



## Assoc. Prof. Dr. DOĞU ÇAĞDAŞ ATILLA

Mahmutbey Technology Campus  
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### EDUCATIONAL INFORMATION

Degree	University	Department	Year(s)
Doctoral Degree	Istanbul University	Electrical-electronic Engineering (Phd)	2011 - 2017
Master's Degree	Istanbul University	Electrical-electronics Engineering (Master's) (with Thesis)	2008 - 2011
Bachelor's Degree	Istanbul University	Department of Physics	2004 - 2008

### RESEARCH AREAS

### ACADEMIC DUTIES

Duty	University	Area	Year(s)
Associate Professor	Altinbas University	Department of Electrical and Electronics Engineering	2023 -
Doctor Faculty Member	Altinbas University	Department of Electrical and Electronics Engineering	2017 -
Teaching Assistant	University of Light	Department of Medical Services and Techniques	2012 - 2017

### ADMINISTRATIVE DUTIES

Duty	University	Year(s)
Institute Director	Altinbas University	2022 -
Intellectual and Industrial Rights Commission	Altinbas University	2022 -
Board Member of Electric, Autonomous and Unmanned Vehicles Application and Research Center	Altinbas University	2021 -
Accreditation Studies Commission	Altinbas University	2021 -
Employee Satisfaction Committee	Altinbas University	2021 -
Internationalization Commission	Altinbas University	2021 -
Graduate Graduation Commission	Altinbas University	2021 -
Research Uyg. Center Assistant Director	Altinbas University	2021 -
Member of The Institute Board of Directors	Altinbas University	2020 -
Head of Department	Altinbas University	2020 -
Faculty Board Membership	Altinbas University	2018 - 2021
Education Coordinator	Altinbas University	2018 - 2021

### ACADEMIC AND PROFESSIONAL MEMBERSHIPS

Organisation	Membership	Year(s)
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### NON-UNIVERSITY EXPERIENCE

Country	Organisation	Duty	Year(s)
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## BOOKS

### National Technology Initiative

ERHAN ÇAĞRI, BAŞTÜRK SÜLEYMAN, ATILLA DOĞU ÇAĞDAŞ, ATA OĞUZ, AĞMA ONUR  
TÜRKİYE BİLİMLER AKADEMİSİ, 978-625-8352-16-0, 2022

Scientific Book Chapter(s)

### Millî Teknoloji Hamlesi

ERHAN ÇAĞRI, BAŞTÜRK SÜLEYMAN, ATILLA DOĞU ÇAĞDAŞ, ATA OĞUZ, AĞMA ONUR  
TÜRKİYE BİLİMLER AKADEMİSİ, 978-625-8352-16-0, 2022

Scientific Book Chapter(s)

## ARTICLES

### SICAKLIK VE GÜNEŞ IŞINIM DEĞİŞİMLERİNİN FOTOVOLTAİK SİSTEMLER ÜZERİNDEKİ ETKİLERİ

ASWAD Ali Mahmood Aswad, AYDIN ÇAĞATAY, FARAZADİ Murtaza, ATILLA DOĞU ÇAĞDAŞ  
AURUM MÜHENDİSLİK SİSTEMLERİ VE MİMARLIK DERGİSİ, 2023

International

### Human Activity Detection Using Smart Wearable Sensing Devices with Feed Forward Neural Networks and PSO

Al-Hassani Raghad Tariq, ATILLA DOĞU ÇAĞDAŞ  
MDPI Applied Sciences, 2023

International DOI: 10.3390/app13063716

### Design of compact UWB antenna based on FSSIR feeder

JAMEEL MARYAM, MEZAAL YAQeen, ATILLA DOĞU ÇAĞDAŞ  
OPTOELECTRONICS AND ADVANCED MATERIALS – RAPID COMMUNICATIONS, 2023

International

### Intrusion Detection System Through Deep Learning in Routing MANET Networks

Abbood Zainab Ali, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY  
Computers, Materials and Continua (Tech Science Press), 2023

