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EDUCATION

2021-2025	Atılım University, Electrical and Electronics Engineering, Ph.D.
2019-2021	Ankara University, Electrical and Electronics Engineering, Ph.D.
2017-2019	Atilim University, Electrical and Electronics Engineering, M.S
2012-2017	Atilim University, Electrical and Electronics Engineering, B.S.

ACADEMIC POSITIONS

11/2025-present	Assist. Prof. Dr., Mechatronics Engineering, Atılım University, Turkey
04/2019-11/2025	Research Assisstant, Electrical and Electronics Engineering, Atılım University, Turkey
02/2019-04/2019	Teaching/Research Assisstant, Electrical and Electronics Engineering, Başkent University, Turkey
10/2018-02/2019	Teaching/Research Assisstant, Electrical and Electronics Engineering, İstanbul Kultur University, Turkey
03/2017-09/2018	Tubitak Scholar Researcher, Electrical and Electronics Engineering, Atilim University, Turkey

RESEARCH INTERESTS

1	Artificial Intelligence, DL, ML, 2D- 3D Data
2	Image Processing, Signal Processing, Biomedical
3	Electromagnetic, RF, Microstrip Antennas
4	IoT(Internet of Things), Smart System Applications, Virtual Reality(VR)

PUBLICATIONS/ JOURNALS

1	Yilmaz, V. S., Akdag, M., Dalveren, Y., Doruk, R. O., Kara, A., & Soylu, A. (2023). Investigating the Impact of Two Major Programming Environments on the Accuracy of Deep Learning-Based Glioma Detection from MRI Images. Diagnostics, 13(4), 651.
2	*Yılmaz, V. S., Eseller, K. E., Aslan, O., & Bayraktar, E. (2023). Classification of Different Recycled Rubber-Epoxy Composite Based on their Hardness Using Laser-Induced Breakdown Spectroscopy (LIBS) with Comparison Machine Learning Algorithms. Inventions, 8(2), 54.*
3	Yilmaz, V. S., Bilgin, G., Aydin, E., & Kara, A. (2019). Miniaturized antenna at a sub-GHZ band for industrial remote controllers. IET Microwaves, Antennas & Propagation, 13(9), 1408-1413.
4	Bilgin, G., Yilmaz, V. S., Kara, A., & Aydin, E. (2019). Comparative assessment of electromagnetic simulation tools for use in microstrip antenna design: Experimental demonstrations. Microwave and Optical Technology Letters, 61(2), 349-356.

CONFERENCE PRESENTATIONS

1	Yılmaz, V. S., Ucuretci, Y. S., Akpinar, B. M., Doruk, R. O. (2024, November 15). *Instant Health Care System integrated to Smart Home Systems*. The International Artificial Intelligence in Health Congress, Izmir, Turkey.
2	Peker, A., Erol, B. N., Halis, M. E., Ucuretci, Y. S., Yılmaz, V.S,, Doruk, R. O. (2024). *Real - Virtual World Location Synchronization*. Atılım University Engineering Sciences and Research Student Congress (MUBAK), Ankara, Turkey.
3	Yılmaz, V. S., Alizadeh Tabrizi, S., Topallı, D., Doruk, R. Ö., & Çağıltay, N. E. (2023). *Measuring the Cognitive Load and Task Engagement Using EEG on a Computer-Based Simulation Environment*. Paper presented at the Atılım University Engineering Sciences and Research Student Congress (MUBAK), Ankara, Turkey.
4	Ücüretci, Y. S., Gülcihan, H. Y., Bal, A., Erdoğan, B., Şahin, O., Yurdagül, R. U., Yılmaz, D., Arslan, E., Yılmaz, V. S., & Doruk, Ö. R. (2023). *Instant Healthcare and Control of Smart System*. Atılım University Engineering Sciences and Research Student Congress (MUBAK), Ankara, Turkey.
5	Yilmaz, V. S., Kara, A., & Aydin, E. (2020, October). *Miniaturized 2.4 GHz Antenna Design for UAV communication link.* In 2020 28th Signal Processing and Communications Applications Conference (SIU) (pp. 1-4). IEEE.

6	Yilmaz VS, Bilgin G, Aydin E, A. Kara. *Design Considerations for Near to the Ground CommunicationSystem and Associated Sub-GHz Low Profile Antenna*. International Conference on Electronics and circuit systems(ICECS); 2017.
7	Bilgin G, Yilmaz VS, Aydin E, A. Kara. *Design Considerations For Sub-GHz Multilayer Microstrip Antenna For Near Ground Communication Links In Rural Areas.* International Conference on Electricaland Electronics Engineering (ELECO); 2017.

PROJECTS

2024 – 2025   **Academic Advisor & Project Manager**
Prosthetic Arm Using Multi-Modal Artificial Intelligence
Granted by (ATÜ-ATAK-2425-31) (discontinued)

2022 – 2023   **Researcher and Bachelor's Organizer**
Transferring of Real Life Environment to Metaverse Environment,
Granted by (ATÜ-LAP-2223-02)

2021 – 2022   **Project Manager- Tübitak Efficiency Challenge 2022**
Electrical Car Production
Granted by Tübitak and Atilim University

2021 – 2022   **Researcher and Bachelor's Organizer**
Machine learning classification of spectra from Plasma Spectroscopy,
Granted by (ATÜ-LAP-2122-06)

2021 – 2022   **Researcher and Bachelor's Organizer**
Providing Instant Control of Health Status for People in Need of Care with Instant GSM
Information and Smart Home Systems,
Granted by (ATÜ-LAP-2122-07)

2020 – 2021   **Researcher-(Scholarship)** *Laser*
optical analysis system Granted by
(Tübitak Bigg 1512)

2020 – 2021   **Researcher (Scholarship)**
Developing an Algorithm for Modeling Neurons Using the Best Design Method
Granted by (Tübitak 1001)

2019 – 2020   **Researcher and Bachelor's Organizer**
Classification of Abnormal Brain Structures MRIs by Using Deep Neural Network
Granted by (Argeda TTO Lap)

2018 – 2019   **Researcher (Scholarship)**
Development of Wireless Sensor Network (WSN) Based Control and Monitoring System
for Cathodic Protection System in Critical Infrastructures
Granted by (Tübitak-1505)

2017 – 2018	**Researcher (Scholarship)** **Design and fabrication of miniaturized, conformal, and dual band microstrip antennas in sub-GHz ISM bands** Granted by (Tübitak-1005)

2017 – 2018   **Researcher and Bachelor's Organizer**
Design and production of Pagoda antenna at 2.4 GHz
Granted by (Argeda TTO Lap)

2016 – 2017   **Researcher and Bachelor's Organizer**
Warm/Hot electromagnetic forming system for the forming of brittle sheet metals
Granted by (Tübitak 1005)

2015 – 2016   **Principal Investigator**
Determination of Fatigue Driver Detection System
Granted by (Tübitak- 2209b)

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	37
H-index (ISI Web of Science):	4

COURSES GIVEN

1	EE 303
2	EE 306
3	EE 222/MECE 228
4	EE 203
6	EE 209/EE234
7	EE 212/EE236