


NAME	Semih Bilgen	
TCKN		
DATE OF BIRTH	24.02.1953	
PROFESSION	Professor, Dean	
PHONE	0 216 677 16 30	
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EDUCATION			
	INSTITUTION	DEPARTMENT/PGM	GRADUATION YEAR
UNIVERSITY	ODTÜ	EEE	1973
M.Sc.	RENSSLAER POLYTECHNIC INSTITUTE, TROY, NY, ABD	CS	1976
Ph.D.	UNIVERSITY OF MANITOBA, KANADA	EEE	1982

AREAS OF SPECIALTY
Computer Hardware and Software, Software Engineering, Software Management, Information Systems

ACADEMIC/PROFESSIONAL EXPERIENCE			
INSTITUTION	DEPARTMENT	POSITION	DATES (From-To)
METU	EEE	Assistant Professor	1984
METU	EEE	Associate Professor	1987
METU	EEE	Professor	1995
METU	Informatics Institute, Information Systems	Head of Department	1997-2003
METU	Informatics Institute	Associate Director	2003-2004
Yeditepe University	Computer Engineering Dept	Head of Department	2014-2016
Istanbul Okan University	Faculty of Engineering	Dean	2016-continuing

DİL	LEVEL
Turkish	Mother Tongue
English	Excellent

French	Reading: Very good, Writing: Medium, Speaking: Medium
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PATENTS
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

PROJECTS		
PROJE İSMİ	DESTEK VEREN KURUM/YIL/BÜTÇE	PROJEDEKİ GÖREVİ (Yürütücü/Araştırmacı olarak)
OPINA	EU, IPA, 2020-2023	Senior Representative of the End Recipient (SRER)
RECIPROCITY	EU H2020 2021-2023	Istanbul Okan University Team Leader

PUBLICATIONS
<p>International Refereed Journals</p> <p>On communications networking and mathematical models:</p> <ol style="list-style-type: none"> 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. 3. Bilgen, S., Deligönül, Z.Ş., "Weibull Renewal Equation Solution", Computing, 39, 1987, 71-76. 4. Bilgen, S., Aykut, M., Ekinci, O., "A Forms Class Virtual Terminal Service Project", Computer Networks and ISDN Systems, 14, 1987, 305-309. 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. 8.

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.
10. Gökışık Karpaz, D., Bilgen, S., "Distributed Restoration in Optical Networks using Feed-forward Neural Networks", Photonic Network Communications, 12:1, July 2006, pp. 53-64.
11. Bereketli, A., Bilgen, S., "Remotely Powered Underwater Acoustic Sensor Networks", IEEE Sensors, December 2012, pp 3467-3472.

On information systems:

1. Özkan, S., Hackney, R.A., Bilgen, S., "Process Based Information Systems Evaluation: Towards the attributes of 'PRISE'", Journal of Enterprise Information Management, 20: 6, 2007, pp. 700 – 725.
2. Atalag K, Bilgen S, Gur G, Boyacioglu S, "Evaluation of the Turkish translation of the Minimal Standard Terminology for Digestive Endoscopy by development of an endoscopic information system", Turkish Journal of Gastroenterology (SCIE), 18:3, 2007, pp. 157-164.
3. Özkan, S., Çakır, M, Bilgen, S. "A Maturity Based Qualitative Information Systems Effectiveness Evaluation of a Public Organization in Turkey", Journal of Cases on Information Technology (JCIT), 10: 3, July-September 2008, pp.58-71, ISSN: 1548-7717; EISSN: 1548-7725.
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>.
7. Yarlıkas, S., Bilgen, S. "Cloud Computing Effectiveness Assessment", International Journal of Cloud Computing and Services Science (IJ-CLOSER) (2013), Vol.2, No.4, pp. 226-248.
8. Kahraman, G., Bilgen, S., "A framework for qualitative assessment of domain-specific languages", Software and Systems Modeling (2013), [DOI 10.1007/s10270-013-0387-8]
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]
11. Yarlıkaş, S., Bilgen, S., "Measures for Cloud Computing Effectiveness Assessment", International Journal of Cloud Applications and Computing (IJCAC), 4:3, 2014, pp. 20-43.
12. Tüzün, E., Tekinerdoğan, B., Kalender, M. E., Bilgen, S., "Empirical evaluation of a decision support model for adopting software product line engineering", Information and Software Technology, Vol. 60, April 2015, pp. 77–101. doi:10.1016/j.infsof.2014.12.007
13. 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.

On music processing:

1. İzmirli, Ö., Bilgen, S., "A Model for Tonal Context Time Course Calculation from Accoustical Input", Journal of New Music Research, 25:3, 1996, 276-288.
2. Bora, U., Tufan, S., Bilgen, S., "A Tool for Comparison of Piano Performances", Journal of New Music Research, , 29:1, 2000, 85-99.