International DOI: 10.32604/iasec.2023.035276

### Enhancement of the performance of MANET using machine learning approach based on SDNs

Abbood Zainab Ali, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY  
OPTIK, 2023

International DOI: 10.1016/j.ijleo.2022.170268

### Miniaturized Coplanar Waveguide-Fed UWB Antenna for Wireless Applications

JAMEEL MARYAM, MEZAAL YAQeen, ATILLA DOĞU ÇAĞDAŞ  
MDPI Symmetry, 2023

International DOI: 10.3390/sym15030633

### Miniaturized flexible metamaterial antenna of circularly polarized high gain bandwidth product for radio frequency energy harvesting

Alaukally Malak Naem Nashoor, Elwi Taha, ATILLA DOĞU ÇAĞDAŞ  
International Journal of Communication Systems, 2022

International DOI: 10.1002/dac.5024

### TETRA baz istasyonları arasında frekans planlaması

YILMAZ Şakir, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ  
Niğde Ömer Halisdemir Üniversitesi (NÖHÜ) Mühendislik Bilimleri Dergisi, 2022

National DOI: 10.28948/ngumuh.1017751

### Ultra-Wide-Band Microstrip Patch Antenna Design for Breast Cancer Detection

AlOmairi Adel, ATILLA DOĞU ÇAĞDAŞ  
Electrica, 2022

National DOI: 10.5152/electrica.2021.21053

## ARTICLES

### **A novel vision for mathematical model between electromagnetic radiation and thermodynamic parameters in biochemistry frame**

AL-Sabti Saif, ATILLA DOĞU ÇAĞDAŞ

Applied Nanoscience, 2021

**International** DOI: 10.1007/s13204-021-01989-z

### **Development of High Accuracy Classifier for the Speaker Recognition System**

Al-Hassani Raghad Tariq, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY

Applied Bionics and Biomechanics, 2021

**International** DOI: 10.1155/2021/5559616

### **Producing secure multimodal biometric descriptors using artificial neural networks**

ATILLA DOĞU ÇAĞDAŞ, Alzuhairi Raghad Saeed Hasan, AYDIN ÇAĞATAY

IET Biometrics, 2021

**International** DOI: 10.1049/bme2.12008

### **Extending Wireless Sensor Networks' Lifetimes Using Deep Reinforcement Learning in a Software-Defined Network Architecture**

Abbood Zainab Ali, Mahmoud Mahmoud Shukr, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, Al-saadi Bassem G.

Academic Platform Journal of Engineering and Smart Systems, 2021

**National** DOI: 10.21541/apjes.687496

### **Design of a Meander Line Monopole Antenna Array Based Hilbert-Shaped Reject Band Structure for MIMO Applications**

Al-Dulaimi Zainab, Elwi Taha A, ATILLA DOĞU ÇAĞDAŞ

IETE Journal of Research, 2020

**International** DOI: 10.1080/03772063.2020.1743207

### **Tuning of Pid Controller for Four-Area Load Frequency Control Using Elephant Herding Optimization**

ALHAYANI Firas, JABER Aqeel, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ

AURUM Journal of Engineering Systems and Architecture (A-JESA), 2020

**National**

### **PERFORMANCE STUDY OF FOUR EQUALIZATION TECHNIQUES OVER A WIRELESS COMMUNICATION CHANNEL**

ELASYRİ Anwr, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY

European Journal of Technic, 2020

**National** DOI: 10.36222/ejt.573483

### **SOFTWARE SIMULATION FOR 20Gbps RoF ARCHITECTURE OVER SSMF USING VCSEL AND RZ AS MODULATION FORMAT BASED ON WDM**

Hussien Humam, ATILLA DOĞU ÇAĞDAŞ, Essa Essa, AYDIN ÇAĞATAY

AURUM Mühendislik Sistemleri ve Mimarlık Dergisi (A-JESA), 2019

**National**

### **LIBYAN PROGRAM FOR INTEGRATION AND DEVELOPMENT WEB SYSTEM PERFORMANCE ASSESSMENT USING NEURAL NETWORK**

ABORISHA GAFFALA, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY

AURUM Journal of Engineering Systems and Architecture (A-JESA), 2019

**National**

### **Transmission (2Gbps) over optical fiber cable by using radio over fiber and wavelength division multiplexing techniques**

