

## Assoc. Prof. ÖMER ÖZGÜR TANRIÖVER

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAI-1305-2020

Yoksis Researcher ID: 160318

### Education Information

Doctorate, Middle East Technical University, Graduate School Of Informatics, Information Systems, Turkey 2001 - 2008

Postgraduate, Middle East Technical University, Graduate School Of Informatics, Bilişim Sistemleri (YI) (Tezli), Turkey

1999 - 2002

### Foreign Languages

French, C1 Advanced

English, C2 Mastery

### Dissertations

Doctorate, An inspection approach for conceptual models of the mission space in a domain specific notation, Middle East Technical University, Fonsiyonel Analiz Anabilim Dalı, Bilişim Sistemleri (Dr), 2008

Postgraduate, A software workforce assessment model, Middle East Technical University, Fonsiyonel Analiz Anabilim Dalı, Bilişim Sistemleri (YI) (Tezli), 2002

### Research Areas

Information Security and Reliability, Computer Learning, Software Engineering

### Academic Titles / Tasks

Associate Professor, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2022 - Continues

Assistant Professor, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2012 - 2022

Research Assistant, Middle East Technical University, Bilim Ve Teknoloji Politikaları Araştırma Merkezi, 1999 - 2005

Research Assistant, Technische Universiteit Eindhoven, Endüstri Mühendisliği Ve Yenilik Bilimleri, Bilişim Sistemleri, 2003 - 2003

### Academic and Administrative Experience

Member of the Commission, Ankara University, Mühendislik Fakültesi, Bilgisayar Mühendisliği Bölümü, 2019 - Continues  
Yönetim Kurulu Üyeliği, Diğer (Kurumlar,hastaneler Vb.), Ankara Üniversitesi Sınav Yönetim Merkezi, 2015 - 2019

## Courses

İŞLETİM SİSTEMLERİ, Undergraduate, 2018 - 2019, 2016 - 2017, 2015 - 2016, 2014 - 2015  
OPERATING SYSTEMS, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
INTRODUCTION TO COMPUTER SCIENCE, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
SOFTWARE ENGINEERING, Undergraduate, 2018 - 2019, 2017 - 2018, 2016 - 2017, 2015 - 2016, 2014 - 2015  
BİLGİ TEKNOLOJİLERİ YÖNETİŞİMİ, Postgraduate, 2017 - 2018, 2015 - 2016  
BLM334 İŞLETİM SİSTEMLERİ, Undergraduate, 2017 - 2018, 2013 - 2014  
INTRODUCTION TO COMPUTER SCIENCE, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013  
COM 377 SOFTWARE ENGINEERING, Undergraduate, 2013 - 2014, 2012 - 2013  
INTRODUCTION TO PROGRAMING II, Undergraduate, 2011 - 2012

## Advising Theses

Tanrıöver Ö. Ö., Elektronik oylamalar için blok zincirine dayalı güvenli bir oylama modeli, Doctorate, R.TAŞ(Student), 2022  
Tanrıöver Ö. Ö., Makine öğrenmesi tabanlı topluluk yöntemleri ile yazılım kalitesi tahmini, Postgraduate, A.AYBERK(Student), 2022  
Tanrıöver Ö. Ö., Blok zinciri teknolojisinin nesnelerin interneti ortamında uygulanması, Postgraduate, A.ELBÜZ(Student), 2022  
TANRIÖVER Ö. Ö., Twitter base crime prediction using machine learning algorithm, Doctorate, S.TAM(Student), 2021  
TANRIÖVER Ö. Ö., ARAÇ MUAYENE VERİLERİ İLE VERİ MADENCİLİĞİ UYGULANMASI, Postgraduate, G.ÇETİN(Student), 2021  
TANRIÖVER Ö. Ö., Data migration for microservice architecture, Postgraduate, I.BAKARR(Student), 2020  
TANRIÖVER Ö. Ö., Emergency triage and hospitalization prediction using machine learning, Postgraduate, A.AZIZ(Student), 2019  
TANRIÖVER Ö. Ö., Method of restructuring software for maintenance with solid principles, Postgraduate, O.TURAN(Student), 2019  
TANRIÖVER Ö. Ö., An improved web application evaluation system for usability experts, Postgraduate, F.TEKMEN(Student), 2019  
TANRIÖVER Ö. Ö., An approach for improving mutation based software testing, Postgraduate, M.ABDILLAHİ(Student), 2019  
TANRIÖVER Ö. Ö., Congestion detection system regarding P4 networks, Postgraduate, M.Soubra(Student), 2018  
TANRIÖVER Ö. Ö., Congestion detection system regarding P4 networks, Postgraduate, M.SOUBRA(Student), 2018  
TANRIÖVER Ö. Ö., ASKERBEYLİ İ., Yazılım proje riskleri için bir karar destek yöntemi ve yazılım prototipi, Postgraduate, S.VAHIDNIA(Student), 2016  
TANRIÖVER Ö. Ö., Sınırlı dokunmatik ekran verileri kullanarak el yazısı imzası doğrulamak için geliştirilmiş bir yöntem, Postgraduate, E.KARAGEDİKLİ(Student), 2015

