



**Vadi Su YILMAZ, Ph.D Candidate**  
**Research asistant of Electrical and Electronics Engineering**  
**Atılım University**  
Department of Electrical and Electronics Engineering  
06830 İncek, Gölbaşı, Ankara/TURKEY  
vadi.yilmaz@atilim.edu.tr  
Tel: +90 312 586 8255

---

---

#### **EDUCATION**

<b>2021-Present</b>	Atılım University, Electrical and Electronics Engineering, Ph.D.
<b>2019-2021</b>	Ankara University, Electrical and Electronics Engineering, Ph.D.
<b>2017-2019</b>	Atılım University, Electrical and Electronics Engineering, M.S
<b>2012-2017</b>	Atılım University, Electrical and Electronics Engineering, B.S.

#### **ACADEMIC POSITIONS**

<b>04/2019-present</b>	Research Assisntant, Electrical and Electronics Engineering, Atılım University, Turkey
<b>02/2019-04/2019</b>	Teaching/Research Assisntant, Electrical and Electronics Engineering, Başkent University, Turkey
<b>10/2018-02/2019</b>	Teaching/Research Assisntant, Electrical and Electronics Engineering, İstanbul Kultur University, Turkey
<b>03/2017-09/2018</b>	Tubitak Scholar Researcher, Electrical and Electronics Engineering, Atılım University, Turkey

#### **RESEARCH INTERESTS**

<b>1</b>	Artificial Intelligence, DL, ML, 2D- 3D Data
<b>2</b>	Image Processing, Signal Processing, Biomedical
<b>3</b>	Electromagnetic, RF, Microstrip Antennas
<b>4</b>	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. <i>Diagnostics</i> , 13(4), 651.
2	Yilmaz, 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. <i>Inventions</i> , 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. <i>IET Microwaves, Antennas &amp; Propagation</i> , 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. <i>Microwave and Optical Technology Letters</i> , 61(2), 349-356.

## CONFERENCE PRESENTATIONS

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

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

## PROJECTS

2024 – Present	<p><b>Academic Advisor &amp; Project Manager</b></p> <p><b>Prosthetic Arm Using Multi-Modal Artificial Intelligence</b></p> <p>Granted by (ATÜ-ATAK-2425-31)</p>
2022 – 2023	<p><b>Researcher and Bachelor's Organizer</b></p> <p><b>Transferring of Real Life Environment to Metaverse Environment,</b></p> <p>Granted by (ATÜ-LAP-2223-02)</p>
2021 – 2022	<p><b>Project Manager- Tübitak Efficiency Challenge 2022</b></p> <p><b>Electrical Car Production</b></p> <p>Granted by Tübitak and Atilim University</p>
2021 – 2022	<p><b>Researcher and Bachelor's Organizer</b></p> <p><b>Machine learning classification of spectra from Plasma Spectroscopy,</b></p> <p>Granted by (ATÜ-LAP-2122-06)</p>
2021 – 2022	<p><b>Researcher and Bachelor's Organizer</b></p> <p><b>Providing Instant Control of Health Status for People in Need of Care with Instant GSM Information and Smart Home Systems,</b></p> <p>Granted by (ATÜ-LAP-2122-07)</p>
2020 – 2021	<p><b>Researcher-(Scholarship) Laser</b></p> <p><i>optical analysis system</i> Granted by (Tübitak Bigg 1512)</p>
2020 – 2021	<p><b>Researcher (Scholarship)</b></p> <p><b>Developing an Algorithm for Modeling Neurons Using the Best Design Method</b></p> <p>Granted by (Tübitak 1001)</p>
2019 – 2020	<p><b>Researcher and Bachelor's Organizer</b></p> <p><b>Classification of Abnormal Brain Structures MRIs by Using Deep Neural Network</b></p> <p>Granted by (Argeda TTO Lap)</p>
2018 – 2019	<p><b>Researcher (Scholarship)</b></p> <p><b>Development of Wireless Sensor Network (WSN) Based Control and Monitoring System for Cathodic Protection System in Critical Infrastructures</b></p> <p>Granted by (Tübitak-1505)</p>

2017 – 2018	<b>Researcher (Scholarship)</b> <b>Design and fabrication of miniaturized, conformal, and dual band microstrip antennas in sub-GHz ISM bands</b> Granted by (Tübitak-1005)
2017 – 2018	<b>Researcher and Bachelor's Organizer</b> <b>Design and production of Pagoda antenna at 2.4 GHz</b> Granted by (Argeda TTO Lap)
2016 – 2017	<b>Researcher and Bachelor's Organizer</b> <b>Warm/Hot electromagnetic forming system for the forming of brittle sheet metals</b> Granted by (Tübitak 1005)
2015 – 2016	<b>Principal Investigator</b> <b>Determination of Fatigue Driver Detection System</b> Granted by (Tübitak- 2209b)

### CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	29
H-index (ISI Web of Science):	3

### COURSES GIVEN

1	EE 303
2	EE 306
3	EE 222
4	EE 203
6	EE 209

