Asst. Prof. ZEYNEP ÇİPİLOĞLU YILDIZ

Personal Information

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International Researcher IDs
ScholarID: fLtFMxIAAAAJ
ORCID: 0000-0003-4129-591X
Publons / Web Of Science ResearcherID: T-3389-2017
ScopusID: 35221435000
Yoksis Researcher ID: 20513

Education

Doctorate, Ihsan Dogramaci Bilkent University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2011 - 2016
Postgraduate, Ihsan Dogramaci Bilkent University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, Turkey 2007 - 2010
Undergraduate, Ihsan Dogramaci Bilkent University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, Turkey 2003 - 2007

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Perceptually-driven computer graphics and visualization, Ihsan Dogramaci Bilkent University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2016
Postgraduate, A fuzzy logic based approach for enhancing depth perception in computer graphics, Ihsan Dogramaci Bilkent University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği, 2010

Research Areas

Avesis Research Areas: Computer Graphics
WoS Research Areas: Computer Science

Academic Positions

Assistant Professor, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2017 - Present
Research Assistant, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2011 - 2017

Academic and Administrative Experience

Vice Dean, Manisa Celal Bayar University, Bilgisayar Ve Bilişim Bilimleri Fakültesi, Bilgisayar Ve Bilişim Bilimleri Fakültesi, 2025 - Present
Deputy Head of Department, Manisa Celal Bayar University, MÜHENDİSLİK VE DOĞA BİLİMLERİ FAKÜLTESİ, BİLGİSAYAR MÜHENDİSLİĞİ, 2018 - Present

Courses

Postgraduate
3D User Interface Design, Postgraduate, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Real-Time 3D Graphics, Postgraduate, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021
Undergraduate
Artificial Intelligence, Undergraduate, 2025 - 2026, 2024 - 2025, 2023 - 2024, 2022 - 2023, 2021 - 2022, 2020 - 2021, 2019 - 2020, 2018 - 2019
Computer Graphics, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018, 2016-2017
Object Oriented Analysis and Design, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2018-2019
Introduction to Digital Image Processing, Undergraduate, 2021-2022, 2020-2021, 2019-2020, 2018-2019, 2017-2018, 2016-2017
Programming Languages, Undergraduate, 2016-2017

Supervised Theses

ÇİPİLOĞLU YILDIZ Z., An Immersive Data Analytics Framework for Node-Link Diagrams, Postgraduate, H.İBİŞ(Student), 2025
ÇİPİLOĞLU YILDIZ Z., Development of a Virtual Reality Exposure Therapy System: An Example of Obsessive- Compulsive Disorder, Postgraduate, S.DOĞAN(Student), 2024

Articles

I. **A Metadata-Centered Cross-Platform Architecture for Numismatic Heritage: Integrating Web, 3D, and Immersive WebXR Environments**
Doğan S., Çipiloğlu Yıldız Z.
ELECTRONICS (Basel), vol.15, no.18, 2026 (SCI-Expanded, Scopus)

II. **A Scenario-Driven AI+VR Language Practice Platform: A Technical Feasibility and Formative Usability Study**
Çipiloğlu Yıldız Z., Baytak F., Ozkaya F.
IEEE TRANSACTIONS ON LEARNING TECHNOLOGIES, vol.19, pp.286-301, 2026 (SCI-Expanded, SSCI, Scopus)

III. **Algo-AR: Algoritmik Düşünme Becerilerinin Geliştirilmesi İçin Artırılmış Gerçeklik Destekli bir Somut Programlama Aracı Geliştirilmesi**
ÇİPİLOĞLU YILDIZ Z., Doğan S.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.17, no.2, pp.59-69, 2024 (TRDizin)

IV. **e-ksper: A Convolutional Neural Network Based System for Seedless Raisin Quality Grading**
Gülsoylu E., ÇİPİLOĞLU YILDIZ Z.
Gazi Mühendislik Bilimleri Dergisi, vol.9, no.3, pp.453-466, 2023 (TRDizin)

V. **Learning a crowd-powered perceptual distance metric for facial blendshapes**
ÇİPİLOĞLU YILDIZ Z.
Eurasip Journal on Image and Video Processing, vol.2023, no.1, 2023 (SCI-Expanded, Scopus)