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

1. **Motor vehicle inspection and error associations prediction Motorlu araç muayene ve hata birliktelikleri tahmini**

Yılmaz G. Ç., TANRIÖVER Ö. Ö.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.40, no.1, pp.455-465, 2024 (SCI-Expanded)

- II. **LoRA-NIR: Low-Rank Adaptation of Vision Transformers for Remote Sensing with Near-Infrared Imagery**  
ÜLKÜ İ., TANRIÖVER Ö. Ö., AKAGÜNDÜZ E.  
IEEE Geoscience and Remote Sensing Letters, vol.21, 2024 (SCI-Expanded)
- III. **A SysML-based approach for designing an ideal blockchain-based data trading platform**  
Elbuz A., OSMANOĞLU M., Tanriover Ö. Ö.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.39, no.1, pp.509-519, 2024 (SCI-Expanded)
- IV. **Evaluation of the Validity and Reliability of ANKUTRIAGE, a New Decision Support System in Pediatric Emergency Triage**  
Göktuğ A., Çullas İlarıslan N. E., Vatansever G., Özdemir İ., Polat O., Oğuz A. B., Koca A., Genç S., Tanrıöver Ö. Ö., Demir S., et al.  
PEDIATRIC EMERGENCY CARE, vol.39, no.1, pp.28-32, 2023 (SCI-Expanded)
- V. **Multimodal Deep Learning Crime Prediction Using Tweets**  
Tam S., OzgurTanriover Ö. Ö.  
IEEE ACCESS, vol.11, pp.93204-93214, 2023 (SCI-Expanded)
- VI. **A Deep Transfer Learning Based Visual Complexity Evaluation Approach to Mobile User Interfaces**  
Akca E., TANRIÖVER Ö. Ö.  
TRAIEMENT DU SIGNAL, vol.39, no.5, pp.1545-1556, 2022 (SCI-Expanded)
- VII. **Reliability and Validity of a New Computer-Based Triage Decision Support Tool: ANKUTRIAGE**  
KOCA A., POLAT O., OĞUZ A. B., GENÇ S., Gunalp M., Degirmenci S., TEKİN D., İlarıslan N. E. C., Goktug A., KARAKILIÇ M. E., et al.  
DISASTER MEDICINE AND PUBLIC HEALTH PREPAREDNESS, vol.17, 2022 (SCI-Expanded)
- VIII. **A comprehensive appraisal of perceptual visual complexity analysis methods in GUI design**  
Akca E., TANRIÖVER Ö. Ö.  
DISPLAYS, vol.69, 2021 (SCI-Expanded)
- IX. **A Manipulation Prevention Model for Blockchain-Based E-Voting Systems**  
Tas R., TANRIÖVER Ö. Ö.  
SECURITY AND COMMUNICATION NETWORKS, vol.2021, 2021 (SCI-Expanded)
- X. **A ConvBiLSTM Deep Learning Model-Based Approach for Twitter Sentiment Classification**  
Tam S., Ben Said R., TANRIÖVER Ö. Ö.  
IEEE ACCESS, vol.9, pp.41283-41293, 2021 (SCI-Expanded)
- XI. **A Systematic Review of Challenges and Opportunities of Blockchain for E-Voting**  
Tas R., TANRIÖVER Ö. Ö.  
SYMMETRY-BASEL, vol.12, no.8, 2020 (SCI-Expanded)
- XII. **A multiple objective evolutionary algorithm approach to find optimal design parameters for beam position**  
AYDIN A., Bostanci E., TANRIÖVER Ö. Ö.  
INTERNATIONAL JOURNAL OF MODERN PHYSICS C, vol.31, no.3, 2020 (SCI-Expanded)
- XIII. **Using a Subtractive Center Behavioral Model to Detect Malware**  
Aslan O., SAMET R., TANRIÖVER Ö. Ö.  
SECURITY AND COMMUNICATION NETWORKS, vol.2020, 2020 (SCI-Expanded)
- XIV. **Priority rule for resource constrained project planning problem with predetermined work package durations**  
Cetin P., TANRIÖVER Ö. Ö.  
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.35, no.3, pp.1537-1549, 2020 (SCI-Expanded)
- XV. **An Improvement of Iterative Algebraic Reconstruction Technique by Using Bisectors: An Illustration**

