



**Gonca Gökçe Menekşe Dalveren, Ph.D.**

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**EDUCATION**

2012 - 2018	Atılım University, Software Engineering, Ph.D.
2009 - 2011	Atılım University, Computer Engineering, M.S.
2004 - 2009	Atılım University, Computer Engineering, B.S.

**ACADEMIC POSITIONS**

04/2019-	Asst. Prof. Dr., Department of Software Engineering, Atılım University, Turkey
04/2019-04/2021	Post-Doc Researcher, Department of Computer Science, Norwegian University of Science and Technology (NTNU), Norway
09/2012-04/2019	Research Assistant, Department of Software Engineering, Atılım University, Turkey

**SCHOLARSHIPS**

04/2019-04/2021	ERCIM “Alain Bensoussan” Fellowship Program
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**CERTIFICATES**

European Research Consortium for Informatics and Mathematics (ERCIM) Fellowship Program Certificate of Completion
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**TRAINING**

27-29/11/2019	A practical introduction to eye tracking, Lund University, Lund, Sweden
23-29/02/2020	Research Extend Program, Centrum Wiskunde & Informatica (CWI), Amsterdam, Holland

**RESEARCH INTERESTS**

1	Software Engineering
2	Eye Tracking
3	Medical Informatics
4	Human Computer Interaction
5	Programming Languages
6	Database Management Systems
7	Virtual Reality
8	Data Mining

## PUBLICATIONS

SCI, SCI-Exp, SSCI or AHCI Journals	
1	<b>Menekse Dalveren, G. G.</b> , Cagiltay, N. E., Ozcelik, E., & Maras, H. (2018). Insights From Pupil Size to Mental Workload of Surgical Residents: Feasibility of an Educational Computer-Based Surgical Simulation Environment (ECE) Considering the Hand Condition. <i>Surgical Innovation</i> , 25(6), 616–624. <a href="https://doi.org/10.1177/1553350618800078">https://doi.org/10.1177/1553350618800078</a>
2	<b>Menekse Dalveren, G. G.</b> , & Cagiltay, N. E. (2018). Insights from surgeons' eye-movement data in a virtual simulation surgical training environment: effect of experience level and hand conditions. <i>Behaviour &amp; Information Technology</i> , 37(5), 517-537. <a href="https://doi.org/10.1080/0144929X.2018.1460399">https://doi.org/10.1080/0144929X.2018.1460399</a>
3	<b>Menekse, G. G.</b> , & Cagiltay, N. E. (2018). Using eye-movement events to determine the mental workload of surgical residents. <i>Journal of Eye Movement Research</i> , 11(4), 3. DOI:10.16910/JEMR.11.4.3
4	<b>Menekse Dalveren, G. G.</b> , & Cagiltay, N. E. (2019). Evaluation of ten open-source eye-movement classification algorithms in simulated surgical scenarios. <i>IEEE Access</i> , 7, 161794-161804. 10.1109/ACCESS.2019.2951506
5	Cagiltay, N. E., Ozcelik, E., Berker, M., & <b>Menekse Dalveren, G. G.</b> (2019). The Underlying Reasons of the Navigation Control Effect on Performance in a Virtual Reality Endoscopic Surgery Training Simulator. <i>International Journal of Human-Computer Interaction</i> , 35(15), 1396-1403. <a href="https://doi.org/10.1080/10447318.2018.1533151">https://doi.org/10.1080/10447318.2018.1533151</a>
6	<b>Menekse Dalveren, G. G.</b> , & Cagiltay, N. E. (2019). Are left-and right-eye pupil sizes always equal?. <i>Journal of Eye Movement Research</i> , 12(2). <a href="https://doi.org/10.16910/jemr.12.2.1">https://doi.org/10.16910/jemr.12.2.1</a>
7	<b>Menekse Dalveren, G. G.</b> , & Cagiltay, N. E. (2020). Distinguishing Intermediate and Novice Surgeons by Eye Movements. <i>Frontiers in Psychology</i> , 11, 2330. <a href="https://doi.org/10.3389/fpsyg.2020.542752">https://doi.org/10.3389/fpsyg.2020.542752</a>
E-SCI Journals	
1	Serhat Peker S., <b>Menekse Dalveren G. G.</b> , İnal Y. (2021). The effects of content elements of online banner ads on visual attention: Evidence from an eye tracking study. <i>Future Internet</i> . <a href="https://doi.org/10.3390/fi13010018">https://doi.org/10.3390/fi13010018</a>
Other Journals	
1	D. Topalli, <b>G.G. Menekse Dalveren</b> , S. Camalan (2017), Comparison of Software Development Methodologies: An Industrial Case Study in Turkey, <i>International Journal of Scientific Research in Information Systems and Engineering (IJSRISE)</i> , vol. 3, no. 2, pp. 11-19
International Conferences	
1	<b>G. G. Menekse Dalveren.</b> , & Mishra, D. (2019). Software Engineering in Medical Informatics: A Systematic Literature Review. In <i>Proceedings of the 9th International Conference on Information Communication and Management (ICICM 2019)</i> . Association for Computing Machinery (ACM).
2	<b>G. G. Menekse Dalveren</b> , N. E. Cagiltay (2018). A Conceptual Framework for Context-Aware Adaptive Software Systems. In <i>E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education</i> (pp. 252-261). Association for the Advancement of Computing in Education (AACE).
3	<b>G. G. Menekse Dalveren</b> , N. E. Cagiltay, Insights from Eye-movement Events in an Educational Computer-based-simulation Environment (ECE) for Endo-neurosurgery Training Considering Gender, Hand Condition and Scenario Effects, 2018 International Symposium on Networks, Computers and Communications (ISNCC): Internet of Everything, Data Analytics and Smart Cities.

