



HÜSEYİN ÖZGÜR KAZANCI

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Biyomedikal Mühendisliği Bölümü Biyoelektronik ABD

International Researcher IDs

ORCID: 0000-0003-0036-7657

Publons / Web Of Science ResearcherID: D-2351-2015

ScopusID: 54950346800

Yoksis Researcher ID: 199807



Learning Knowledge

Post Doctorate 2019 - 2020	Nagoya Üniversitesi, Graduate School Of Electronics, Microelectronics Engineering, Japan
Post Doctorate 2016 - 2017	Oregon Health Sciences University, Biomedical Engineering, Biomedical Engineering, United States Of America
Doctorate 2010 - 2014	Akdeniz University, Institute of Health Sciences , Biyofizik, Turkey
Postgraduate 2007 - 2009	Akdeniz University, Institute of Health Sciences , Biyofizik, Turkey
Undergraduate 1992 - 1997	Istanbul Technical University, Elektrik Elektronik Fakültesi, Elektronik Ve Haberleşme Mühendisliği , Turkey

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, GERİ YANSIMA GEOMETRİSİNDE ÇALIŞAN LAZER DİFFÜZ OPTİK TOMOGRAFİ SİSTEMİNİN GELİŞTİRİLMESİ , Akdeniz University, -, Biophysics, 2014

Postgraduate, OPTİK TOMOGRAFİ SİSTEMİ İÇİN ELEKTRONİK DONANIM VE YAZILIMIN TASARIMI VE YAPIMI, Akdeniz University, -, Biophysics, 2009

Academic Titles / Tasks

Associate Professor
2019 - Continues

Akdeniz University, Faculty of Engineering, Department of Biomedical Engineering

Assistant Professor
2014 - 2019

Akdeniz University, Faculty of Engineering, Department of Biomedical Engineering

Lecturer
2006 - 2014

Akdeniz University, Elmalı Vocational School, Electronics and Automation

Supported Projects

1. KAZANCI H. Ö., BİGAT Z., YARMAN S., BOZKURT A., COŞKUNFIRAT N., Project Supported by Higher Education Institutions, Biyomedikal Uygulamalar İçin Çok Yüksek Frekanslarda Çalışan (EHF bandı) Elektromanyetik Milimetre Dalga Terapi (EMDT) Cihazının Yapılması, 2018 - 2019
2. KAZANCI H. Ö., JACQUES S. L., Project Supported by Higher Education Institutions, Portatif Beyin Lazer Tomografi Sisteminin Yapılması, 2015 - 2017
3. CANPOLAT M., BALBAŞI Y., KAZANCI H. Ö., DURMAZ E., SAVAŞ K., TÜBİTAK Project, Meme Lazer Tomografi Sisteminin Yapımı ve Test Edilmesi, 2011 - 2014

Awards

1. KAZANCI H. Ö., 24. Ulusal Biyofizik Kongresi Poster İkincilik Ödülü, Ulusal Biyofizik Derneği, September 2012

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Accuracy assessment of RFerns, NB, SVM, and kNN machine learning classifiers in aquaculture**
Çakır M., Yılmaz M., Oral M., Kazancı H. Ö., Oral O.
JOURNAL OF KING SAUD UNIVERSITY - SCIENCE, vol.35, pp.102754, 2023 (SCI-Expanded)
2. **Evaluation of Disease Outbreak in Terms of Physico-Chemical Characteristics and Heavy Metal Load of Water in a Fish Farm with Machine Learning Techniques**
Yılmaz M., Çakır M., Oral M., Kazancı H. Ö., Oral O.
SAUDI JOURNAL OF BIOLOGICAL SCIENCES, vol.30, no.4, pp.1-9, 2023 (SCI-Expanded)
3. **Effect of optode geometry and regularization methods on low-cost diffuse optical tomography systems**
Uysal H., Uysal S., Kazancı H. Ö., Sedef H.
OPTICAL AND QUANTUM ELECTRONICS, vol.55, no.60, pp.1-24, 2022 (SCI-Expanded)
4. **Improving image quality in diffuse optical tomography**
KAZANCI H. Ö., ORAL O.
Optical and Quantum Electronics, vol.54, no.10, 2022 (SCI-Expanded)
5. **The effect of modulation frequency for frequency domain diffuse optic tomography (FDDOT)**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.54, no.3, 2022 (SCI-Expanded)
6. **Frequency shifting model for diffuse optical tomography**
KAZANCI H. Ö., ORAL O.
OPTICAL AND QUANTUM ELECTRONICS, vol.53, no.11, 2021 (SCI-Expanded)

