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International Researcher IDs

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Publons / Web Of Science ResearcherID: GXV-0424-2022

ScopusID: 57362188500

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Education Information

Doctorate, Hacettepe University, Eğitim Bilimleri Enstitüsü, Bilgisayar Ve Öğretim Teknolojileri Eğitimi A.B.D., Turkey 2022 - Continues

Postgraduate, Kahramanmaraş Sutcu Imam University, Institute Of Science, Department Of Informatics (Interdisciplinary), Turkey 2019 - 2022

Undergraduate, Hacettepe University, Eğitim Fakültesi, Bilgisayar Ve Öğ.Tek.Eği. Bölümü, Turkey 2013 - 2017

Certificates, Courses and Trainings

IT, CCNA Discovery: Networking for Home and Small Businesses, Kahramanmaraş Technical High School, 2012

Dissertations

Postgraduate, Complete coverage planning with clustering method for autonomous mobile robots, Kahramanmaraş Sutcu Imam University, Institute Of Science, Department Of Informatics (Interdisciplinary), 2021

Research Areas

Information Technologies, Computer Education and Instructional Technology, Information Systems, Communication and Control Engineering, Robotics and Mechatronics Systems, Field and Service Robots, Computer Vision, algorithms, Computer Graphics, Augmented Reality, Information Visualization, Computer Graphics, Virtual Reality, Computer Vision, 3D Impressions, Computer Learning, Human Computer Interaction, Pattern Recognition and Image Processing, Software, Operating Systems, Programming Languages, Engineering and Technology

Academic Titles / Tasks

Lecturer, Yozgat Bozok University, Boğazlıyan Vocational School, Bilgisayar Teknolojileri, 2022 - Continues

Academic and Administrative Experience

Assistant Manager of Research and Application Center, Yozgat Bozok University, Distance Education Application and Research Center, 2023 - Continues

Courses

Undergraduate

Fundamentals of Cyber Security, Undergraduate, 2023 - 2024

Associate Degree

Game Design and Programming, Associate Degree, 2022 - 2023

Information and Communication Technologies, Associate Degree, 2022 - 2023

Web Design Fundamentals, Associate Degree, 2023 - 2024

Foundations of Cyber Safety, Associate Degree, 2022 - 2023

Cyber Security Fundamentals, Associate Degree, 2022 - 2023

Advanced Software Techniques, Associate Degree, 2023 - 2024

Cyber Security Fundamentals, Associate Degree, 2022 - 2023

Mobile Programming, Associate Degree, 2022 - 2023

Advanced Internet Programming, Associate Degree, 2023 - 2024

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 and Experience, vol.35, no.26, 2023 (SCI-Expanded)

Articles Published in Other Journals

- I. **Mathematics and Science Integration with Robotics**
Tekerek B., Aydemir H., Tekerek M.
Ordu Üniversitesi Sosyal Bilimler Enstitüsü Sosyal Bilimler Araştırmaları Dergisi, vol.13, no.1, pp.1-28, 2023 (Peer-Reviewed Journal)
- II. **Examining of the Effect of Geometric Objects on SLAM Performance Using ROS and Gazebo**
Aydemir H., Tekerek M., Gök M.
El-Cezeri Journal of Science and Engineering, vol.8, no.3, pp.1444-1451, 2021 (Scopus)

Books

- I. **Mobil Oyunların Kullanılabilirlik Değerlendirmesi: Türkçe Sözlük Oyunu Örneği**
AYDEMİR H., GÖNCÜ A., KOYUNCU B., TÜZÜN H.
in: Eğitim Teknolojileri Okumaları 2023, , Editor, Pegem Akademi, Ankara, pp.375-395, 2023
- II. **Otonom Mobil Robotlar İçin ROS El Kitabı**
Tekerek M., Gök M., Aydemir H.
NEÜ Yayınları, Konya, 2022
- III. **Robot Tasarımı ve Programlama**
Tekerek M., Aydemir H., Gök M.
Gilbo, İstanbul, 2020
- IV. **STEM Associated Robotics Education**
Tekerek M., Aydemir H., Uzun E., Tekerek B.

Papers Published in Refereed Scientific Meetings

I. Digital game development processes and an educational game example

Aydemir H., Tekerek M.

EDUCCON 2022 Digital Competence & STE(A)M Education, Kahramanmaraş, Turkey, 24 - 25 March 2022, pp.88-96

II. Reinforcement learning based local path planning for mobile robot

Tekerek M., Aydemir H.

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

Supported Projects

Aydemir H., Tekerek M., Eren A. S., Erasmus Project, Education 4.0 for Youth, 2021 - 2022

Tekerek M., Eren A. S., Aydemir H., Development Agency, Kahramanmaraş Artificial Intelligence Verbal Data Labelling Centre Feasibility Project, 2021 - 2022

Aydemir H., Tekerek M., Eren A. S., Development Agency, Kahramanmaraş Fashion and Design Academy, 2020 - 2022

Activities in Scientific Journals

Computers and Informatics, Assistant Editor/Section Editor, 2020 - Continues

Scientific Project Refereeing

Technopark, May 2023

Technopark, December 2022

Tasks In Event Organizations

Aydemir H., International Symposium on Advanced Engineering Technologies (ISADET), Scientific Congress, Kahramanmaraş, Turkey, Haziran 2022

Aydemir H., EDUCCON 2022 Digital Competence & STE(A)M Education, Scientific Congress, Kahramanmaraş, Turkey, Mart 2022

Aydemir H., EDUCCON 2020 Empower Teaching Studies, Scientific Congress, Kahramanmaraş, Turkey, Aralık 2020