Hussien Humam, Essa Essa, ATILLA DOĞU ÇAĞDAŞ

Tikrit Journal of Pure Science, 2019

**International** DOI: 10.25130/j.v24i5.877

## ARTICLES

### **A Design Technique of 50 Ohm Terminated Bandpass Matching Network and Its Implementation to a Y Shaped Monopole Antenna Matching**

AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KÖPRÜ RAMAZAN, KILINÇ SEDAT, KARAKUŞ CAHİT, YARMAN BEKİR SİDDİK BİNBOĞA

ANALOG INTEGRATED CIRCUITS AND SIGNAL PROCESSING, 2016

**International** DOI: 10.1007/s10470-016-0768-3

### **Computer Aided Darlington Synthesis of an All Purpose Immittance Function**

YARMAN BEKİR SİDDİK BİNBOĞA, AKSEN AHMET, KÖPRÜ RAMAZAN, KUMAR NARENDRA, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, CHACKO PRAKASH

IU-Journal of Electrical & Electronics Engineering, 2016

**National**

### **Ultra wideband matching network design for a V shaped square planar monopole antenna**

KÖPRÜ RAMAZAN, KILINÇ SEDAT, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KARAKUŞ CAHİT, YARMAN BEKİR SİDDİK BİNBOĞA

International Journal of Microwave and Wireless Technologies, 2014

**International** DOI: 10.1017/S1759078714001081

### **An eclectic approach to design tunable amplifiers**

NESİMOĞLU TAYFUN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KÖPRÜ RAMAZAN, YARMAN BEKİR SİDDİK BİNBOĞA

International Journal of RF and Microwave Computer-Aided Engineering, 2013

**International** DOI: 10.1002/mmce.20732

## PROCEEDINGS

### **High-Frequency Waves of The Fifth Generation and Their Effects on The Head and Their Consequences for New Perspectives**

AL-Sabti Saif, Mohammed Alaa Hamid, Mustafa Ali, Saadi Abdulrahman Maadh, Abdulateef Aqeel Nafea, ATILLA DOĞU ÇAĞDAŞ

2023 7th International Symposium on Innovative Approaches in Smart Technologies (ISAS), 2023

**International**

### **Multi-agents Path Planning for a Mobile Robot in a Dynamic Warehouse Environment**

Alhassow Mustafa Mohammed, ATA OĞUZ, ATILLA DOĞU ÇAĞDAŞ

ICCIDA: International Conference on Computing, Intelligence and Data Analytics, 2022

**International**

### **A Survey on Intrusion Detection System in Ad Hoc Networks Based on Machine Learning**

Abbood Zainab Ali, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, Mahmoud Mahmoud Shuker

2021 International Conference of Modern Trends in Information and Communication Technology Industry (MTICTI), 2021

**International**

### **Nonholonomic path planning for a mobile robot based on Voronoi and Q-Learning algorithm**

Alhassow Mustafa Mohammed, ATA OĞUZ, ATILLA DOĞU ÇAĞDAŞ

1st INTERNATIONAL CONFERENCE ON COMPUTING AND MACHINE INTELLIGENCE, 2021

**International**

### **Big data interoperability measurements and decision making**

Elsaghair Weiam, ATILLA DOĞU ÇAĞDAŞ

1st INTERNATIONAL CONFERENCE ON COMPUTING AND MACHINE INTELLIGENCE, 2021

**International**

### **Car-Like Robot Path Planning Based on Voronoi and Q-Learning Algorithms**

Alhassow Mustafa Mohamed, ATA OĞUZ, ATILLA DOĞU ÇAĞDAŞ

2021 International Conference on Engineering and Emerging Technologies (ICEET), 2021

**International**

## PROCEEDINGS

### **Decision Support System for Operational, Financial, Performance and Risk Indicators of Maturity Models over Cloud-Based Software**

