cloud Computing and Services Science, Lisbon, 2012, 167-172.
12. Chouseinoglou, O., Bilgen, S., "A Model for Assessing Organizational Learning in Software Development Organizations", HCSE 2012, Toulouse, France, October 2012, LNCS 7623, 251-258.
13. Yılmaz Taştekin, S., Erten, Y. M., Bilgen, S., "Product Development Time Improvement with Requirements Reuse", The Seventh International Conference on Software Engineering Advances, ICSEA 2012, November 18-23, 2012 - Lisbon, Portugal, pp. 394-400.
14. Özen, G., Karagöz, N. A., Chouseinoglou, O., Bilgen, S., "Assessing Organizational Learning in IT Organizations: An experience report from industry", 23rd International Workshop on Software Measurement (IWSM) and the 8th International Conference on Software Process and Product Measurement (Mensura) (IWSM-MENSURA 2013), Ankara, 23-25 October 2013.
15. Chouseinoglou, O., Bilgen, S., "Introducing Critical Thinking to Software Engineering Education", Software Engineering Research, Management and Applications, Studies in Computational Intelligence Volume 496, 2014, pp 183-195.
16. Tüzün, E., Tekinerdogan, B., Bilgen, S., "Deriving Metrics to Support Software Product Line

Feasibility Analysis”, ICSR Workshop, DReMeR’13.

17. Erturan, Y.N., Bilgen, S., Tokdemir, G., Cagiltay, N.E., Ozcebe, E., “A Mobile Application Flow Representation for Mutual Understanding of IT and Healthcare Professionals”, M. Kurosu (Ed.): Human-Computer Interaction, Part I, HCII 2013, LNCS 8004, pp. 310–319, 2013.
18. Asan, E., Albrecht, O., Bilgen, S., “Handling Complexity in System of Systems Projects – Lessons Learned from MBSE Efforts in Border Security Projects”, Proc. Fourth Int. Conf. Complex Systems Design & Management, CSD&M 2013, pp. 281-299.(Best Paper Award)
19. Deniz, B., Bilgen, S., “An Empirical Study of Software Reuse and Quality in an Industrial Setting”, B. Murgante et al. (Eds.): ICCSA 2014, Part V, LNCS 8583, pp. 508-523, 2014.
20. Yildiz, E., Bilgen, S., Tokdemir, G., Çağiltay, N.E., Erturan, Y.N., “Analysis of B2C Mobile Application Characteristics and Quality Factors Based on ISO 25010 Quality Model”, MWIS2014, LNCS 8640, pp 261-274, 2014.
21. Iren, D., Kul, G., Bilgen, S., “Utilization of synergetic human-machine clouds: a big data cleaning case”, Proc. 1st International Workshop on CrowdSourcing in Software Engineering CSI-SE 2014, pp. 15-18.
22. Iren, D., Bilgen, S., “Cost models of quality assurance in crowdsourcing”, IEEE Fifth Int’l Conf. On Communications and Electronics (ICCE), 2014, pp. 504-509.

#### **On music processing:**

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2. İzmirli, Ö., Bilgen, S., "Classification of Note-Rhythm Complexities in Melodies Using a Neural Network Model", 10th International Conference on Artificial Intelligence, Workshop W12, Vienna, 1992.
3. İzmirli, Ö., Bilgen, S., “Recognition of Musical Tonality with Finite State Automata”, International Symposium on Computer and Information Sciences, ISCIS VIII, Istanbul, 1993.
4. İzmirli, Ö., Bilgen, S., "Single and Multi-part Tonal Context Determination", International Conference on Music Perception and Recognition ICMPC III, Liege, 1994.
5. İzmirli, Ö., Bilgen, S., "Recognition of Musical Tonality from Sound Input", IEEE MELECON'94, Antalya, 1994.
6. İzmirli, Ö., Bilgen, S., “A Multiple Frequency Tracking Algorithm”, JIM’96, Computer Music Conference, Caen, France, 1996.
7. Bora, U., Bilgen, S., “Computational Comparison of Piano Performances”, ISCIS XIV, International Symposium on Computer and Information Sciences, Kuşadası, 1999, 168-176.

#### **Yazılan uluslararası kitaplar veya kitaplarda bölümler**

1. İzmirli, O. and Bilgen, S. "Multiple Fundamental Tracking for Polyphonic Note Recognition" pp. 305-314 in M Chemillier and F. Pachet (Ed.s), Recherches et Applications en Informatique Musical, Hermes Editors, 1998.
2. Tanrıöver, Ö., Bilgen, S., “Ch. 15. UML-Based Conceptual Models and V&V,” in S. Robinson, R. Brooks, K. Kotiadis, D.-J. Van Der Zee (Ed.s), Conceptual Modeling for Discrete-Event Simulation, Taylor & Francis, 2010.
3. Asan, E., Bilgen, S., “Ch. 4. Agility Problems in Traditional Systems Engineering - A Case Study” pp. 53-71, Complex Systems Design & Management, Springer, Berlin, Heidelberg, 2013. doi:10.1007/978-3-642-34404-6\_4.
4. Asan, E., Albrecht, O., Bilgen, S., “Handling Complexity in System of Systems Projects – Lessons Learned from MBSE Efforts in Border Security Projects” pp. 281-299, Complex Systems Design & Management, Springer International Publishing, 2014. doi: 10.1007/978-3-319-02812-5\_21.
5. Güçlü, A. N., Bilgen, S., Medeni, T. D., Alir, G., & Medeni, İ. T., “Management of Strategic Knowledge and Technology in Government Agencies for Public Value” pp. 4629-4640 in M. Khosrow-Pour (Ed.), Encyclopedia of Information Science and Technology, Third Edition,

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6. Yarlikaş, S., & Bilgen, S., "Ch. 12. Measures for Cloud Computing Effectiveness Assessment" pp. 251-271 in Information Resources Management Association (Ed.), Web-Based Services: Concepts, Methodologies, Tools, and Applications, Hershey, PA: Information Science Reference, 2016. doi:10.4018/978-1-4666-9466-8.ch012.

