

## Asst. Prof. RUKİYE SAVRAN KIZILTEPE

### Personal Information

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### International Researcher IDs

ScholarID: IdicMRsAAAAJ

ORCID: 0000-0002-3862-7621

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### Education Information

Doctorate, University of Essex, School of Computer Science and Electronic Engineering, Computer Science, England 2017 - 2022

Postgraduate, University of Essex, School of Computer Science and Electronic Engineering, Computer Science, England 2016 - 2017

Undergraduate, Hacettepe University, Eğitim Fakültesi, Bilgisayar Ve Öğ.Tek.Eği. Bölümü, Turkey 2010 - 2014

### Foreign Languages

English, C1 Advanced

### Academic Titles / Tasks

Assistant Professor, Ankara University, Mühendislik Fakültesi, Yazılım Mühendisliği Bölümü, 2025 - Continues

Assistant Professor, Karadeniz Technical University, Mühendislik Fakültesi, Yazılım Mühendisliği, 2022 - 2025

### Courses

#### Undergraduate

YMH216 Yazılım Ekonomisi, Undergraduate, 2025 - 2026

YMH354 Web Tasarımı ve Programlama, Undergraduate, 2025 - 2026

YMH212 Yazılım Gereksinim Analizi, Undergraduate, 2025 - 2026

YMH339 Veritabanı Yönetim Sistemleri, Undergraduate, 2025 - 2026

YMH115 Yazılım Mühendisliğine Uyum, Undergraduate, 2025 - 2026

### Published journal articles indexed by SCI, SSCI, and AHCI

- Energy-time modelling of distributed multi-population genetic algorithms with dynamic workload in HPC clusters**  
Escobar J. J., Sánchez-Cuevas P., Prieto B., SAVRAN KIZILTEPE R., Díaz-del-Río F., Kimovski D.  
FUTURE GENERATION COMPUTER SYSTEMS-THE INTERNATIONAL JOURNAL OF ESCIENCE, vol.167, 2025 (SCI-Expanded)

- II. **Integration of Feature and Decision Fusion With Deep Learning Architectures for Video Classification**  
Kiziltepe R., Gan J. Q., Escobar J. J.  
IEEE ACCESS, pp.19432-19446, 2024 (SCI-Expanded)
- III. **A novel keyframe extraction method for video classification using deep neural networks**  
Kiziltepe R., Gan J. Q., Jose Escobar J.  
NEURAL COMPUTING & APPLICATIONS, vol.35, no.34, pp.24513-24524, 2023 (SCI-Expanded)

### Articles Published in Other Journals

- I. **An annotated video dataset for computing video memorability**  
SAVRAN KIZILTEPE R., Sweeney L., Constantin M. G., Doctor F., Seco de Herrera A. G., Demarty C., Healy G., Ionescu B., Smeaton A. F.  
DATA IN BRIEF, vol.39, pp.107671, 2021 (ESCI)
- II. **Examining Information and Communication Technologies Preservice Teachers' Views On Technology Integration and Their Roles In This Process**  
Demirarslan Çevik Y., Dağhan G., BARIN S., Savran Kiziltepe R.  
Journal of Theory and Practice in Education, vol.11, no.4, pp.1143-1166, 2015 (Peer-Reviewed Journal)

### Papers Published in Refereed Scientific Meetings

- I. **Using LLMs for Annotation and ML Methods for Comparative Analysis of Large-Scale Turkish Sentiment Datasets**  
Ezin E., Savran Kiziltepe R., Karakuş M.  
9th International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 26 - 28 October 2024, pp.204-209
- II. **A Comparative Study of ML Models on Large-Scale Turkish Sentiment Datasets**  
SAVRAN KIZILTEPE R., EZİN E., KARAKUŞ M.  
20th Innovations in Intelligent Systems and Applications Conference 2024 (ASYU 2024), Ankara, Turkey, 16 - 18 October 2024, pp.1-6
- III. **Overview of The MediaEval 2023 Predicting Video Memorability Task**  
Constantin M. G., Demarty C., Fosco C., Seco de Herrera A. G., Halder S., Healy G., Ionescu B., Matran-Fernandez A., SAVRAN KIZILTEPE R., Smeaton A. F., et al.  
MediaEval 2023, Amsterdam, Netherlands, 1 - 02 February 2024
- IV. **Energy-Aware KNN for EEG Classification: A Case Study in Heterogeneous Platforms**  
Escobar J. J., Rodríguez F., SAVRAN KIZILTEPE R., Prieto B., Kimovski D., Ortiz A., Damas M.  
18th International Work-Conference on Artificial Neural Networks, Azores, Portugal, 19 - 21 June 2023
- V. **Overview of The MediaEval 2021 Predicting Media Memorability Task**  
SAVRAN KIZILTEPE R., Constantin M. G., Demarty C., Healy G., Fosco C., Seco de Herrera A. G., Halder S., Ionescu B., Matran-Fernandez A., Smeaton A. F., et al.  
MediaEval 2021, England, 13 - 15 December 2021
- VI. **Essex-NLIP at MediaEval Predicting MediaMemorability 2020 Task**  
Jacutprakart J., SAVRAN KIZILTEPE R., Gan J. Q., Papanastasiou G., Seco de Herrera A. G.  
MediaEval 2020, England, 14 - 16 December 2020, vol.1
- VII. **Overview of MediaEval 2020 Predicting Media Memorability Task: What Makes a Video Memorable?**  
Seco de Herrera A. G., SAVRAN KIZILTEPE R., Chamberlain J., Constantin M. G., Demarty C., Doctor F., Ionescu B., Smeaton A. F.  
MediaEval 2020, England, 14 - 16 December 2020
- VIII. **Simple Effective Methods for Decision-Level Fusion in Two-Stream Convolutional Neural**

### **Networks for Video Classification**

SAVRAN KIZILTEPE R., Gan J. Q.

Intelligent Data Engineering and Automated Learning–IDEAL 2020: 21st International Conference, Guimaraes, Portugal, 4 - 06 November 2020, pp.77-87

### **IX. Combining Very Deep Convolutional Neural Networks and Recurrent Neural Networks for Video Classification**

SAVRAN KIZILTEPE R., Gan J. Q., Jose Escobar J.

15th International Work-Conference on Artificial Neural Networks, Gran Canaria, Spain, 12 - 14 June 2019, pp.811-822

### **X. Energy-Time Analysis of Convolutional Neural Networks Distributed on Heterogeneous Clusters for EEG Classification**

Escobar J. J., Ortega J., Damas M., SAVRAN KIZILTEPE R., Gan J. Q.

15th International Work-Conference on Artificial Neural Networks, Gran Canaria, Spain, 12 - 14 June 2019, pp.895-907

## **Supported Projects**

Savran Kızıltepe R., Universities of Other Countries Supported Project, Advancing Sentiment Analysis for Low-Resource Languages Using Fine-Tuned Large Language Models: A Case Study of Customer Reviews in Turkish Language, 2024 - 2025

Savran Kızıltepe R., TUBITAK Project, Çağrı Merkezleri İçin Duygusal Analiz Uygulamasının Geliştirilmesi, 2024 - 2025

Savran Kızıltepe R., Other International Funding Programs, The creation of an innovative SaaS based product that helps content agencies and brands to create video content and distribution strategies for marketing, 2019 - 2022

## **Metrics**

Publication: 15

Citation (Scopus): 40

H-Index (Scopus): 4