ŞEN NERİMAN, ATILLA DOĞU ÇAĞDAŞ, KARAN OĞUZ

2021 International Conference on Engineering and Emerging Technologies (ICEET), 2021

International

### **A Compact Coplanar Waveguide Fed UWB Antenna for Energy Harvesting Applications**

JAMEEL MARYAM, MEZAAL YAQEEEN, ATILLA DOĞU ÇAĞDAŞ, HUSSEIN EHAB

2021 International Conference on Engineering and Emerging Technologies (ICEET), 2021

International

### **Wireless Body Region Networks Abnormality Identification And Energy Saving A Study**

Al-Sabti Saif Mohamed Baraa, Abdulateef Alaa Amjed, ATILLA DOĞU ÇAĞDAŞ, Mohammed Alaa Hamid

2020 4th International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), 2020

International

### **A New Hybrid Architecture of Radio over Fiber/Wavelength Division Multiplexing in Optical Network**

Hussien Humam, ATILLA DOĞU ÇAĞDAŞ, Essa Essa, AYDIN ÇAĞATAY

2019 International Conference on Computing and Information Science and Technology and Their Applications (ICCISTA), 2019

International

### **Design of Adaptive controller for Regulating the Voltage by a Dynamic Voltage Restorer DVR**

Abdulzeez Saud N., ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY

2019 2nd International Conference on Electrical, Communication, Computer, Power and Control Engineering (ICECCPCE), 2019

International

### **Size Reduction Technique of Microstrip Patch Antenna Using Saw Teeth Slots**

SAADI MUSTAFA, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ

2018 18th Mediterranean Microwave Symposium (MMS), 2018

International

### **Design of Fractal Based Monopole Antenna Array with Ultra-Mutual Coupling Reduction for MIMO Applications**

ALDULAIMI ZAINAB, ELWI TAHA, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY

2018 18th Mediterranean Microwave Symposium (MMS), 2018

International

### **The Analysis of Variation in Plate Geometry for Capacitive Power Transfer Pads Utilized in Electric Vehicles**

NOOR ATIYAH, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, YASIR MUKHLIF

2018 18th Mediterranean Microwave Symposium (MMS), 2018

International

### **Design and realization of 8-12 GHz cascaded unit element microstrip filter for X-band**

KÖPRÜ RAMAZAN, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, KILINÇ SEDAT, YARMAN BEKİR SİDDİK BİNBOĞA

2016 16th Mediterranean Microwave Symposium (MMS), 2016

International

### **Transformerless bandpass matching network design for Y-shaped monopole antenna**

AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, CAHİT KARAKUŞ, KÖPRÜ RAMAZAN, YARMAN BEKİR SİDDİK BİNBOĞA

ELECO 2015, The 9th "International Conference on Electrical and Electronics Engineering, 2015

International

### **Wideband bandpass filter design for X band horn antenna via numerical techniques**

KÖPRÜ RAMAZAN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KILINÇ SEDAT, YARMAN BEKİR SİDDİK BİNBOĞA

2015 IEEE 15th Mediterranean Microwave Symposium (MMS), 2015

International

### **A high precision cascade synthesis technique for real frequency matching involving Brune and Darlington Type-C sections**

YARMAN BEKİR SİDDİK BİNBOĞA, AKSEN AHMET, KÖPRÜ RAMAZAN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ

Proceedings of 2014 Mediterranean Microwave Symposium (MMS2014), 2014

International

## PROCEEDINGS

### **Design of tunable amplifier using digital capacitors**

ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, NESİMOĞLU TAYFUN, KÖPRÜ RAMAZAN, AKSEN AHMET, YARMAN BEKİR SİDDİK BİNBOĞA