VI. **A portfolio construction framework using LSTM-based stock markets forecasting**
ÇİPİLOĞLU YILDIZ Z., YILDIZ S. B.

International Journal of Finance and Economics, vol.27, no.2, pp.2356-2366, 2022 (SSCI, Scopus)

VII. **Mimari Miras Eğitiminde Artırılmış Gerçeklik ve Fotogrametri Desteği**
ÇİPİLOĞLU YILDIZ Z., Türker M., Ak R. D.
INTERNATIONAL JOURNAL OF INFORMATICS TECHNOLOGIES, vol.14, no.2, pp.137-149, 2021 (TRDizin)

VIII. **A machine learning framework for full-reference 3D shape quality assessment**
ÇİPİLOĞLU YILDIZ Z., Oztireli A. C., Çapın T. K.
Visual Computer, vol.36, no.1, pp.127-139, 2020 (SCI-Expanded, Scopus)

IX. **A perceptual quality metric for dynamic triangle meshes**
ÇİPİLOĞLU YILDIZ Z., Çapın T. K.
Eurasip Journal on Image and Video Processing, vol.2017, no.1, 2017 (SCI-Expanded, Scopus)

X. **A Framework for Applying the Principles of Depth Perception to Information Visualization**
ÇİPİLOĞLU YILDIZ Z., BÜLBÜL M. A., Çapın T. K.
ACM TRANSACTIONS ON APPLIED PERCEPTION, no.4, 2013 (SCI-Expanded, Scopus)

XI. **A color-based face tracking algorithm for enhancing interaction with mobile devices**
BÜLBÜL M. A., ÇİPİLOĞLU YILDIZ Z., Çapın T. K.
VISUAL COMPUTER, no.5, pp.311-323, 2010 (SCI-Expanded, Scopus)

XII. **A perceptual approach for stereoscopic rendering optimization**
BÜLBÜL M. A., ÇİPİLOĞLU YILDIZ Z., Çapın T. K.
COMPUTERS & GRAPHICS-UK, no.2, pp.145-157, 2010 (SCI-Expanded, Scopus)

Books

I. **Modeling Human Perception of 3D Scenes**
ÇİPİLOĞLU YILDIZ Z., BÜLBÜL M. A., ÇAPIN T. K.
in: Intelligent Scene Modeling and Human-Computer Interaction, Thalmann, N.M., Zhang, J.J., Ramanathan, M., Thalmann, D., Editor, Springer International Publishing, Heidelberg, pp.67-88, 2021

II. **Extreme Gradient Boosting Based Portfolio Construction For Stock Markets: A Case Study On Xbank Index**
YILDIZ S. B., ÇİPİLOĞLU YILDIZ Z.
in: İktisadi ve İdari Bilimler Alanında Uluslararası Araştırmalar IV, ABDULLAH SOYSAL, Editor, Eğitim Yayınevi, Konya, pp.238-252, 2021

III. **Machine Learning Applications in Stock Markets**
YILDIZ S. B., ÇİPİLOĞLU YILDIZ Z.
in: Managing Global Trade in Industry 4.0: New Issues and Trends, Metin İsmail, Danacı Ünal Tuğçe, Editor, Gazi Kitabevi, Ankara, pp.133-150, 2020

Papers Presented at Peer-Reviewed Scientific Conferences

I. **Recognition of European Grapevine Moths in Pheromone Traps by Convolutional Neural Networks**
Gülsoylu E., ÇİPİLOĞLU YILDIZ Z.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), 3 - 05 June 2020, (Summary Text)

II. **An Augmented Reality Based Approach for the Promotion of Our Historical Artifacts**
AK R. D., TÜRKER M., ÇİPİLOĞLU YILDIZ Z.
International Conference on Advanced Technologies, Computer Engineering and Science (ICATCES), Turkey, 3 - 05 June 2020, (Summary Text)

III. **A Face Tracking Algorithm for User Interaction in Mobile Devices**
BÜLBÜL M. A., ÇİPİLOĞLU YILDIZ Z., ÇAPIN T. K.
2009 INTERNATIONAL CONFERENCE ON CYBERWORLDS, 7 - 11 September 2009, pp.385-390, (Full Text)