#### **Ulusal hakemli dergilerde yayınlanan makaleler**

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2. Bilgen, S., Deligönül, Z.Ş., "Yenileme Kuramında Volterra Denklemine Çözümü İçin Bir Yöntem", ODTÜ Gelişme Dergisi, 11(3,4), 1984, 369-390.
3. Salamah, M., Bilgen, S., "Distributed Memory Multiprocessor Communications", ELEKTRİK, Turkish Journal of Electrical Engineering & Computer Sciences, 4(1-2-3), 1996, 1-24.
4. Koçyiğit, A., Gökışık, D., Bilgen, S., "All-Optical Networks", ELEKTRİK, Turkish Journal of Electrical Engineering & Computer Sciences, 9(2), 2001, 69-121.
5. Bilgen, S., Demirörs, O., Karagöz, A., "Kavramsal Modelleme ve Simülasyon Projelerinde Önemi", Savunma Sanayii Gündemi Dergisi, 2010/1, Sayı:11, 32-37.
6. Yarlikaş, S., Bilgen, S., "Bulut Bilişim sorunlarının önem düzeyleri üzerine bir inceleme", İnternet Uygulamaları ve Yönetimi Dergisi (IUVD), 2015, 6(1), 33-51.

#### **Ulusal bilimsel toplantılarda sunulan ve bildiri kitabında basılan bildiriler**

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2. Bilgen, S., "Kişisel Bilgisayar Çevresinde Yönetim Bilişim Sistemi Geliştirme Teknolojisi", 2. Türkiye Bilgisayar Kongresi, Ankara, 1985, 11-15.
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4. Bilgen, S., Ekinci, O., "Form Sınıfı Sanal Uç Hizmeti", II. Ulusal Elektrik Mühendisliği Kongresi, Ankara, 1987, 420-423.
5. Bilgen, S., Ekinci, O., "Bilgisayar Ağlarında Sanal Uç Protokolleri Kullanımı ve ISO 9040 Uygulaması", TBD 7. Ulusal Bilişim Kurultayı, Eskişehir, 1988, 215-222.
6. İzmirli, Ö., Bilgen, S., Yücel, M.D., "Bilgisayarda Müzik Tanıma", III Ulusal Elektrik Mühendisliği Kongresi, İstanbul, 1989, 440-442.
7. Akar, T., Bilgen, S., "Devre Anahtarlamalı Şebeke Tasarımı", III Ulusal Elektrik Mühendisliği Kongresi, İstanbul, 1989, 571-574.
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9. Bilgen, S., "Bilişim Etkinliklerinde Kurumlaşma", 1989 Sanayi Kongresi, Ankara, 66-68.
10. İzmirli, Ö., Bilgen, S., Yücel, M.D., "Müzik Akorlarının Bilgisayarla Tanınması", ODTU EEMB 30.Yıl Sempozyumu, Ankara, 1989, 67-70.
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19. Bilgen, S., Salamah, M., "Çokişlemcili Bilgisayarlarda İşlemcilerarası İletişim için bir ATM Bağlayıcı Önerisi", BAS'96 1. Bilgisayar Ağları Sempozyumu, İstanbul, 1996, 173-179.

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<b>DIĞER AKADEMİK FAALİYETLERİ ( Hakemlik/Danışmanlık/Editörlük Deneyimi)</b>			
Son bir yılda uluslararası indekslere kayıtlı yayınlar (makale/derleme)	Tastekin, S.Y., Erten, Y.M., Bilgen, S., "Accounting for Product Similarity in Software Project Duration Estimation", International Journal of Software Engineering and Knowledge Engineering (IJSEKE), 26:1, 2016, 63-86. (SCI-E)		
Son bir yılda danışmanlık yapılan projeler			
Danışmanlığı yapılan öğrenci sayısı		Tamamlanan	Devam Eden
	Y. Lisans	102	
	Doktora	28	
	Uzmanlık		
Editör/Yardımcı Editör olarak görev yapılan dergiler	<p>2009-present: The Computer Journal, published by the British Computer Society.</p> <p>2008-present: Editor for Turkish Journal of Electrical Engineering and Computer Sciences (ELEKTRİK).</p> <p>2000-present: Consulting Editor for Anadolu University Journal of Science and Technology, Eskişehir.</p> <p>2014: IEEE Communications Letters; Advances in Software Engineering.</p> <p>2013: EURASIP Journal on Wireless Communications and Networking.</p> <p>2004: Gazi Üniversitesi Fen Bilimleri Enstitüsü</p>		



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<b>ÜYESİ BULUNULAN KURULUŞLAR (ODA-DERNEK-VAKIF-PARTİ VB) VE GÖREVİ</b>
1990 - ... : ODTÜ Öğretim Elemanları Derneği, Kurucu, iki dönem Yönetim Kurulu Başkanı 1994 - ... : Dil Derneği Üyesi 2001-2008: ODTÜ MODSİMMER Yönetim Kurulu Üyesi 1997-2004: ODTÜ Enformatik Enstitüsü Yönetim Kurulu Üyesi 1996-1998: ODTÜ Rektörlüğü TEKNOKENT Danışma Kurulu Üyesi