### **in Computerized Tomography**

Soubra M., TANRIÖVER Ö. Ö.

COMPUTATIONAL VISION AND BIO INSPIRED COMPUTING, vol.28, pp.758-773, 2018 (SCI-Expanded)

XVI. **A process capability based assessment model for software workforce in emergent software organizations**

TANRIÖVER Ö. Ö., Demirors O.

COMPUTER STANDARDS & INTERFACES, vol.37, pp.29-40, 2015 (SCI-Expanded)

XVII. **A framework for reviewing domain specific conceptual models**

TANRIÖVER Ö. Ö., Bilgen S.

COMPUTER STANDARDS & INTERFACES, vol.33, no.5, pp.448-464, 2011 (SCI-Expanded)

### **Articles Published in Other Journals**

I. **Prediction of software quality with Machine Learning-Based ensemble methods**

CERAN A. A., AR Y., TANRIÖVER Ö. Ö., Seyrek Ceran S.

Materials Today: Proceedings, vol.81, pp.18-25, 2023 (Scopus)

II. **Personel İş Zekası Sistemi ve Veri Madenciliği ile Personel Memnuniyetinin Ölçülmesi**

ÇETİN G., TANRIÖVER Ö. Ö.

Avrupa Bilim ve Teknoloji Dergisi, 2020 (Peer-Reviewed Journal)

III. **Designing a secure blockchain-based trading platform for internet of things**

Elbüz A., OSMANOĞLU M., TANRIÖVER Ö. Ö.

Communications Faculty of Sciences Series A2-A3 Physical Sciences and Engineering, vol.61, no.1, pp.102-110, 2019 (Peer-Reviewed Journal)

IV. **Crime Prediction Using Social Sentiment and Socio-factor**

Tam S., TANRIÖVER Ö. Ö.

Communications Faculty of Sciences, Series A2-A3: Physical Sciences and Engineering, vol.60, no.1, pp.11-20, 2018 (Peer-Reviewed Journal)

V. **An assessment of recent cloud security measure proposals in comparison to their support by widely used cloud service providers**

Soubra M., TANRIÖVER Ö. Ö.

Muğla Journal of Science and Technology, vol.3, no.2, pp.122-130, 2017 (Peer-Reviewed Journal)

VI. **An Early Phase Software Project Risk Assessment Support Method for Emergent Software Organizations**

Vahidnia S., TANRIÖVER Ö. Ö., Askerzade İ.

INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.8, no.5, pp.105-118, 2017 (ESCI)

VII. **Website usability evaluation with quickly applicable guidelines: An assessment of a government website**

Tekmen F., TANRIÖVER Ö. Ö.