7. **Differential photon waves imaging**
KAZANCI H. Ö.
INTERNATIONAL JOURNAL OF IMAGING SYSTEMS AND TECHNOLOGY, vol.31, no.2, pp.718-728, 2021 (SCI-Expanded)
8. **Photon phase shift imaging research on frequency domain diffuse optic tomography**
KAZANCI H. Ö.
Optical and Quantum Electronics, vol.53, no.5, 2021 (SCI-Expanded)
9. **Time resolved inclusion investigation for continuous wave light**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.50, no.3, 2018 (SCI-Expanded)
10. **Dynamic mesh grids for laser head tomography**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.50, no.3, 2018 (SCI-Expanded)
11. **Time Resolved Diffuse Optical Tomography model**
Kazancı H. Ö.
OPTIK, vol.162, pp.133-139, 2018 (SCI-Expanded)
12. **Capacitive charge approach to diffuse optical tomography systems**
Kazancı H. O.
OPTICAL AND QUANTUM ELECTRONICS, vol.49, no.4, 2017 (SCI-Expanded)
13. **Photon fluencies for diffuse optical tomography systems**
Kazancı H. O.
OPTIK, vol.140, pp.1020-1031, 2017 (SCI-Expanded)
14. **Back reflected laser tomography**
Kazancı H. O.
OPTIK, vol.140, pp.1081-1085, 2017 (SCI-Expanded)
15. **Forward model for cranial laser tomography system**
Kazancı H. O.
OPTICAL AND QUANTUM ELECTRONICS, vol.48, no.8, 2016 (SCI-Expanded)
16. **Non-contact head laser tomography**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.48, no.6, 2016 (SCI-Expanded)
17. **Head model weight functions generation for laser tomography**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.48, no.4, 2016 (SCI-Expanded)
18. **Weight matrix analysis for back reflection continuous wave diffuse optical tomography (CWDOT) systems: translational method**
KAZANCI H. Ö.
OPTICAL AND QUANTUM ELECTRONICS, vol.47, no.12, pp.3847-3853, 2015 (SCI-Expanded)
19. **Design and evaluation of a reflectance diffuse optical tomography system**
Kazancı H. Ö., Mercan T., CANPOLAT M.
OPTICAL AND QUANTUM ELECTRONICS, vol.47, no.2, pp.257-265, 2015 (SCI-Expanded)

Articles Published in Other Journals

1. **AYARLANABİLİR RADYO FREKANS (RF) ALICI (RX) ENTEGRE DEVRE (IC)**
KAZANCI H. Ö., ORAL O.
International Journal of Engineering and Innovative Research, vol.5, 2023 (Peer-Reviewed Journal)
2. **Rf blocks for biomedical engineering Biyomedikal mühendislik için tasarlanmış rf elektronik devre blokları**
KAZANCI H. Ö.