Proceedings of 2014 Mediterranean Microwave Symposium (MMS2014), 2014

International

### **Computer Aided High Precision Darlington Synthesis for Real Frequency Matching**

YARMAN BEKİR SİDDİK BİNBOĞA, AKSEN AHMET, KÖPRÜ RAMAZAN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ  
2014 IEEE Benjamin Franklin Symposium on Microwave and Antenna Sub-Systems, Radar, Telecommunications, and Biomedical Applications, Philadelphia, Pennsylvania, USA, 2014

International

### **A frequency tunable broadband amplifier utilizing tunable capacitors and inductors**

NESİMOĞLU TAYFUN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, YARMAN BEKİR SİDDİK BİNBOĞA  
2013 Conference on Microwave Techniques (COMITE), 2013

International

### **A tunable inductance topology to realize frequency tunable matching networks and amplifiers**

ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, KÖPRÜ RAMAZAN, NESİMOĞLU TAYFUN, YARMAN BEKİR SİDDİK BİNBOĞA

2013 IEEE International Symposium on Circuits and Systems (ISCAS2013), 2013

International

### **Design and investigation of 12-50 Ohm tunable microstrip impedance transforming filter**

AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KIZILBEY OĞUZHAN, KÖPRÜ RAMAZAN, NESİMOĞLU TAYFUN, YARMAN BEKİR SİDDİK BİNBOĞA

2013 13th Mediterranean Microwave Symposium (MMS), 2013

International

### **Wideband matching network design for a V-shaped square monopole antenna using Real Frequency Technique**

KÖPRÜ RAMAZAN, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KARAKUŞ CAHİT, YARMAN BEKİR SİDDİK BİNBOĞA

2013 13th Mediterranean Microwave Symposium (MMS), 2013

International

### **Güç Transistörü Seçiminde Karar Desteği Modeli**

ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, Bal Emrah, ZAIM GÖKBAY İNCİ, YARMAN BEKİR SİDDİK BİNBOĞA  
3. İleri Teknolojiler Çalıştayı, 2012

National

### **Analysis of Coupling Plate Effect in Closer Proximity of TEM Horn Antenna**

KARAKUŞ CAHİT, Yurt Cihat, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, YARMAN BEKİR SİDDİK BİNBOĞA  
MMS2012 12th Mediterranean Microwave Symposium, Doğu University, 2012

International

### **Design of data communication antennas for high speed trains**

CAHİT KARAKUŞ, ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, KÖPRÜ RAMAZAN, YARMAN BEKİR SİDDİK BİNBOĞA  
MMS2012 12th Mediterranean Microwave Symposium, Doğu University, Istanbul (Turkey), 2012

International

### **Analysis of EM Sources Behavior in Closer Proximity**

KARAKUŞ CAHİT, BOLCAL ERTUĞRUL CEM, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, KÖPRÜ RAMAZAN, YARMAN BEKİR SİDDİK BİNBOĞA

MMS2012, 12th Mediterranean Microwave Symposium, Doğu University, Istanbul/Turkey, 2012

International

## PROCEEDINGS

### Design of tunable matching networks over 800-5200 MHz using real frequency techniques

ATILLA DOĞU ÇAĞDAŞ, AYDIN ÇAĞATAY, NESİMOĞLU TAYFUN, CHACKO PRAKASH, YARMAN BEKİR SİDDİK BİNBOĞA

2011 IEEE Applied Electromagnetics Conference (AEMC), 2011

International

### Ultra wideband square planar monopole antenna with V-shaped coupling elements

KARAKUŞ CAHİT, AYDIN ÇAĞATAY, ATILLA DOĞU ÇAĞDAŞ, NESİMOĞLU TAYFUN, YARMAN BEKİR SİDDİK BİNBOĞA

2011 Indian Antenna Week (IAW), 2011

International

## PROJECTS

### Telsiz Haberleşme Sistemleri için Yükselteç Tasarlanması (Researcher)

Scientific research project supported by Higher Education Institutions, 30.03.2012 - 30.03.2013