Global Journal of Computer Sciences: Theory and Research, vol.7, no.1, pp.8-16, 2017 (Peer-Reviewed Journal)

VIII. **Modeling and Predicting Scientific Thinking Skills of University Students Using a Data Mining Tool**

Oral O. A., TANRIÖVER Ö. Ö., Soubra M.

International journal of Informatics Technologies, vol.10, no.1, pp.89-97, 2017 (Peer-Reviewed Journal)

IX. **A Practical Mechanism for Password Change of Multiple Systems in an Organisational Setting**

Taş R., TANRIÖVER Ö. Ö.

International Journal of Information Security Science, vol.5, no.4, pp.82-89, 2016 (Peer-Reviewed Journal)

X. **An Evaluation Study of General Software Project Risk Based on Software Practitioners Experiences**

Sahand V., Tanrıöver Ö. Ö., Askerbeyli İ.

International Journal of Computer Science and Information Technology, vol.8, no.6, pp.1-13, 2016 (Peer-Reviewed Journal)

- XI. **Software Code Maintainability A Literature Review**  
ŞEREF B., TANRIÖVER Ö. Ö.  
International Journal of Software Engineering & Applications, vol.7, no.3, pp.69-87, 2016 (Peer-Reviewed Journal)
- XII. **Comparison of Document Management Systems by Meta Modeling and Workforce Centric Tuning Measures**  
Asılı H., TANRIÖVER Ö. Ö.  
International Journal of Computer Science, Engineering and Information Technology, vol.4, no.1, pp.57-67, 2014 (Peer-Reviewed Journal)

## Books & Book Chapters

- I. **An Exploration of Machine Learning Methods for Biometric Identification Based on Keystroke Dynamics**  
Filiz D., TANRIÖVER Ö. Ö.  
in: Artificial Intelligence and Machine Learning Applications in Civil, Mechanical, and Industrial Engineering, Gebrail Bekdaş , Sinan Melih Nigdeli and Melda Yücel, Editor, IGI GLOBAL, pp.259-270, 2020
- II. **An Improvement of Iterative Algebraic Reconstruction Technique by Using Bisectors: An Illustration in Computerized Tomography**  
Soubra M., TANRIÖVER Ö. Ö.  
in: Computational Vision and Bio Inspired Computing, D. Jude Hemanth S. Smys, Editor, Springer Cham, pp.758-773, 2018
- III. **UML-Based Conceptual Models and V&V**  
TANRIÖVER Ö. Ö., BİLGİN S.  
in: Conceptual Modeling for Discrete Event Simulation, Stewart Robinson , Roger Brooks , Kathy Kotiadis and Durk-Jouke Van Der Zee, Editor, CRC Press, Boca Raton, Florida, pp.383-420, 2010

## Refereed Congress / Symposium Publications in Proceedings

- I. **Prediction of Software Quality with Machine Learning-Based Ensemble Methods**  
CERAN A. A., AR Y., TANRIÖVER Ö. Ö., SEYREK CERAN S.  
4th International Engineering Research Symposium, Turkey, 4 - 06 March 2022
- II. **Skin Disease Classification using Few-Shot Meta-Transfer Learning Birkaç Atışlı Meta-Transfer Öğrenme ile Cilt Hastalığı Sınıflandırma**  
ÖZDEMİR Z., YALIM KELEŞ H., Ozgur Tanriover O.  
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- III. **Rule Placement-Based Energy-Aware Routing in SDN: Review**  
Said R. B., Tam S., TANRIÖVER Ö. Ö.  
3rd International Conference on Communication and Intelligent Systems, ICCIS 2021, Virtual, Online, 18 - 19 December 2021, vol.461, pp.1191-1204
- IV. **Çocuk acil hasta triyajında yeni bir karar destek sistemi olan ANKÜTRİAJ' ın geçerlilik ve güvenilirliğinin değerlendirilmesi**  
GÖKTUĞ A., ÇULLAS İLARSLAN N. E., VATANSEVER G., ÖZDEMİR İ., POLAT O., OĞUZ A. B., KOCA A., GENÇ S., TANRIÖVER Ö. Ö., DEMİR S., et al.  
Uluslararası katılımlı 17. ulusal çocuk acil tıp ve yoğun bakım kongresi, Antalya, Turkey, 13 - 16 October 2021
- V. **Yeni Bilgisayar Tabanlı Triage Karar Destek Aracı ANKÜTRİAJ'ın Güvenilirliğinin Ve Geçerliliğinin Değerlendirilmesi**  
KOCA A., POLAT O., OĞUZ A. B., GENÇ S., GÜNALP M., DEĞİRMENCİ S., TEKİN D., GÖKTUĞ A., KARAKILIÇ M. E.,