Papers in International Refereed Conferences

On communications networking and mathematical modeling:

1. Bilgen, S., Wexler, A., "Spline Boundary Element Solution of Dielectric Scattering Problems", 12. European Microwave Conference, Helsinki, 1982, 372-377.
2. Bilgen, S., "International Standards in Computer Networks and the Turkish Research 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.
8. Altıntaş, O., Bilgen, S., "An Approximate Solution of the Heterogeneous Multi-Server Queueing Problem", IEEE MELECON'91, Ljubljana, 1991, 961-964.
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.
11. Memişoğlu, T., Bilgen, S., "An Adaptive Hybrid ARQ Scheme for Slowly Time-Varying Communication Channels", IEEE MELECON'94, Antalya, 1994.
12. Salamah, M., Bilgen, S., "An ATM Based Multiprocessor Communication Architecture", ISCIS X, International Symposium on Computer and Information Sciences, Kuşadası, 1995, 785-792.
13. Bilgen, S., Salamah, M., "Performance of the Double-LIB Architecture", IEEE MELECON'96, Bari, Italy, 1996.
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.
19. Demirci, T., Bilgen, S., "A Performance Study on Real-Time IP Multicasting", ISCC'03, Eighth IEEE International Symposium on Communications and Computers, Antalya, 2003.
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. Gökişik, D., Bilgen, S., "Distributed Restoration In Optical Networks Using Feed-Forward Neural Networks", ISICIS XVIII, International Symposium on Computer and Information Sciences, Antalya, 2003.
22. T. Demirci, A. Kalaycioglu, O. Salor, S. Pakhuylu, M. Dagli, T. Kara, S. Bilgen, U. Sezen, I. Cadirci and M. Ermis, "National PQ Monitoring Network for Turkish Electricity Transmission System", IEEE Instrumentation and Measurement Technology Conference, 2007.
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.
24. Ghahremaninejadmanji, R., Bilgen, S., "Introducing a novel ROS-based Cooperative Autonomous Vehicles Planning simulation framework, CAVPsim", 8th International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2022, online.

On information systems:

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.
2. Özkan, S., Bilgen, S., "Notes Towards IS Assessment: A Comparison of two Models within the Context of the Internet", Proc. Int. Assoc. Development of Information Society (IADIS) International Conference WWW/Internet 2003, Algarve, Portugal, Vol.2, pp.1215-1219.
3. Özkan, S., Bilgen, S., "Merging of IT Process Quality Frameworks With Other Business Process Measurement Frameworks", Proc. 12th European Conference on Information Technology Evaluation, 2005, pp.366-376.
4. Atalağ, K., Bilgen, S., "Multi-Level Modeling and the Role of Archetypes in the Design of Health Information Systems: A Modeling Example in Endoscopy", HIBIT'07 International Symposium on Health Informatics and Bioinformatics, Antalya, Turkey, May 2007.
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)
6. Tanrıöver, Ö., Bilgen, S., "An Inspection Approach for Conceptual Models in Notations Derived from UML: A Case Study", ISICIS'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, Portuga, 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:

1. Germen, E., Bilgen, S., Yücel, M.D., "A Microprocessor-Based System for Transcription and Processing of Single-Part Music", 10th International Conference on Artificial Intelligence, Workshop W12, Vienna, 1992.
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.

Books or Book Chapters

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., Alır, 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, Hershey, PA: Information Science Reference, 2015. doi:10.4018/978-1-4666-5888-2.ch454
6. Yarlıkaş, 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.

Papers in National Refereed Journals

1. Bilgen, S., "Gelişmekte Olan Ülkeler ve Bilişim Uygulayım Bilimi", *ODTÜ Gelişme Dergisi*, 9:1, 1982, 87-97.
2. Bilgen, S., Deligönül, Z.Ş., "Yenileme Kuramında Volterra Denkleminin 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. Yarlıkaş, S., Bilgen, S., "Bulut Bilişim sorunlarının önem düzeyleri üzerine bir inceleme", *İnternet Uygulamaları ve Yönetimi Dergisi (IUVD)*, 2015, 6(1), 33-51.

Papers in National Refereed Conferences

1. Bilgen, S., "Doğal Dildeki Metinlerin Kavramsal Çözümlemesi", *TBD 2. Ulusal Bilisim Kurultayı*, Ankara, 1978, 175-183.
2. Bilgen, S., "Kişisel Bilgisayar Çevresinde Yönetim Bilişim Sistemi Geliştirme Teknolojisi", *2. Türkiye Bilgisayar Kongresi*, Ankara, 1985, 11-15.
3. Bilgen, S., Deligönül, Z.Ş., "Kobra İşlevleri ve Tümlevsel Denklemlerin Sayısal Çözümü", *TBD 6. Ulusal Bilişim Kurultayı*, Ankara, 1986, 84-91.
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.
8. Altıntaş, O., Bilgen, S., "Paket Anahtarlamalı Şebekelerde Başarım Çözümlemesi için bir Yaklaşık Yöntemi", *III Ulusal Elektrik Mühendisliği Kongresi*, İstanbul, 1989, 575-578.
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.