- El-Cezeri Journal of Science and Engineering, vol.8, no.2, pp.782-792, 2021 (Scopus)
3. **Monte Carlo simulation driven time resolved photon fluence analysis**
KAZANCI H. Ö., Niitsu K.
OPTOELECTRONICS LETTERS, vol.16, no.3, pp.237-240, 2020 (ESCI)
 4. **The Comparison of Reconstruction Algorithms for Diffuse Optical Tomography**
MERCAN T., SEVİM G., ÜNCÜ Y. A., USLU S., KAZANCI H. Ö., CANPOLAT M.
Süleyman Demirel Üniversitesi Fen-Edebiyat Fakültesi Sosyal Bilimler Dergisi, vol.14, no.2, pp.285-295, 2019 (Peer-Reviewed Journal)
 5. **Akıllı Telefon Üzerinden Biyomedikal Optik Görüntüleme Uygulaması Biomedical Optic Imaging Applications on Smart Phone**
KAZANCI H. Ö.
Zonguldak Karaelmas Üniversitesi Sosyal Bilimler Dergisi, vol.8, no.8, pp.242-259, 2018 (Peer-Reviewed Journal)
 6. **Design of Electronic Data Acquisiton Unit for Laser Tomography System**
KAZANCI H. Ö.
El-Cezerî Fen ve Mühendislik Dergisi, vol.4, no.1, pp.53-63, 2016 (Peer-Reviewed Journal)
 7. **Image Reconstruction for Head Laser Tomography System**
KAZANCI H. Ö.
İbni Sina Tıp Bilimleri Dergisi, vol.2, no.4, pp.51-55, 2016 (Peer-Reviewed Journal)
 8. **Investigation of Human Lung by Laser Tomography - Lazer Tomografi Yöntemi ile Akciğer Dokusunun İncelenmesi**
KAZANCI H. Ö., oduncuoğlu m.
El Cezeri Journal of Science and Engineering - ECJSE, vol.2, no.3, pp.75-81, 2015 (Peer-Reviewed Journal)
 9. **Design of Breast Laser Tomography System and Pilot Clinical Results**
CANPOLAT M., KAZANCI H. Ö., MERCAN T., ALİMOĞLU E.
AKDENİZ TIP DERGİSİ, vol.1, no.1, pp.58-63, 2015 (Peer-Reviewed Journal)
 10. **Continuous Wave Diffuse Optical Tomography System with High Resolution Current to Voltage Analog Digital Converter**
KAZANCI H. Ö., CANPOLAT M.
El-Cezerî Journal of Science and Engineering, vol.2, no.2, pp.68-77, 2015 (Scopus)
 11. **Depth Normalization Algorithm for Continuous Wave Reflectance Diffuse Optical Tomography System**
KAZANCI H. Ö., CANPOLAT M.
El-Cezerî Journal of Science and Engineering, vol.2, no.2, pp.40-46, 2015 (Scopus)
 12. **Mathematical method for diffuse optical tomography imaging: A Research Study**
KAZANCI H. Ö., CANPOLAT M.
El-Cezerî Journal of Science and Engineering, vol.1, no.3, pp.9-16, 2014 (Scopus)

Books & Book Chapters

1. **The Philosophical Methodology for Designing Highly Accurate Laser Tomography**
Kazancı H. Ö.
Atlas Yayın Dağıtım, Ankara, 2021

Refereed Congress / Symposium Publications in Proceedings

1. **From the Internet of Farm to the Internet of Aquaculture**
ÇAKIR M., YILMAZ M., ORAL O., KAZANCI H. Ö., ORAL M.
Modern Information, Measurement and Control Systems: Problems, Applications and Perspectives 2022 (MIMCS'2022)Modern Information Measurement and Control Systems, Antalya, Turkey, 04 November 2022