4	<b>G. G. Menekse Dalveren</b> , N. E. Cagiltay, E. Ozcelik, H. Maras (2017), Simulation-based environments for surgical practice, IEEE 4th International Conference on Control, Decision and Information Technologies (CoDIT), Barcelona, Spain, pp. 1153-1156
5	<b>G. G. Menekse Dalveren</b> , N. E. Cagiltay (2017), Predicting Experience Levels of Surgeons by Eye Gaze Data in a 3D Simulation Environment, The Fifth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2017), Kyrenia, North Cyprus, pp. 93-96.
6	D. Topalli, <b>G. G. Menekse</b> , S. Camalan (2016), Comparison of Software Development Methodologies: An Industrial Case Study in Turkey, The Fourth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2016), Kyrenia, North Cyprus, pp. 185-196
7	<b>G. G. Menekse Dalveren</b> , A. Akca Okan (2016), Data Synchronization Process with SOA In Automotive Industry, The Fourth International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA 2016) , Kyrenia, North Cyprus, pp. 30-34
8	<b>G. G. Menekse</b> , N. E. Cagiltay, G. Tokdemir, (2015), Patient safety & clinical decision support systems (CDSS): A case study in Turkey, IEEE E-Health and Bioengineering Conference (EHB), 2015, Iasi, Romania.
9	<b>G. G. Menekse</b> , N. E. Cagiltay, E. Ozcelik, (2015), Personality type indicator models in serious games: A case study in a surgical navigation game, IEEE International Conference on Information Technology Based Higher Education and Training (ITHET), 2015, Lisbon, Portugal.
<b>National Conferences</b>	
1	<b>G. G. Menekse Dalveren</b> , N. E. Cagiltay (2017), Cerrahi Eğitim Alan Kişilerin Beceri Seviyelerinin Göz Hareketlerinin Üç Boyutlu Simülasyon Ortamında İncelenmesi ile Tahmin Edilmesi, 34. Ulusal Bilişim Kutultayı, Ankara, pp. 1-4.

## PROJECTS

1	CerrAhi Navigasyon Sistemi (CAN) Projesi, Tübitak-1003 desteği (11/2013-11/2016) - Bursiyer
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## CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	18
H-index (ISI Web of Science):	3
Sum of times cited without self-citations (Google Scholar):	34
H-index (Google Scholar):	4
Sum of times cited without self-citations (Scopus):	16
H-index (Scopus)	2

## COURSES GIVEN

1	CMPE 225 – Object Oriented Programming
2	BP 105 – Office (Distance Education)
3	CMPE 113 – Computer Programming I

4	CMPE 114 – Computer Programming II
5	CMPE 102 – Computer Programming
6	SE 554 – Software Quality Management

**COURSES ASSISTED (2012- 2018)**

1	CMPE101 Introduction to Computers and Programming
2	CMPE102 Computer Programming
3	CMPE113 Computer Programming I
4	CMPE114 Computer Programming II
5	CMPE134 Fundamentals of Electronic Components
6	CMPE112 Introduction to Software Engineering
7	CMPE 225 Object Oriented Programming
8	CMPE 236 Introduction to Microprocessors and Microcontrollers
9	EE 203 Digital Circuits and Systems
10	ISE 311 Internet Programming
11	CMPE 341 Database Design and Management
12	CMPE 318 Java Programming