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International Researcher IDs

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Publons / Web Of Science ResearcherID: F-1502-2010

ScopusID: 26658713300

Yoksis Researcher ID: 159538



Education Information

- I. Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 2001 - 2006
- II. Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Turkey 1997 - 2000

Certificates, Courses and Trainings

- I. Other, Diversity, Equity and Inclusion in the Workplace Certificate, The University of South Florida, 2021
- II. IT, CISCO Networking Academy CCNA 1: Introduction to Networks, Middle East Technical University, 2020
- III. IT, CISCO Networking Academy: CyberOps Associate, Middle East Technical University, 2020
- IV. IT, CISCO Networking Academy CCNA 3: Enterprise Networking, Security, and Automation, Middle East Technical University, 2020
- V. IT, CISCO Networking Academy CCNA 2: Switching, Routing, and Wireless Essentials, Middle East Technical University, 2020

Dissertations

- I. Doctorate, Developing a robotic education model by using dijital image processing on flexible manufacturing system, Gazi University, Fen Bilimleri Enstitüsü, 2006
- II. Postgraduate, Project concept and project of industrial technology: PC control robot system that has two axis, Gazi University, Fen Bilimleri Enstitüsü, 2000

Research Areas

Academic Titles / Tasks

- I. Professor, Ankara University, Eğitim Bilimleri Fakültesi, Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü, 2023 - Continues
- II. Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2018 - 2023
- III. Associate Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2015 - 2018
- IV. Associate Professor, Utah State University, School of Applied Sciences and Technology, Technology and Engineering Education, 2014 - 2015
- V. Associate Professor, Kırgızistan-Türkiye Manas Üniversitesi, Faculty of Engineering, Computer Engineering, 2012 - 2014
- VI. Assistant Professor, Kahramanmaraş Sutcu Imam University, Faculty of Education, Computer Education and Instructional Technology, 2007 - 2012

Courses

- I. Physical Programming, Undergraduate, 2023 - 2024

Advising Theses

- I. Tekerek M., Development of a human robot interaction application for social humanoid robots, Postgraduate, F.BAL(Student), 2024
- II. Tekerek M., Developing a LoRa based IoT application for outdoor street lighting fault detection in smart cities, Postgraduate, E.ÇELİK(Student), 2021
- III. Tekerek M., Complete coverage planning with clustering method for autonomous mobile robots, Postgraduate, H.AYDEMİR(Student), 2021
- IV. Tekerek M., Developing of a knowledge network application for digital mentoring, Postgraduate, H.BAHADIR(Student), 2019
- V. Tekerek M., Development of an interactive video annotation tool, Postgraduate, A.DAĞAOTURAN(Student), 2019
- VI. Tekerek M., Analysing Turkish academic corpus using deep learning methods in statistical natural language, Postgraduate, B.BABÜROĞLU(Student), 2019
- VII. Tekerek M., Using blockchain technology in credit transfer, Postgraduate, Z.KIYMIK(Student), 2019
- VIII. Tekerek M., Türkçe akraba dilleri arasında istatistiksel bilgisayarlı çeviri algoritmalarının uygulanması ve başarımlı testi, Postgraduate, N.TAYİROVA(Student), 2016
- IX. Tekerek M., Developing a scientific content management, evaluation and publishing system, Postgraduate, C.NURAKUNKIZI(Student), 2013
- X. Tekerek M., Information security awareness in informatics culture, Postgraduate, İ.MART(Student), 2010

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Complete coverage planning with clustering method for autonomous mobile robots**
AYDEMİR H., Tekerek M., Gök M.

- CONCURRENCY AND COMPUTATION-PRACTICE & EXPERIENCE, vol.35, no.26, 2023 (SCI-Expanded)
- II. **A New Artificial Neural Network Model for the Output Voltage and Power Predictions of Permanent Magnet Generators with Variable Air Gaps**
TEKEREK A., KURT E., Tekerek M.
ELECTRIC POWER COMPONENTS AND SYSTEMS, vol.50, no.19-20, pp.1131-1142, 2022 (SCI-Expanded)
- III. **Hadoop framework implementation and performance analysis on a cloud**
Ozen G. Z., Tekerek M., Sultanov R.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.2, pp.705-716, 2017 (SCI-Expanded)
- IV. **MATH ATTITUDES OF COMPUTER EDUCATION AND INSTRUCTIONAL TECHNOLOGY STUDENTS**
Tekerek M., Yeniterzi B., Ercan O.
TURKISH ONLINE JOURNAL OF EDUCATIONAL TECHNOLOGY, vol.10, no.3, pp.168-174, 2011 (SSCI)