2. **From the internet of farm to the internet of aquaculture**
Çakır M., Yılmaz M., Oral O., Kazancı H. Ö., Oral M.
Third International Scientific – Practical Conference/Modern Information, Measurement and Control Systems: Problems, Applications and Perspectives 2022 (MIMCS'2022), Antalya, Turkey, 4 - 05 November 2022
3. **BEYİN TÜMÖRÜ TESPİTİ İÇİN DİFFÜZ OPTİK TOMOGRAFİ SİSTEMİNİN GELİŞTİRİLMESİ**
Kazancı H. Ö., Uysal H., Sedef H.
4. Uluslararası Bilimsel Araştırmalar kongresi, Yalova, Turkey, 14 - 17 February 2019, pp.1-7
4. **Comparison of Images Produced by Diffuse Optical Tomography with Two Different Backscatter Techniques**
MERCAN T., SEVİM G., KAZANCI H. Ö., ÜNCÜ Y. A., CANPOLAT M.
2017 21st National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 24 November 2017
5. **Feedback Capacitors Based Signal Distributor Circuit**
KAZANCI H. Ö.
IEEE 2020 35th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC), Nagoya, Japan, 3 - 06 July 2020, pp.207-210
6. **Feedback Capacitors Based Signal Distributor Circuit**
KAZANCI H. Ö.
35th International Technical Conference on Circuits/Systems, Computers and Communications (ITC-CSCC), ELECTR NETWORK, 3 - 06 July 2020, pp.207-210
7. **Forward model relations based on the Monte Carlo (MC) Simulation Photon Fluencies**
KAZANCI H. Ö.
ICONTES 2018 International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2018, pp.39
8. **Time Resolved Analysis of Continuous Wave MC Photon Fluencies**
KAZANCI H. Ö.
ICONTES 2018 International Conference on Technology, Engineering and Science, Antalya, Turkey, 26 - 29 October 2018, pp.38
9. **Diffuse Optic Tomography Techniques for Biomedical Imaging**
KAZANCI H. Ö.
INTERCOLM 2018 International Congress on Optics and Lasers in Medicine, Antalya, Turkey, 9 - 12 October 2018, pp.1-7
10. **The Philosophy of Laser Imaging**
KAZANCI H. Ö.
INTERCOLM 2018 International Congress on Optics and Lasers in Medicine, Antalya, Turkey, 9 - 12 October 2018, pp.1-9
11. **Integrator with p-channel depletion MOS switch**
KAZANCI H. Ö.
24th IEEE International Conference on Electronics, Circuits and Systems, Batum, Georgia, 5 - 08 December 2017, pp.165-169
12. **PI PARAMETER CALCULATION TECHNIQUE OF SVM-DTC CONTROL SCHEMA FOR INDUCTION MOTOR**
ÜSER Y., KAZANCI H. Ö.
INTERNATIONAL ADVANCED RESEARCHES & ENGINEERING CONGRESS 2017, Osmaniye, Turkey, 16 - 18 November 2017, pp.1158-1160
13. **PI PARAMETER CALCULATION TECHNIQUE OF SVM-DTC CONTROL SCHEMA FOR INDUCTION MOTOR**
ÜSER Y., KAZANCI H. Ö.
International Advanced Researches and Engineering Congress, 2131, Angola, 1 - 02 November 2018, vol.1, pp.1158-1159
14. **Dinamik ve Statik Hacim Tabanlı Görüntü Oluşturma Algoritmalarının Karşılaştırılması**
KAZANCI H. Ö.
Tıp Teknolojileri Ulusal Kongresi 2017, Trabzon, Turkey, 12 - 14 October 2017, pp.1-3
15. **KAFA LAZER DİFFÜZ OPTİK TOMOGRAFİ SİSTEMİNİN ELEKTRİK VE MEKANİK GERÇEKLEMESİ**

KAZANCI H. Ö.

