

Res. Asst. PhD BEGÜM MUTLU BİLGE

Personal Information

Email: begummutlu@gazi.edu.tr

Other Email: gbegummutlu@gmail.com

Web: <https://avesis.gazi.edu.tr/begummutlu>

Address: Eti Mahallesi Yükseliş Sokak No: 5, Gazi Üniversitesi Mühendislik Fakültesi Bilgisayar Mühendisliği Oda No: 115
Maltepe, Çankaya, Ankara, Türkiye

International Researcher IDs

ScholarID: PJ6D8L4AAAAJ

ORCID: 0000-0003-1960-2143

Publons / Web Of Science ResearcherID: AAG-4551-2019

ScopusID: 55292707200

Yoksis Researcher ID: 214800

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), Turkey 2015 - 2020

Postgraduate, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), Turkey 2012 - 2014

Undergraduate, Anadolu University, Faculty Of Business Administration, Department Of Business, Turkey 2009 - 2013

Undergraduate, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, Turkey 2008 - 2012

Dissertations

Doctorate, HİBRİT ZEKİ SİSTEM İLE METİN ÖZETLEME, Gazi University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (Dr), 2020

Postgraduate, Hiyerarşik bulanık çıkarsama sistemlerinde bulanıklığın düzeyler arası aktarımı için yöntem önerisi, Hacettepe University, Fen Bilimleri Enstitüsü, Bilgisayar Mühendisliği (YI) (Tezli), 2014

Research Areas

Knowledge Engineering, Fuzzy Sets and Systems, Natural Language Processing, Evolutionary Computing, Text/Document Processing, Neural Networks

Academic Titles / Tasks

Research Assistant PhD, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2020 - Continues

Research Assistant, Gazi University, Mühendislik Fakültesi, Bilgisayar Mühendisliği, 2014 - 2020

Courses

FUZZY LOGIC, Undergraduate, 2021 - 2022

INTRODUCTION TO ARTIFICIAL INTELLIGENCE, Undergraduate, 2020 - 2021

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **An Auto-Approval Approach for Laboratory Test Assessment**
MUTLU BİLGE B., Kazezoglu C., Soylu S., Uzunal E., Akyurek A. O., SEZER E.
IEEE ACCESS, vol.9, pp.138323-138344, 2021 (SCI-Expanded)
- II. **Candidate sentence selection for extractive text summarization**
Mutlu B., Sezer E., Akcayol M. A.
INFORMATION PROCESSING & MANAGEMENT, vol.57, 2020 (SCI-Expanded)
- III. **On the use of hierarchical fuzzy inference systems (HFIS) in expert-based landslide susceptibility mapping: the central part of the Rif Mountains (Morocco)**
Ozer B. C., MUTLU B., Nefeslioglu H. A., Sezer E. A., Rouai M., Dekayir A., GÖKÇEOĞLU C.
BULLETIN OF ENGINEERING GEOLOGY AND THE ENVIRONMENT, vol.79, no.1, pp.551-568, 2020 (SCI-Expanded)
- IV. **An Experimental Research on the Use of Recurrent Neural Networks in Landslide Susceptibility Mapping**
MUTLU B., NEFESLİOĞLU H. A., SEZER E., AKCAYOL M. A., GÖKÇEOĞLU C.
ISPRS INTERNATIONAL JOURNAL OF GEO-INFORMATION, vol.8, no.12, 2019 (SCI-Expanded)
- V. **Multi-document extractive text summarization: A comparative assessment on features**
MUTLU B., SEZER E., AKCAYOL M. A.
KNOWLEDGE-BASED SYSTEMS, vol.183, 2019 (SCI-Expanded)
- VI. **A weighted multi-attribute-based recommender system using extended user behavior analysis**
Akcayol M. A., Utku A., Aydogan E., Mutlu B.
ELECTRONIC COMMERCE RESEARCH AND APPLICATIONS, vol.28, pp.86-93, 2018 (SCI-Expanded)
- VII. **A defuzzification-free hierarchical fuzzy system (DF-HFS): Rock mass rating prediction**
MUTLU B., SEZER E., NEFESLİOĞLU H. A.
FUZZY SETS AND SYSTEMS, vol.307, pp.50-66, 2017 (SCI-Expanded)
- VIII. **Silhouette Extraction from Street View Images**
Mutlu B., Haciomeroglu M., GÜZEL M. S., DİKMEN M., Sever H.
INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.11, 2014 (SCI-Expanded)

Articles Published in Other Journals

- I. **An Efficient Multi-Threaded Web Crawler Using HashMaps**
Kansu Y., MUTLU B., UTKU A., AKCAYOL M. A.
Journal of Advances in Computer Networks (JACN), vol.5, no.2, pp.65-69, 2017 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Differentiations in Hierarchical Fuzzy Systems**
MUTLU B., SEZER E.
in: Recent Developments and the New Direction in Soft-Computing Foundations and Applications, Lotfi A. Zadeh, Ronald R. Yager, Shahnaz N. Shahbazova, Marek Z. Reformat, Vladik Kreinovich, Editor, Springer, Cham, pp.361-379, 2018

Refereed Congress / Symposium Publications in Proceedings

- I. **A Sliding Window Approach for Early Prediction of Sepsis Sepsisin Erken Teşhisi için Kayan Pencere**

Yaklaşımı

Mutlu B.