TANRIÖVER Ö. Ö., et al.

16. Türkiye Acil Tıp Kongresi, Turkey, 20 - 22 November 2020

- VI. **An experimental study for software quality prediction with machine learning methods**  
Ceran A. A., Tanrıöver Ö. Ö.  
2nd International Congress on Human-Computer Interaction, Optimization and Robotic Applications, HORA 2020, Ankara, Turkey, 26 - 27 June 2020
- VII. **Building A Decentralized Application on the Ethereum Blockchain**  
Tas R., TANRIÖVER Ö. Ö.  
3rd International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2019, Ankara, Turkey, 11 - 13 October 2019
- VIII. **Website usability evaluation with quickly applicable guidelines: An assessment of a government website**  
Tekmen F., TANRIÖVER Ö. Ö.  
World Conference on Computer Engineering , İstanbul, Turkey, 28 - 30 August 2017
- IX. **An Assessment of Use of Data Mining Techniques on Social Media Content For Crime Prediction**  
Tam S., TANRIÖVER Ö. Ö.  
International Conference on Theoretical and Applied Computer Science and Engineering, Ankara, Turkey, 10 - 11 November 2017
- X. **An Assessment of Recent Cloud Security Measure Proposals in Comparison to Their Support by Widely Used Cloud Service Provider**  
TANRIÖVER Ö. Ö., Soubra M.  
4th International Management Information Systems Conference, İstanbul, Turkey, 17 - 20 October 2017, pp.41
- XI. **Veri tabanı siber güvenlik tehditleri ve tespiti**  
Taş R., TANRIÖVER Ö. Ö.  
International Symposium on Industry 4.0 and Applications (ISIA 2017), Karabük, Turkey, 12 - 14 October 2017, pp.191-198
- XII. **Kullanılabilirlik uzmanları için iyileştirilmiş webuygulaması değerlendirme sistemi**  
Tekmen F., TANRIÖVER Ö. Ö.  
International Symposium on Industry 4.0 and Applications (ISIA 2017, Karabük, Turkey, 12 - 14 October 2017, pp.182-186
- XIII. **An Experimental Comparison of Software Effort Estimation Methods of ORM based 4GL Software Applications**  
Tanrıverdi M., TANRIÖVER Ö. Ö.  
2017 International Conference on Computer Science and Engineering (UBMK), Antalya, Turkey, 5 - 08 October 2017, pp.239-243
- XIV. **An Empirical Analysis of Early Object Oriented Design Metrics in Relation To Code Size**  
TANRIÖVER Ö. Ö., ERYİĞİT R.  
6th IEEE International Conference on Software Engineering and Service Science (ICSESS), Beijing, China, 23 - 25 September 2015, pp.62-65
- XV. **Investigation of the Cobit Framework's Input\Output Relationships by Using Graph Metrics**  
Ateser M., TANRIÖVER Ö. Ö.  
Federated Conference on Computer Science and Information Systems (FedCSIS), Warszawa, Poland, 7 - 10 September 2014, vol.2, pp.1269-1275
- XVI. **An inspection approach for conceptual models in notations derived from UML: A case study**  
TANRIÖVER Ö. Ö., BİLGİN S.  
22nd international symposium on computer and information sciences, Ankara, Turkey, 7 - 10 November 2007

## Metrics

Citation (WoS): 118

Citation (Scopus): 236

H-Index (WoS): 6

H-Index (Scopus): 8