National Completed

### Genişband Mikrodalga Yükselteç Tasarımı İçin Yazılım Paketi Geliştirilmesi ve Yükselteç Üretimi (Researcher)

Research Project, 28.01.2015 - 28.01.2016

National Completed

### Geniş Bant Mikrodalga Kuvvetlendirici Tasarımı (Executive)

Scientific research project supported by Higher Education Institutions, 23.03.2014 - 23.03.2016

National Completed

### İstanbul Üniversitesi Bilimsel Araştırmalarının Patentlenmesi (Researcher)

Scientific research project supported by Higher Education Institutions, 21.08.2013 - 21.08.2016

National Completed

### Yüksek Faydalı Yük Taşıma Kabiliyetli Bir İnsansız Hava Aracının Gövdesi ve Aviyonik Sistemlerinin Tasarımı ve Analizi (Executive)

Scientific research project supported by Higher Education Institutions, 21.02.2021 - 30.11.2021

National Completed

### Genişbant Kablosuz Haberleşme Sistemleri İçin Yükselteç Tasarımı (Researcher)

Scientific research project supported by Higher Education Institutions, 19.08.2013 - 19.08.2015

National Completed

### Geniş Bantlı Ayarlanabilir Mikrodalga Yükselteç Tasarımı Tez Projesi (Executive)

Scientific research project supported by Higher Education Institutions, 15.11.2013 - 15.11.2015

National Completed

### Geniş Bant Mikrodalga Kuvvetlendiricinin Yarı Analitik Yöntem Kullanılarak Tasarımı (Researcher)

Scientific research project supported by Higher Education Institutions, 15.10.2011 - 15.10.2014

National Completed

### EVA-2 Elektrikli Araç Geliştirilmesi Projesi (Project Coordinator Assistant)

Scientific research project supported by Higher Education Institutions, 11.02.2020 - 27.08.2020

National Completed

### Geniş Bantlı Ayarlanabilir Mikrodalga Anten Uyumlaştırma Devresi Tasarımı (Advisor)

Scientific research project supported by Higher Education Institutions, 05.03.2014 - 05.03.2016

National Completed

### Frekans Ayarlanabilir ve Yüksek Verimliliğe Sahip Yükselteç Tasarımı Karakterizasyonu ve Üretimi (Scholar)

Tübitak 1001, 01.09.2010 - 01.09.2013

National Completed

## PROJECTS

**Eş Uzunluklu İletim Hatlarıyla Optimum Topolojiye Sahip Mikrodalga Devre Tasarım ve Sentez Paketi (DESEN)**  
(Researcher)

TÜBİTAK Project, 01.01.2015 - 30.06.2016

National Completed

## THESIS SUPERVISION

**Embedding intrusion detection in distributed computing artificial intelligence-based routing in AD HOC networks**

ZAINAB ALI ABBOOD ALMAMOORI

2023 Doctorate

**Human motion monitoring for falling detection using artificial intelligence**

RAGHAD TARIQ ABDULRAZZAK AL-HASSANI

2023 Doctorate

**A novel miniaturized radar antenna design in ku band for V2X communication**

SAIF AL-DEEN KAMAL HEYAD

2023 Master's Degree

**Ladar (laser radar) design using microstrip patch antenna**

AFNAN HAMAD SHIHAB

2023 Master's Degree

**Centra-modular and reconfigurable battery management system design for lithium-ion battery packs**

EKREM CILIZ

2022 Master's Degree

**Secured Multi-Stage Hybrid Method to Enhance Data Security and Privacy of Smart Cities Applications**

HASSAN SAAD FADHIL FADHIL

2021 Master's Degree

**Breast cancer detection using circular microstrip patch antenna**

ADEL MUNDHER ALI AL-OMAIRI

2021 Master's Degree

**Raylı ulaşımda telsiz sistemine ait network altyapısının yenilenmesi**

ABDULKERİM YAZLA

2021 Master's Degree

**A novel approach for investigation of electromagnetic impact on human body and its response analysis**

SAIF AL-SABTI

2021 Doctorate

**Miniaturized flexible metamaterial antenna of circularly polarized high gain-bandwidth product for RF energy harvesting**