2. ULUSAL BİYOMEDİKAL CİHAZ TASARIMI VE ÜRETİMİ SEMPOZYUMU, İstanbul, Turkey, 16 May 2017, pp.49-54

16. **Comparison of Images Produced by Diffuse Optical Tomography with Two Different Backscatter Techniques**
MERCAN T., SEVİM G., KAZANCI H. Ö., ÜNCÜ Y. A., CANPOLAT M.
21st National Biomedical Engineering Meeting (BIYOMUT), İstanbul, Turkey, 24 November - 26 December 2017
17. **Comparison of Dynamic and Static Meshgrid Arrays for Image Reconstruction Algorithms**
KAZANCI H. Ö.
Medical Technologies National Congress (TIPTEKNO), Trabzon, Turkey, 12 - 14 October 2017
18. **Integrator with p-channel Depletion MOS Switch**
KAZANCI H. Ö.
24th IEEE International Conference on Electronics, Circuits and Systems (ICECS), Batumi, Georgia, 5 - 08 December 2017, pp.165-169
19. **Meme Lazer Diffüz Optik Tomografi Sisteminin Geliştirilmesi ve Pilot Klinik DeneY Sonuçları**
CANPOLAT M., MERCAN T., SEVİM G., ALİMOĞLU E., KAZANCI H. Ö.
27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 - 03 September 2016, pp.11-14
20. **Meme Lazer Diffüz Optik Tomografi Sisteminin Geliştirilmesi ve Pilot Klinik DeneY Sonuçları**
CANPOLAT M., MERCAN T., SEVİM G., ALİMOĞLU E., KAZANCI H. Ö.
27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 - 03 September 2016, pp.11-14
21. **Designing intact clinical head laser tomography system Dokunmadan Çalışan Klinik Beyin Lazer Tomografi Cihazı Tasarımı**
KAZANCI H. Ö.
Medical Technologies National Conference, TIPTEKNO 2015, Bodrum, Turkey, 15 - 18 October 2015
22. **Diffuse light tomography to detect blood vessels using Tikhonov regularization**
KAZANCI H. Ö., Jacques S. L.
Saratov Fall Meeting / 3rd International Symposium on Optics and Biophotonics / 7th Finnish-Russian Photonics and Laser Symposium (PALS), Saratov, Russia, 22 - 25 September 2015, vol.9917
23. **Meme Lazer Diffüz Optik Tomografi Sisteminin Geliştirilmesi ve Pilot Klinik DeneY Sonuçları**
CANPOLAT M., mercan t., sevimli g., alimoğlu e., KAZANCI H. Ö.
27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 September - 03 October 2015, pp.11-14
24. **Meme Lazer Diffüz Optik Tomografi Sisteminin Geliştirilmesi ve Pilot Klinik DeneY Sonuçları**
CANPOLAT M., MERCAN T., SEVİM G., ALİMOĞLU E., KAZANCI H. Ö.
27. Ulusal Biyofizik Kongresi, Malatya, Turkey, 29 September - 03 October 2015, pp.11-14
25. **Diffuse light tomography to detect blood vessels using Tikhonov regularization**
KAZANCI H. Ö., Jacques S.
SARATOV FALL MEETING 2015, Saratov, Russia, 21 - 25 September 2015, pp.1-11
26. **Diffuse optical tomography system design and reconstruction of tail fat of sheep as a breast phantom**
MERCAN T., KAZANCI H. Ö., CANPOLAT M.
SPIE Photonics West Optical Tomography and Spectroscopy of Tissue XI, San-Francisco, United States Of America, 7 - 12 February 2015, vol.9319, pp.80
27. **Comprasion of linear reconstruction technique for diffuse optic tomography in in-vitro experiment**
MERCAN T., KAZANCI H. Ö., CANPOLAT M.
SPIE Photonics West Optical Tomography and Spectroscopy of Tissue XI, San-Francisco, United States Of America, 7 - 12 February 2015, vol.9319, pp.79
28. **Diffuse optical tomography system design and reconstruction of tail fat of sheep as a breast phantom**
MERCAN T., KAZANCI H. Ö., CANPOLAT M.
SPIE Photonics West Optical Tomography and Spectroscopy of Tissue XI, San-Francisco, United States Of America, 7 - 12 February 2015, vol.9319, pp.80
29. **Comprasion of linear reconstruction technique for diffuse optic tomography in in-vitro experiment**

MERCAN T., KAZANCI H. Ö., CANPOLAT M.

SPIE Photonics West Optical Tomography and Spectroscopy of Tissue XI, San-Francisco, United States Of America, 7 - 12 February 2015, vol.9319, pp.79

30. **Diffuse optical tomography system design and reconstruction of tail fat of sheep as a breast phantom**

MERCAN T., KAZANCI H. Ö., CANPOLAT M.

SPIE Photonics West Optical Tomography and Spectroscopy of Tissue XI, San-Francisco, United States Of America, 7 - 12 February 2015, vol.9319, pp.80

31. **Designing Intact Clinical Head Laser Tomography System**

KAZANCI H. Ö.

Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015

32. **Development of Coordinate Definition Algorithm for Head Laser Tomography System**

KAZANCI H. Ö.

Medical Technologies National Conference (TIPTEKNO), Bodrum, Turkey, 15 - 18 October 2015

33. **CONTINUOUS WAVE DIFFUSE OPTICAL TOMOGRAPHY SYSTEM**

KAZANCI H. Ö.

International Science and Technology Conference, Doha, Qatar, 18 - 20 December 2014, pp.1-4

34. **DIFFUSE LIGHT TOMOGRAPHY TO DETECT BLOOD VESSELS USING TIKHONOV REGULARIZATION**

Jacques S. L., KAZANCI H. Ö.

Biophotonics, Internet Invited Lecture Symposium 2014 / Internet Session Program Optical Technologies in Biophysics & Medicine XVII, Moskova, Russia, 23 - 26 September 2014, pp.1-10

35. **Lazer Meme Tomografi Sisteminin geliştirilmesi ve In-vitro Deneyler**

KAZANCI H. Ö., MERCAN T., CANPOLAT M.