11. Bilgen, S., "Bilgisayar Ağlarında Açık Sistem Bağlaşımı (OSI)", ODTU EEMB 30.Yıl Sempozyumu, Ankara, 1989, 236-238.
12. Altıntaş, O., Bilgen, S., "Bilgisayar Ağlarında Paket Ayırıştırma/Sıralama", ODTU EEMB 30.Yıl Sempozyumu, Ankara, 1989, 239-242.
13. Yardım, Y., Bilgen, S., "Bir Mesaj Aktarım Yazılımı", ODTU EEMB 30.Yıl Sempozyumu, Ankara, 1989, 254-257.
14. Bağrıaçık, Y., Bilgen, S., "TURPAK Paket Anahtarlama Şebekesinin Başarım Değerlendirmesi", TBD 8. Ulusal Bilişim Kurultayı, Ankara, 1990.
15. Kuşdemir, L., Bilgen, S., "Yüksek Hızlı Bilgisayar Ağları - Fiber Dağıtık Veri Arabirimi (FDDI) ve Dağıtık Kuyruk İkili Anahat (DQDB) Standartları", BILKON'91, Ankara, 1991, 170-173.
16. Bilgen, S., Başlar, B., "ATM Bağlayıcısı Başarım Değerlendirmesi İçin bir Benzetim Modeli", IV. Ulusal Elektrik Mühendisliği Kongresi, İzmir, 1991.
17. Memişoğlu, A.T., Bilgen, S., "Gilbert-Elliott Kanalı İçin bir Karma ARQ Protokolü", IV. Ulusal Elektrik Mühendisliği Kongresi, İzmir, 1991.
18. Bilgen, S., "Bilişim ve Müzik", TBD BİLİŞİM'93, İstanbul, 1993, 54-57.
19. Bilgen, S., Salamah, M., "Çokişlemcili Bilgisayarlarda İşlemcilerarası İletişim için bir ATM Bağlayıcı Önerisi", BAS'96 1. Bilgisayar Ağları Sempozyumu, İstanbul, 1996, 173-179.
20. Bilir, B., Bilgen, S., "Packet Radio TDMA Performance Evaluation", BAS'97 2. Bilgisayar Ağları Sempozyumu, Ankara, 1997, 109-116.
21. Başbuğoğlu, O., Bilgen, S., "A Distributed Minimal Wavelength Conversion Routing Algorithm for WDM Networks", BAS'99 4. Bilgisayar Ağları Sempozyumu, İstanbul, 1999, 36-43.
22. Bilgen, S., "Kamu Kesiminde Bilişim Hizmetlerinde Dış Kaynak Kullanımı", Davetli Konuşma, TBD BİLİŞİM'99, (*Outsourcing of Information Systems Services in the Public Sector, Invited Speech, in Turkish*) İstanbul, 1999, 67-70.
23. Koçyiğit, A., Bilgen, S., "Tümüyle Optik Ağlarda İstatistiksel Öngörüye Dayalı Yeni Yönlendirme ve Dalga Boyu Atama", BİLİŞİM'2001, Eylül 2001, İstanbul.
24. Eryılmaz, U., Bilgen, S., Molyer, O., "Doğrulama ve Geçerleme Yaklaşımlarının Görev Uzayı Kavramsal Modellerine Yönelik İncelenmesi", SAVTEK 2006, Haziran 2006, Ankara.
25. Chouseinoglou, O., Karagöz, N.A., İren, D., Özen, G., Bilgen, S., "AiOLoS: Yazılım Geliştiren Organizasyonlarda Örgütsel Öğrenmeyi Değerlendirme Modeli", 7. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS13), İzmir, 25-28 September 2013.
26. Ayaz, S., Bilgen, S., "JSON Sözdizimli Gerçek Zamanlı İletişim Protokolü", 13. Ulusal Yazılım Mühendisliği Sempozyumu (UYMS19), İzmir, 23-25 September, 2019.

OTHER ACADEMIC ACTIVITIES			
Supervised studies		Completed	Devam Eden
	M.Sc.	103	
	PhD	28	3
Editing Scientific/Technical Publications	2009-present: The Computer Journal, published by the British Computer Society. 2008-present: Editor for Turkish Journal of Electrical Engineering and Computer Sciences (ELEKTRİK). 2000-present: Consulting Editor for Anadolu University Journal of Science and Technology, Eskişehir. 2014: IEEE Communications Letters; Advances in Software Engineering.		

	<p>2013: EURASIP Journal on Wireless Communications and Networking.</p> <p>2004: Gazi Üniversitesi Fen Bilimleri Enstitüsü Dergisi.</p> <p>2004: Yıldız Teknik Üniversitesi Dergisi.</p> <p>2004: IEEE Journal on Special Areas in Communication (JSAC) – Special Issue on Optical Networking.</p> <p>1991: IEEE Transactions on Communications.</p>
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MEMBERSHIP IN ACADEMIC/SOCIAL ASSOCIATIONS
<p>1990 - ... : Member, METU Academic Staff Association, Founder and two term chair</p> <p>1994 - ... : Member, Language Association</p> <p>2001-2008: Member, METU MODSİMMER (Modeling & Simulation Center) Board of Executives</p> <p>1997-2004: Member, METU Informatics Institute Board of Executives</p> <p>1996-1998: Member, METU TEKNOKENT Advisory Board</p>