Articles Published in Other Journals

- I. **Human-Robot Interaction with Social Humanoid Robots**
BAL F., TEKEREK M., PALACZ M., GÖK M., ŞİMŞİR R.
El-Cezeri Journal of Science and Engineering, vol.11, no.1, pp.94-102, 2024 (Scopus)
- II. **Development of a tree trunk diameter measurement system using 3D imaging**
KARADÖL H., GÖK M., TEKEREK M.
Black Sea Journal of Engineering and Science, vol.6, no.4, pp.583-588, 2023 (Peer-Reviewed Journal)
- III. **Performance analysis of search algorithms for path planning**
GÖK M., AKÇAM Ö. Ş., TEKEREK M.
KSÜ Mühendislik Bilimleri Dergisi, vol.26, no.2, pp.379-394, 2023 (Peer-Reviewed Journal)
- IV. **Mathematics and science integration with robotics**
TEKEREK B., AYDEMİR H., TEKEREK M.
Ordu Üniversitesi Sosyal Bilimler Enstitüsü Sosyal Bilimler Araştırmaları Dergisi, vol.13, no.1, pp.25-52, 2023 (Peer-Reviewed Journal)
- V. **The formation of Turkish metaphors in information technologies and a metaphor proposal**
ARIKOĞLU İ., Başarıcı R., TEKEREK M.
Computers and Informatics, vol.1, no.2, pp.56-73, 2021 (Peer-Reviewed Journal)
- VI. **Examining of the effect of geometric objects on slam performance using ros and gazebo Ros ve gazebo kullanılarak geometrik cisimlerin slam performansına etkisinin incelenmesi**
AYDEMİR H., Tekerek M., Gök M.
El-Cezeri Journal of Science and Engineering, vol.8, no.3, pp.1441-1454, 2021 (Scopus)
- VII. **Investigating Maraş National Struggle Regarding Values Education**
arikoğlu i., Nalçacı A., Tekerek M.
Kahramanmaraş Sütçü İmam Üniversitesi Sosyal Bilimler Dergisi, vol.17, no. Milli Mücadelenin 100. Yılında Kahramanmaraş, pp.1-15, 2020 (Peer-Reviewed Journal)
- VIII. **Developing an energy informatics application for hybrid green buildings**
Kalmis H. V., Yılmaz A. S., Tekerek M.
Journal of Energy Systems, vol.3, no.4, pp.189-205, 2019 (Scopus)
- IX. **A power circuit design for the poloidal field coils in a torus shaped plasma system**
DURSUN B., KURT E., Tekerek M.
Journal of Energy Systems, vol.3, no.3, pp.123-128, 2019 (Scopus)
- X. **Integrated instructional material and development processes**
Tekerek M., Tekerek B.
TURKISH JOURNAL OF EDUCATION, vol.7, no.3, pp.156-168, 2018 (ESCI)
- XI. **Veri görselleştirme ve infografikler**

GÜRLER A., YILMAZ A. S., TEKEREK M.

KSÜ Mühendislik Bilimleri Dergisi, vol.21, no.2, pp.131-148, 2018 (Peer-Reviewed Journal)

XII. Emotional intelligence in engineering education

Tekerek M., Tekerek B.

TURKISH JOURNAL OF EDUCATION, vol.6, no.2, pp.88-95, 2017 (ESCI)

XIII. Ethical reasoning in STEM disciplines

TEKEREK M., KARAKAYA F., TEKEREK B.

JOURNAL OF EDUCATION AND PRACTICE, vol.7, no.32, pp.82-88, 2016 (Peer-Reviewed Journal)

XIV. A Detailed Study on Routing Security for Ad Hoc Networks

VURAL Y., AYDOS M., Tekerek M.

Bilişim Teknolojileri Dergisi, vol.9, no.2, pp.171-180, 2016 (Peer-Reviewed Journal)

XV. Kırgız ve Türkiye Türkçeleri arasında istatistiksel bilgisayarlı çeviri uygulaması ve başarımlı testi

Nakılay T., TEKEREK M., BRİMKULOV U.

Manas Journal of Engineering, vol.3, no.2, pp.59-68, 2015 (Peer-Reviewed Journal)

XVI. Student's Attitudes towards Use of Tablet PC's in FATİH Project

Tekerek M., ALTAN T., GÜNDÜZ İ.

Bilişim Teknolojileri Dergisi, vol.7, no.2, pp.21-27, 2014 (Peer-Reviewed Journal)

XVII. A Research on Students' Information Security Awareness

Tekerek M., TEKEREK A.

TURKISH JOURNAL OF EDUCATION, vol.2, no.3, pp.61-70, 2013 (ESCI)

XVIII. Computer Self-efficiency of Pre-service IT Teachers

Tekerek M., Ercan O., Udum M. S., Saman K.

TURKISH JOURNAL OF EDUCATION, vol.1, no.2, pp.80-91, 2012 (ESCI)

Books & Book Chapters

I. DESIGN AND PROTOTYPING OF A ROS-BASED AUTONOMOUS MOBILE ROBOT (AMR)

GÖK M., TEKEREK M., YÜCE E., KEREM A.

in: Perspectives in Engineering, Kurt Erol, Tekerek Mehmet, Editor, NEU Press, Konya, pp.275-287, 2023

II. ROS HANDBOOK FOR AUTONOMOUS MOBILE ROBOTS

Tekerek M., Gök M., Akçam Ö. Ş., Aydemir H.

NEÜ PRESS, Konya, 2022

III. Robot Tasarımı ve Programlama

TEKEREK M., Aydemir H., Gök M.

