



Damla Topalli, Ph.D.

Atılım University
Department of Computer Engineering
06830 İncek, Gölbaşı, Ankara/TURKEY
damla.topalli@atilim.edu.tr
Tel: +90 312 586 83 69

PERSONAL

Date of Birth	February 23, 1986
Place of Birth	Samsun

EDUCATION

2013 - 2018	Atılım University, Software Engineering, Ph.D.
2011 - 2013	Atılım University, Computer Engineering, M.S.
2005 - 2009	Baskent University, Computer Engineering, B.S.

ACADEMIC POSITIONS

10/2010-	Research Assistant, Department of Computer Engineering, Atılım University, Turkey
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RESEARCH INTERESTS

1	Software Engineering
2	Database Management Systems
3	Data Mining
4	Medical Informatics

PUBLICATIONS

1	Topalli, D., & Cagiltay, N. E., Improving programming skills in engineering education through problem-based game projects with Scratch, Computers & Education, 120, 64-74, 2018 (SSCI, IF: 3.819)
2	Topalli, D., Eyuboglu B. G., & Cagiltay, N. E., Understanding the effect of handedness on both-handed task performance: An experimental study based on a haptic-controlled, simulation-based surgical skill training scenario, International Journal of Human-Computer Interaction (Accepted), 2018 (SCI, IF: 1.118)
3	Cagiltay, N. E., Tokdemir, G., Kilic, O., & Topalli, D., Performing and analyzing non-formal inspections of entity relationship diagram (ERD), Journal of Systems and Software, 86(8), 2184-2195, 2013 (SCI-Extended, IF: 3.32)
4	D.Topalli, G.G. Menekse Dalveren, S. Camalan, Comparison of Software Development Methodologies: An Industrial Case Study in Turkey,

	International Journal of Scientific Research in Information Systems and Engineering (IJSRISE), Vol.3, No.2, 11-19, 2017
5	D. Topalli , N.E. Cagiltay (2017), Measuring Difficulty Levels of Simulation-Based Skill Training Tasks: A Case Study for Endoscopic Surgery, 5th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA2017), Full Paper Proceedings, Girne, North Cyprus, pp.110-115
6	D. Topalli , S. Camalan, N.E. Cagiltay (2017), Effect of Gender on Performance in a Surgical Simulation Environment, 5th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA2017), Full Paper Proceedings, pp.130-134
7	D. Topalli , B.Y. Sahinoglu, O. Senekci, O.C. Tasyurek, N.E. Cagiltay (2017), Skill-Based training: Computer-based and Mobile Environments, 5th International Symposium on Engineering, Artificial Intelligence and Applications (ISEAIA2017), Abstract Proceedings, Girne, North Cyprus, pp.38
8	D. Topalli , N.E. Cagiltay (2017), Gamification in Neurosurgery Education, EDULEARN17 Proceedings, Barcelona, Spain, pp. 6580-6584
9	D. Topalli , N.E. Cagiltay (2017), Using Intelligent Support Systems for Endoscopic Surgery Training:Analysis of Hand Motion, EDULEARN17 Proceedings (Abstract), Barcelona, Spain, pp. 6596
10	D. Topalli , S. Camalan, N.E. Cagiltay (2017), Cerrahi Simülasyon Ortamında Cinsiyetin Performansa Etkisi, Proceedings of the 34. TBD National Informatics Symposium, Ankara, Turkey, pp.9-12
11	E. Tuner, D. Topalli , N.E. Cagiltay (2017), Simülasyona Dayalı Cerrahi Eğitim Süreçlerinde Navigasyon Desteğinin Etkisinin Araştırılması, Proceedings of the 34. TBD National Informatics Symposium, Ankara, Turkey, pp.13-16
12	D. Topalli , N.E. Cagiltay (2017), Simülasyon Tabanlı Eğitim Senaryolarının Zorluk Seviyelerinin Hesaplanması, Proceedings of the 34. TBD National Informatics Symposium, Ankara, Turkey, pp.17-20
13	N.E Cagiltay, D. Topalli (2017), Scratch ile Zenginleştirilmiş Bilgisayar Programlamaya Giriş Dersi, 11th International Computer and Instructional Technologies Symposium (ICITS), Abstract Proceedings, pp. 678
14	N.E Cagiltay, D. Topalli , S. Guney (2017), Simülasyon Tabanlı Beceriye Yönelik Eğitim Sistemlerinde Oyunlaştırmanın Etkisi, 11th International Computer and Instructional Technologies Symposium (ICITS), Abstract Proceedings, pp.679
15	N.E.Cagiltay, A. O. Borcek, G.Tokdemir, H. H. Maras, D. Topalli (2016), Problems of Gaining Neuronavigation Skills on Surgical Education Programs: A case study in Turkey, E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education , Washington DC, USA, Vol. 2016, No. 1, pp. 602-607
16	N. E. Cagiltay, D. Topalli , M. Berker (2016), Virtual Simulation Technologies in Neurosurgery, In E-Learn: World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Washington DC, USA, Vol. 2016, No. 1, pp. 608-615
17	D. Topalli , N.E. Cagiltay (2016), Understanding the Effect of Passive View on Surgical Performance in Simulation-Based Endoscopic Surgery Education, ICERI2016 Proceedings, Seville, Spain, pp. 1650-1658