26. Ulusal Biyofizik Kongresi, Tokat, Turkey, 9 - 12 September 2014, pp.1

36. **Developing and testing a multi-source and detector reflectance diffuse optical tomography system**

CANPOLAT M., KAZANCI H. Ö., MERCAN T.

SPIE Photonics West, San-Francisco, United States Of America, 1 - 06 February 2014, pp.216

37. **Developing and testing a multi-source and detector reflectance diffuse optical tomography system**

CANPOLAT M., KAZANCI H. Ö., MERCAN T.

SPIE Photonics West, San-Francisco, United States Of America, 1 - 06 February 2014, pp.216

38. **Developing and testing a multi-source and detector reflectance diffuse optical tomography system**

CANPOLAT M., KAZANCI H. Ö., MERCAN T.

SPIE Photonics West, San-Francisco, United States Of America, 1 - 06 February 2014, pp.216

39. **Diffüz Optik Tomografi sistemi ile ışığın doku benzeri yapı içerisinde aldığı derinliğin belirlenmesi**

MERCAN T., KAZANCI H. Ö., CANPOLAT M.

25. Ulusal Biyofizik Kongresi, Trabzon, Turkey, 24 September - 27 August 2013, pp.1

40. **Diffüz Optik Tomografi sistemi ile ışığın doku benzeri yapı içerisinde aldığı derinliğin belirlenmesi**

MERCAN T., KAZANCI H. Ö., CANPOLAT M.

25. Ulusal Biyofizik Kongresi, Trabzon, Turkey, 24 September - 27 August 2013, pp.1

41. **Geri Yansıma Optik Tomografi Sisteminin Tasarımı ve Test Edilmesi**

CANPOLAT M., KAZANCI H. Ö., MERCAN T.

20. İstatistiksel Fizik Günleri, Kayseri, Turkey, 27 - 29 June 2013, pp.1

42. **Wireless tool vibration monitoring for milling**

Çolak O., Oral O., Çağlayan N., KAZANCI H. Ö.

11th international Conference on Sustainable Life in Manufacturing, Fiesa, Slovenia, 25 - 27 September 2012, pp.178-183

43. **Lazer Meme Diffüz Optik Tomografi Sisteminin Tasarımı ve 3D Görüntünün Oluşturulması**

KAZANCI H. Ö., CANPOLAT M.

24. Ulusal Biyofizik Kongresi, İstanbul, Turkey, 25 - 28 September 2012, pp.1

44. **Wireless tool vibration monitoring for milling.**

ÇOLAK O., ORAL O., ÇAĞLAYAN N., KAZANCI H. Ö.

11th International Conference on Management of Innovative Technologies & 2nd International Conference on Sustainable Life in Manufacturing (MIT&SLIM 2011), Fiesa, Slovenia, 25 - 27 September 2011, pp.178-183

45. **Testis Torsiyonunun Yakın Kızılötesi Işık İle Teşhisi: Hayvan Modeli Üzerinde Test Edilmesi**
SIRCAN KÜÇÜKSAYAN A., CANPOLAT M., Yücel S., KAZANCI H. Ö., DENKÇEKEN T.
23. Ulusal Biyofizik Kongresi, Edirne, Turkey, 13 - 16 September 2011, pp.1

