

Lect. MUHAMMET CİHAT MUMCU

Personal Information

Email: mcmumcu@gelisim.edu.tr

Web: <https://avesis.gelisim.edu.tr/mcmumcu>

International Researcher IDs

ORCID: 0000-0001-8097-7214

Publons / Web Of Science ResearcherID: GOP-0382-2022

Yoksis Researcher ID: 248659

Education Information

Doctorate, Yildiz Technical University, Fen Bilimleri Enstitüsü, Elektronik (Dr), Turkey 2022 - Continues

Postgraduate, Maltepe University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), Turkey 2015 - 2018

Undergraduate, Gaziantep University, Mühendislik Fakültesi, Elektrik-Elektronik Mühendisliği Bölümü, Turkey 2009 - 2015

Foreign Languages

English, C1 Advanced

Dissertations

Postgraduate, N. dereceden gerilim/akım transfer fonksiyonlarının CFA kullanılarak gerçekleştirilmesi, Maltepe University, Fen Bilimleri Enstitüsü, Elektrik-Elektronik Mühendisliği (YI) (Tezli), 2018

Research Areas

Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Circuit Theory, Electronic Circuits, Passive Circuit Components, Cables, Switches and Connectors

Academic Titles / Tasks

Lecturer, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, ELECTRICS, 2022 - Continues

Research Assistant, Maltepe University, Faculty Of Engineering And Natural Sciences, Department Of Electrical And Electronics Engineering, 2016 - 2022

Academic and Administrative Experience

Assistant Director of Vocational School, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, 2024 - Continues

Head of Department, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, ELECTRICS, 2024 - Continues

Program Başkanı, Istanbul Gelisim University, ISTANBUL GELISIM VOCATIONAL SCHOOL, ELECTRICS, 2022 - Continues

Courses

Doğru Akım Devreleri, Associate Degree, 2024 - 2025
Microcontrollers, Undergraduate, 2022 - 2023
Installation Knowledge, Associate Degree, 2023 - 2024
Fundamentals of Electric I, Undergraduate, 2023 - 2024
Digital Electronics, Associate Degree, 2022 - 2023
Digital Systems III, Undergraduate, 2022 - 2023
Microprocessors, Undergraduate, 2022 - 2023
Digital Systems II, Undergraduate, 2022 - 2023
Fundamentals of Electronics, Associate Degree, 2022 - 2023
BİLGİSAYAR DESTEKLİ DEVRE TASARIMI, Associate Degree, 2021 - 2022

Articles Published in Other Journals

- I. Parallel Implementation of the GPR Techniques for Detecting and Mapping Ancient Buildings by Using CUDA**
MUMCU M. C., BAYAR S.
Avrupa Bilim ve Teknoloji Dergisi, pp.352-359, 2020 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Performance Analysis of Artificial Neural Networks in the Diagnosis of Thyroid Diseases**
MUMCU M. C., AYKUT E., BENLİ S. N., ERDOĞAN K., YAVUZ İ.
International Conference on Advances in Electrical-Electronics Engineering and Computer Science (ICEECS 2024), Ankara, Turkey, 9 - 10 November 2024
- II. ÜÇ FAZLI ASENKRON MOTORUN PLC VE HMI İLE MODBUS ÜZERİNDEN KONTROLÜ**
AYKUT E., ERDOĞAN K., YAVUZ İ., MUMCU M. C., BENLİ S. N.
Ases III. International Bandırma Scientific Studies Conference, Balıkesir, Turkey, 11 - 13 October 2024, pp.102
- III. Low Power Consumption Data Security Implementation for Artificial Intelligence Based Smart Systems**
Mumcu M. C., İkinci B., Öztürk E., Ataş K., Güngör A.
Engineering Science and Technology, Durres, Albania, 4 - 06 September 2024, pp.3
- IV. Performance Analysis of Deep Learning Algorithms for Classification of EEG Signals**
Mumcu M. C., İkinci B., Öztürk E., Ataş K., Güngör A.
Engineering Science and Technology, Durres, Albania, 4 - 06 September 2024, pp.12
- V. Ladder Diyagramı İle Arduino Programlama**
Yavuz İ., Benli S. N., Mumcu M. C., Erdoğan K.
Ases International Bandırma Scientific Studies Conference, Balıkesir, Turkey, 27 - 29 October 2023, pp.167
- VI. Karbon Ayak İzi ve İklim Değişikliği**
TAŞ S., AYKUT E., MUMCU M. C., ERDOĞAN K., ÇETİNKAYA A., TOMBAL N. Y., YAVUZ İ.
4th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 November 2022, pp.13-14
- VII. Karbon Ayak İzi ve İklim Değişikliği**

Taş S., Aykut E., Mumcu M. C., Erdoğan K., Çetinkaya A., Tombal N. Y., Yavuz İ.

4th International Conference on Applied Engineering and Natural Sciences, Konya, Turkey, 10 - 13 November 2022, vol.1, pp.13-14

- VIII. **An FDTD modeling of GPR for Detecting and Mapping Archeological Sites**
MUMCU M. C., YAVUZ İ., AYKUT E., TAŞ S.
International Conferences on Science and Technology (ICONST), Budva, Montenegro, 07 September 2022
- IX. **RISC-V Üzerinde Hafif Siklet Kriptografik Algoritmaların Performans Değerlendirmesi**
MUMCU M. C., ÇİÇEK İ., BAYAR S.
30. IEEE SİNYAL İŞLEME VE İLETİŞİM UYGULAMARI KURULTAYI, Karabük, Turkey, 15 - 18 May 2022
- X. **Performance Evaluation of Lightweight Cryptographic Algorithms on RISC-V RISC-V Üzerinde Hafif Siklet Kriptografik Algoritmaların Performans Değerlendirmesi**
Mumcu M. C., Cicek I., BAYAR S.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- XI. **Performance Analysis of Advanced Encryption Standard Algorithm using Parallel Computing for Embedded Systems**
MUMCU M. C., TATAR G.
INTERNATIONAL CONFERENCES ON SCIENCE AND TECHNOLOGY, Budva, MONTENEGRO, KARADAĞ, 08 September 2021
- XII. **TEA Encyription Algorithms Design and Applications**
MUMCU M. C., YÜCEL U. O.
5. Uluslararası Multidisipliner Çalışma Kongresi, Antalya, Turkey, 2 - 03 November 2018
- XIII. **N. Dereceden Gerilim Transfer Fonksiyonlarının Akım Geribeslemeli Kuvvetlendirici Kullanılarak Gerçekleştirilmesi**
MUMCU M. C., ANDAY A. F.
3. Uluslar Arası Multidisipliner Çalışma Kongresi, KIEV, Ukraine, 5 - 06 October 2018
- XIV. **Realization of Nth order Current Transfer Functions Using CFA**
MUMCU M. C., ANDAY A. F.
International Conference On Science And Technology, Prizren, Serbia, 5 - 09 September 2018
- XV. **OPERATIONAL FEASIBILITY STUDY OF AUTONOMOUS VEHICLES IN TURKEY**
AKSOY L., AKAN ÖZKÖK G., YARDIMCI İ., MUMCU M. C.
14th INTERNATIONAL LOGISTICS AND SUPPLY CHAIN CONGRESS, 1 - 02 December 2016