18	D. Topalli , N.E. Cagiltay (2016), Insights for Instructional System Designers by Understanding the Skill Levels of Endoscopic Surgery Education Programs, ICERI2016 Proceedings, Seville, Spain, pp. 1635-1641
19	N.E. Cagiltay, D. Topalli , A.O. Borcek, G. Tokdemir, H.H. Maras, G. Tonbul, E. Aydin (2016), Neuronavigation Skill Training Through Simulation: Insights from Eye Data, ICERI2016 Proceedings, Seville, Spain, pp. 1666-1673
20	N. E. Cagiltay, D. Topalli (2016), Understanding Skill Improvements by Practicing the Usage of Surgical Instruments, ICERI2016 Proceedings, Seville, Spain, pp. 1642-1649
21	D. Topalli , G. Menekse, 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) Proceedings, GAU-Girne, North Cyprus, pp.185-196
22	N.E. Cagiltay, D. Topalli , A.O. Borcek, G. Tokdemir, H.H. Maras, G. Tonbul, E. Aydin (2016), Nöro-Navigasyon Sistemleri ve Pasif Kullanım Problemi, Medical Technologies National Congress (TIPTEKNO). IEEE., Antalya, Turkey, pp.1-4
23	B. G. Eyuboglu, D. Topalli , N.E. Cagiltay, G. Tonbul (2016), Simulasyon Tabanlı Cerrahi Eğitim Programları ve El Performansı, Medical Technologies National Congress (TIPTEKNO). IEEE., Antalya, Turkey, pp.1-4
24	Topaloglu E., Topalli D. , Cagiltay N.E. (2014), Designing Serious Games by Considering Gamer Tasks, 5th International Future-Learning Conference on Innovations in Learning for the Future 2014: e-Learning, İstanbul, Turkey
25	Çağiltay, N. E., Topalli, D. , Aykaç, Y. E., & Tokdemir, G. (2013, October). Abstract conceptual database model approach. In Science and Information Conference (SAI), 2013 (pp. 275-281). IEEE.
26	Çağiltay N., Tokdemir G., Topallı D. , Aykaç Y.E. (2013), Özet Kavramsal Veritabanı Model Yaklaşımı, Proceedings of 6th Engineering and Technology Symposium, Cankaya University
27	Topalli, D. & Cagiltay, N., (2012). Implementation of Topic Study Activities in Engineering Education. In 2nd International Engineering Education Conference (IEEC2012) (pp. 125-132).
28	Ozoran, D., Cagiltay, N., & Topalli, D. (2012). Using scratch in introduction to programming course for engineering students. In 2nd International Engineering Education Conference (IEEC2012) (pp. 125-132).

PROJECTS

1	Cerrahi Navigasyon Sistemi (CAN) Projesi, Tübitak-1003 desteği (11/2013-11/2016) - Bursiyer
2	Endoskopik Cerrahi Eğitiminde Akıllı Destek Sistemleri, LAP Projesi (11/2016- 08/2017) - Yürütücü

COURSES GIVEN

1	CMPE114 – Computer Programming II (2017-2018 Summer)
2	BP104 - Graphic and Animation (Distance Education)
3	BP207- Computer Networks and Internet (Distance Education)

COURSES ASSISTED (2010- 2018)

1	CMPE101 - Introduction to Computers and Programming
2	CMPE102 - Computer Programming
3	CMPE109 - Fundamentals of Computing
4	CMPE113 - Computer Programming I
5	CMPE114 - Computer Programming II
6	CMPE 225 - Object Oriented Programming
7	CMPE226 - Data Structures (HW)
8	CMPE251 - Discrete Computational Structures (HW)
9	CMPE 301 - Introduction to Database Management
10	CMPE 323 - Algorithms (HW)
11	CMPE 341 - Database Design and Management
12	CMPE 334 - Computer Networks
13	CMPE 376 - Computer Games and Simulation
14	CMPE 422 - Visual Programming
15	CMPE 493 - Project Orientation (HW)
16	ISE 201 - Business and Ethics (HW)
17	ISE 301 - Multimedia Systems (HW)
18	ISE314 - Data Warehousing and Mining (HW)
19	ISE 316 - e-Commerce (HW)
20	ISE 423 - Technology Trends in e-Government (HW)
21	ISE 424 - Distance Education and E-learning (HW)
22	ISE 432 - Innovation and Entrepreneurship in IT (HW)
23	SE 112 - Introduction to Software Engineering
24	SE 211 - Human Computer Interaction (HW)
25	SE221 - Software Requirements Engineering (HW)
26	MDES600 - Research Methodology and Communication Skills (HW)