Academic and Administrative Experience

Courses

Mezuniyet Projesi 2, Undergraduate, 2023 - 2024
Elektronik I, Undergraduate, 2023 - 2024
Devre Laboratuvarı II, Undergraduate, 2023 - 2024
Yarıiletken Güç Dönüştürücüler , Undergraduate, 2023 - 2024
BİYOMEDİKAL OPTİK GÖRÜNTÜLEME, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Seminer 2, Postgraduate, 2022 - 2023
Mezuniyet Projesi I, Undergraduate, 2023 - 2024
Danışmanlık, Postgraduate, 2022 - 2023
Yüksek Lisans Tezi, Postgraduate, 2021 - 2022
Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022
Danışmanlık, Postgraduate, 2021 - 2022
Danışmanlık, Postgraduate, 2022 - 2023
BİYOMEDİKAL MÜHENDİSLİKTE MATEMATİKSEL YÖNTEMLER, Postgraduate, 2022 - 2023
Uzmanlık Alan Dersi, Postgraduate, 2022 - 2023
Electronics 2 , Undergraduate, 2022 - 2023
BİYOMEDİKAL FOTONİK, Postgraduate, 2020 - 2021
YÜKSEK LİSANS TEZİ, Postgraduate, 2021 - 2022
Devre Laboratuvarı 2, Undergraduate, 2020 - 2021
Uzmanlık Alan Dersi, Postgraduate, 2021 - 2022
Danışmanlık, Postgraduate, 2021 - 2022
Circuit Theory 2 , Undergraduate, 2020 - 2021
Linear Algebra and Vector Analysis, Undergraduate, 2020 - 2021
Elektronik2 , Undergraduate, 2020 - 2021
Bilimsel Araştırma Teknikleri ve Etik 1, Postgraduate, 2018 - 2019
Biyomedikal Enstrümantasyon, Postgraduate, 2018 - 2019
Seminer, Undergraduate, 2017 - 2018
Danışmanlık, Postgraduate, 2017 - 2018
Biyomedikal Mühendisliğinin Temelleri, Undergraduate, 2018 - 2019
Uzmanlık Alan Dersi, Postgraduate, 2017 - 2018
Biyomedikal Enstrümantasyon, Postgraduate, 2017 - 2018
Uzmanlık Alan Dersi, Postgraduate, 2018 - 2019
Danışmanlık, Postgraduate, 2018 - 2019
Biyomedikal Mühendisliğine Giriş, Undergraduate, 2017 - 2018
Basics of Electronic Circuits, Undergraduate, 2017 - 2018
Makine Proje, Undergraduate, 2017 - 2018
ElektroTeknik, Undergraduate, 2014 - 2015
Otomatik Kontrol, Undergraduate, 2015 - 2016

MİKRO BİLGİSAYAR SİSTEMLERİ VE ASSEMBLER, Associate Degree, 2012 - 2013
İNTERNET PROGRAMCILIĞI II, Associate Degree, 2012 - 2013
MİKRODENETLEYİCİLER I, Associate Degree, 2012 - 2013
MİKRO DENETLEYİCİLER, Associate Degree, 2012 - 2013
İNTERNET PROGRAMCILIĞI I, Associate Degree, 2011 - 2012
BİYOMEDİKAL CİHAZLAR, Associate Degree, 2012 - 2013
BİLGİSAYAR AĞ SİSTEMLERİ, Associate Degree, 2011 - 2012
SÜREÇ ÖLÇÜMLERİ, Associate Degree, 2009 - 2010
MİKROİŞLEMCİLER /MİKRODENETLEYİCİLERII, Associate Degree, 2008 - 2009
ELEKTRİK MAKİNALARI, Associate Degree, 2009 - 2010
FİBER OPTİK HABERLEŞMESİ, Associate Degree, 2008 - 2009
TELEFON İLETİŞİM VE ANAHTARLAMA SİSTEMLERİ, Associate Degree, 2008 - 2009
RF TEKNİĞİ, Associate Degree, 2008 - 2009
MİKROİŞLEMCİLER /MİKRODENETLEYİCİLER, Associate Degree, 2009 - 2010
SAYISAL ELEKTRONİK, Associate Degree, 2008 - 2009
ANALOG HABERLEŞME, Associate Degree, 2008 - 2009
MİKROİŞLEMCİLER /MİKRODENETLEYİCİLERI, Associate Degree, 2008 - 2009
SAYISAL HABERLEŞME, Associate Degree, 2008 - 2009
MİKRO DENETLEYİCİLER, Associate Degree, 2008 - 2009
İLERİ SAYISAL UYGULAMALAR, Associate Degree, 2008 - 2009
SİSTEM ANALİZİ VE TASARIMI I, Associate Degree, 2008 - 2009
BİLGİSAYAR DESTEKLİ TASARIMI, Associate Degree, 2007 - 2008
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Advising Theses

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Research Areas

Biomedical Engineering, Bioengineering and MEMS, Bioinstrumentation and Microelectromechanical Systems (MEMS), bioPhotonic, Biomedical Optics, Laser Tissue Interaction, Biomedical Image Processing, Biomedical Image Processing, Electrical and Electronics Engineering, Electronic, Printed Circuits, Thin Film, Thick Film and Hybrid ICs, Sensing Devices and Transducers, Electronic Circuits, Microwave Circuits, Optics and Photonics, Engineering and Technology