30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022

II. Early Stage Fault Prediction via Inter-Project Rule Transfer

Uykur N. E., Mutlu B., SEZER E.

6th International Conference on Computer Science and Engineering, UBMK 2021, Ankara, Turkey, 15 - 17 September 2021, pp.466-471

III. Fuzzy Cognitive Maps for Software Fault Prediction

Marangoz S., Mutlu B., SEZER E.

15th Turkish National Software Engineering Symposium, UYMS 2021, Virtual, Izmir, Turkey, 17 - 19 November 2021

IV. A New Fuzzy Rule Generation Scheme based on Multiple-Selection of Influencing Factors

MUTLU B., SEZER E.

2019 IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), New Orleans, LA, USA, United States Of America, 23 - 26 June 2019

V. Expert-based landslide susceptibility modelling by using hierarchical fuzzy systems (HFS): an investigation from central part of Rif Mountains (Morocco)

ÖZER B. C., MUTLU B., NEFESLİOĞLU H. A., SEZER E., ROUAI M., Dekayir A., GÖKÇEOĞLU C.

European Geosciences Union General Assembly, Viyana, Austria, 4 - 13 April 2018

VI. End-to-End Hierarchical Fuzzy Inference Solution

MUTLU B., SEZER E., AKCAYOL M. A.

IEEE International Conference on Fuzzy Systems (FUZZ-IEEE), Rio de Janeiro, Brazil, 8 - 13 July 2018

VII. Differentiations in Hierarchical Fuzzy Systems

MUTLU B., SEZER E.

6th World Conference on Soft Computing, California, United States Of America, 22 - 25 May 2016, vol.361, pp.361-379

VIII. Automatic Rule Generation of Fuzzy Systems: A Comparative Assessment on Software Defect Prediction

MUTLU B., SEZER E., AKCAYOL M. A.

3rd International Conference on Computer Science and Engineering (UBMK), Sarajevo, Bosnia And Herzegovina, 20 - 23 September 2018, pp.209-214

IX. Deep Learning Approach for Author Verification Problem on Twitter

Yilmaz M., MUTLU B., Utku A., AKCAYOL M. A.

26th IEEE Signal Processing and Communications Applications Conference (SIU), İzmir, Turkey, 2 - 05 May 2018

X. A New Recommender System Based on Multiple Parameters and Extended User Behavior Analysis

UTKU A., AYDOĞAN DUMAN E., MUTLU B., AKCAYOL M. A.

Proceedings of the 9th International Conference on Information Management and Engineering - ICIME 2017, Barcelona, Spain, Spain, 9 - 11 October 2017

XI. A Fuzzy Approach to Determine the Quality of Automatic Summaries

MUTLU B., SEZER E., AKCAYOL M. A.

The 5th International Fuzzy Systems Symposium 2017, 14 - 15 October 2017

XII. An Efficient Multi-Threaded Web Crawler Using HashMaps

KANSU Y., MUTLU B., UTKU A., AKCAYOL M. A.

4th International Conference on Electrical and Electronics Engineering 2017, 8 - 10 April 2017

XIII. A Comparative Assessment on Linear Solutions to Fuzzy Rule Generation

MUTLU B., SEZER E.

International Conference on Computer Science and Engineering, Tekirdağ, Turkey, 20 - 23 October 2016, pp.351-355

XIV. Effect of Rule Evaluation in Hierarchical Systems A Benchmark on XOR Gate

MUTLU B., SEZER E., NEFESLİOĞLU H. A.

International Fuzzy Systems Symposium (FUZZYSS'15), İstanbul, Turkey, 5 - 06 November 2015

XV. Consequences of Structural Differences Between Hierarchical Systems While Fuzzy Inference

MUTLU B., SEZER E., NEFESLİOĞLU H. A.

13th International Work-Conference on Artificial Neural Networks (IWANN), Palma de Mallorca, Spain, 10 - 12 June 2015, vol.9094, pp.549-560

XVI. Transition of Vagueness Between Layers of Hierarchical Fuzzy Systems

MUTLU B., SEZER E., NEFESLİOĞLU H. A.

20th International Conference on Soft Computing, Brno, Czech Republic, 25 - 27 June 2014

XVII. CAPTCHA Metinler için YSA Tabanlı Örüntü Tanıma Yaklaşımı

MUTLU B., SEZER E., NEFESLİOĞLU H. A.

5th International Conference on Information Security and Cryptology, Ankara, Turkey, 17 - 18 May 2012, pp.235-244

Supported Projects

AKCAYOL M. A., TUBITAK Project, Web Madenciliği Yöntemleri Kullanarak Kullanıcı Davranışı Ve Komşuluk Analizine Dayalı Tavsiye Motoru Geliştirilmesi, 2015 - 2017

Metrics

Publication: 27

Citation (WoS): 136

Citation (Scopus): 153

H-Index (WoS): 6

H-Index (Scopus): 6