IV. **A Fully Object-space Approach for Full-reference Visual Quality Assessment of Static and Animated 3D Meshes**
ÇİPİLOĞLU YILDIZ Z., Çapın T. K.
14th International Conference on Computer Graphics Theory and Applications, GRAPP 2019 - Part of the 14th International Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications, VISIGRAPP 2019, Prague, Czech Republic, 25 - 27 February 2019, vol.1, pp.169-176, (Full Text)

V. **A Blind Mesh Quality Metric Using Deep Neural Networks**
ÇİPİLOĞLU YILDIZ Z.
EURASIA Graphics, Gaziantep, Turkey, 16 - 18 November 2018, (Summary Text)

VI. **An Automated Machine Vision System for Raisin Quality Grading**
Gülsoylu E., ÇİPİLOĞLU YILDIZ Z.
2. Int. University Industry Cooperation RD and Innovation Congresss, 14 - 15 November 2018, (Summary Text)

VII. **İlgi Yönelimli Yazılım Geliştirme Stratejisinin Veri Madenciliği Problemlerine Uygulanması**
ÇİPİLOĞLU YILDIZ Z., Mısırlı G., Olgun G.
Ulusal Yazılım Mühendisliği Sempozyumu, Turkey, 30 May - 01 June 2012, (Full Text)

VIII. **A framework for enhancing depth perception in computer graphics**
ÇİPİLOĞLU YILDIZ Z., BÜLBÜL M. A., ÇAPIN T. K.
Proceedings of the 7th Symposium on Applied Perception in Graphics and Visualization - APGV '10, Los Angeles, California, United States Of America, 23 - 24 July 2010, (Full Text)

Funded Projects

KALAÇ M. Ö., KILINÇ M., ALTINTAŞ V., YILDIZ S. B., ÇİPİLOĞLU YILDIZ Z., Project Supported by Higher Education Institutions, BAP Other, Biltevt'2024"Bilişim Teknolojilerinde Evrensel Tasarım" Uluslararası Engelsiz Bilişim 2024 Kongresi (Onbirinci), 2024 - 2025
Çipiloğlu Yıldız Z., Doğan S., Project Supported by Other Official Institutions, Sanal Maruziyet Terapisi Uygulaması Geliştirilmesi: Obsesif Kompulsif Bozukluk (OKB) Örneği, 2023 - 2025
ABİDİN D., ÇİPİLOĞLU YILDIZ Z., EMEK S., Project Supported by Higher Education Institutions, Sanal ve Artırılmış Gerçeklik Uygulamaları İçin Bir Kullanıcı Deneyimi Kalitesi Çerçevesi Oluşturulması, 2022 - 2023
ÇİPİLOĞLU YILDIZ Z., ÖZACAR ÖZTÜRK T., ÖZTÜRK Ö., Project Supported by Higher Education Institutions, Nesnelerin İnterneti Uygulamaları İçin Veri Semantizasyonu, 2018 - 2019
ÇAPIN T. K., ALGIYA DAYALI 3 BOYUTLU BİLGİSAYAR GRAFİĞİ, 2010 - 2013
Çapın T. K., FP7 Project, FP7 Project, 3DPHONE, 2008 - 2011

Scientific Project Refereeing

TUBITAK Project, 1501 - Industry R & D Projects Support Program, November 2025
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, May 2025
TUBITAK Project, 1501 - Industry R & D Projects Support Program, May 2025
TUBITAK Project, 1501 - Industry R & D Projects Support Program, May 2025
TUBITAK Project, 1002 - Quick Support Program, April 2025
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, December 2024
TUBITAK Project, 1501 - Industry R & D Projects Support Program, December 2024
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, October 2024
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, May 2024
TUBITAK Project, 1507 - TÜBİTAK SME R&D Start Support Program, January 2024
TUBITAK Project, 1501 - Industry R & D Projects Support Program, August 2023

Mobility Activity

Research Scholarship Program, Guest Researcher, Eidgenössische Technische Hochschule, ETHZ (The Federal Institute of Technology, Zürich), Switzerland, 2015 - 2016

Metrics

Publication: 24
Citation (WoS): 64
Citation (Scopus): 54
H-Index (WoS): 6
H-Index (Scopus): 3