MALAK NAEM NASHOOR ALAUKALLY

2021 Master's Degree

**Producing secure multimodal biometric descriptors using artificial neural networks**

RAGHAD SAEED HASAN

2021 Doctorate

**Designing and evaluating computer security threats detection using machine learning**

YAHYA HAZIM AHMED

2021 Master's Degree

**Energy harvesting from RF signals and ultra-high voltage transmission lines (UHVTL) for wireless charging of uav**

MAIGALISA YOHANNA

2020 Master's Degree



## THESIS SUPERVISION

### Performance evaluation of ofdm-im with direct subcarrier activation

ZAINAB MOHAMMED ABDULKAREEM

2020 Master's Degree

### Utilizing smart PV converter for power quality improvement

RASIM KHALEEL TAWFEEQ

2020 Master's Degree

### Motor protection and monitoring using advance pic microcontroller and web server

İMAD BURHAN KADHİM ALBAYATI ALBAYATI

2020 Master's Degree

### Design of adaptive controller for regulating the voltage by a dynamic voltage restorer DVR

SAUD NASHWAN ABDULAZEEZ

2019 Master's Degree

### Design of fractal based monopole antenna array with ultra-mutual coupling reduction for MIMO applications

ZAINAB JASIM MOHAMMED AL-DULAIMI

2019 Master's Degree

### Investigation of size reduction technique of microstrip patch antenna with saw teeth slots

MUSTAFA AHMED SAADI

2019 Master's Degree

### Impact of solar cell on system losses on distribution network

HASSNEN SNOUSSI H. SENOUSI

2019 Master's Degree

### Performance study of the effects of varying equalizers parameters on multipath radio fading channel

ANWR ABD S. ELASYRI

2019 Master's Degree

### Design and implementation of wireless power transfer for power pad capacitive transfer system for ev

NOOR QASİM ATİYAH ALSAEDİ ALSAEDİ

2019 Master's Degree

### Enhancing the performance of radio over fiber networks based on wdm using different modulation formats

HUMAM NEAMAH HUSSEIN

2018 Master's Degree

### Libyan program for integration and development assesment using artificial neural network classifier

GAFFALA ISAA ALI ABORISHA

2018 Master's Degree

### Improving the QoS in a simulated GPRSnetwork

ALMUATASIM SALAM M RAFIQ ALABDALI

2018 Master's Degree

### A real-time speech recognition system by using advanced digital signal processing in MATLAB

KHALED SEGHAYER ELGANTRI ELGANTRI

2018 Master's Degree

## COURSES

Course Type	Course Code	Course Name
Master's Degree	FBE596	BİLİMSEL ARAŞTIRMA YÖNTEMLERİ VE YAYIN ETİĐİ
Bachelor's Degree	EE341	MICROPROCESSORS
Bachelor's Degree	EE100.1	INTRODUCTION TO ELECTRICAL AND ELECTRONICS ENGINEERING
Bachelor's Degree	EE309	ANALOGUE ELECTRONICS AND DESIGN

## COURSES

Bachelor's Degree	ELK222	ELEKTROMANYETİK TEORİ
Doctorate	FBE696	BİLİMSEL ARAŐTIRMA YÖNTEMLERİ VE YAYIN ETİĐİ
Master's Degree	VA597	SEMİNER
Bachelor's Degree	IES100	INTRODUCTION TO ENGINEERING SCIENCES
Master's Degree	ECE555	DESIGN OF ULTRA WIDEBAND POWER TRANSFER NETWORKS FOR COMMUNICATION SYSTEMS
Master's Degree	ECE562	MICROWAVE AMPLIFIERS

## PERSONAL INFORMATION

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