GİLBO, İstanbul, 2020

IV. Bilimsel Araştırma Bilgisi: İnsanın Öğrenme Hali

TEKEREK M.

Mehmet Tekerek, Kahramanmaraş, 2020

V. STEM İLİŞKİLENDİRME Lİ ROBOTİK EĞİTİMİ

TEKEREK M., Aydemir H., UZUN E., TEKEREK B.

GİLBO, İstanbul, 2020

VI. Yükseköğretimde Öğretim Teknolojileri

ALTAN T., ÖRÜN Ö., TEKEREK M.

in: Yükseköğretimde Eğitimcilerin Eğitimi, Tekerek Mehmet, Sağır Mahmut, Editor, Pegem Akademi, Ankara, pp.269-282, 2020

Refereed Congress / Symposium Publications in Proceedings

I. Reinforcement learning based local path planning for mobile robot

Gök M., Tekerek M., Aydemir H.

Interdisciplinary Conference on Mechanics, Computers and Electrics, Ankara, Turkey, 27 - 28 November 2021, vol.2021, pp.197-201

II. Evaluation of Trustworthy Scrum Employment for Agile Software Development based on the Views of Software Developers

Koc G., AYDOS M., Tekerek M.

4th International Conference on Computer Science and Engineering (UBMK), Samsun, Turkey, 11 - 15 September 2019, pp.63-67

III. A descriptive study about internet use attitudes of physics teachers

Tekerek M., Ercan O., TEKEREK A.

3rd World Conference on Educational Sciences (WCES), İstanbul, Turkey, 3 - 07 February 2011, vol.15, pp.3758-3762

IV. A human robot interaction application for robotic education

Tekerek M.

World Conference on Educational Sciences, Nicosia, CYPRUS, 4 - 07 February 2009, vol.1, pp.2164-2169

Supported Projects

- I. Tekerek M., TUBITAK Project, Development of Robotic Process Automation for Production Planning and Line Balancing Activities, 2022 - 2024
- II. Tekerek M., Tekerek A., Kurt E., Erasmus Project, Robot Cooperation "RoboCoop, 2022 - 2024
- III. Tekerek M., Embassy Grant Program Project, STE(A)M Unites Us!, 2021 - 2023
- IV. Tekerek M., Development Agency, Kahramanmaraş Yapay Zekâ Sözel Veri Etiketleme Merkezi Fizibilite Projesi, 2021 - 2022
- V. Tekerek M., Development Agency, Kahramanmaraş Academy for Fashion and Design, 2020 - 2022
- VI. Tekerek M., Erasmus Project, Education 4.0 for Youth, 2020 - 2022
- VII. Tekerek M., Project Supported by Higher Education Institutions, Digital Infrastructre for Teacher Training, 2019 - 2019
- VIII. Tekerek M., Yılmaz A. S., Project Supported by Higher Education Institutions, Control and Management of Industrial Engines with the Internet of Things Techniques, 2018 - 2019
- IX. Tekerek M., Project Supported by Higher Education Institutions, Turkish academic corpus analysis using deep learning methods in statistical natural language processing, 2017 - 2019
- X. Tekerek M., Embassy Grant Program Project, Today's Children are Tomorrow's Inventors (STEM for Girls), 2017 - 2018
- XI. Tekerek M., Project Supported by Higher Education Institutions, Integrated Instructional Material as STEM Integration Tool, 2017 - 2018
- XII. Tekerek M., Project Supported by Higher Education Institutions, Ethical Reasoning in STEM Fields, 2016 - 2016
- XIII. Tekerek M., Project Supported by Higher Education Institutions, The Effect of Personality Dimensions of Teacher Candidates on Their Attitudes towards Teaching, 2016 - 2016
- XIV. Tekerek M., Universities of Other Countries Supported Project, Developing a Scientific Content Management Refereeing and Publishing System, 2013 - 2013
- XV. Tekerek M., Project Supported by Higher Education Institutions, Development of KSU Solar Car ISTIKLAL, 2011 - 2012
- XVI. Tekerek M., Project Supported by Higher Education Institutions, Information Security Awareness in Informatics Culture, 2010 - 2011

Activities in Scientific Journals

- I. COMPUTERS AND INFORMATICS, First Editor, 2021 - Continues
- II. TURKISH JOURNAL OF EDUCATION, First Editor, 2012 - 2021

Scientific Consultations

- I. Personal Data Protection Authority, Scientific Consultancy, Ankara University, Eğitim Bilimleri Fakültesi, Bilgisayar ve Öğretim Teknolojileri Eğitimi Bölümü, Turkey, 2019 - 2020

Metrics

Publication: 32
Citation (WoS): 40
Citation (Scopus): 31
H-Index (WoS): 4
H-Index (Scopus): 3

Coaching Duties

Refereeing Duties

Non Academic Experience

- I. Technology Development Zone, Kahramanmaraş Technokent Management Co., Kahramanmaraş Technokent Management Co.
- II. KİŞİSEL VERİLERİ KORUMA KURUMU
- III. MİLLİ EĞİTİM BAKANLIĞI