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PERSONAL

Date of Birth	27/03/1993
Place of Birth	Kırıkkale

EDUCATION

2020-Present	Atılım University, Electrical and Electronics Engineering, Ph.D.
2018-2020	Atılım University, Electrical and Electronics Engineering, M.S.
2011-2015	Kırıkkale University, Electrical and Electronics Engineering, B.S.

ACADEMIC POSITIONS

01/2018-Present	Teaching/Research Assisstant, Electrical and Electronics Engineering, Atılım University, Turkey
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COURSES ASSISTED

1	EE316 – Communication Systems
2	EE404 – Radar Systems
3	EE402 – Wireless Communications
4	EE352 – Electromechanical Energy Conversion

RESEARCH INTERESTS

1	Artificial Intelligence (Machine Learning, Deep Learning)
2	Wireless Communications
3	Radar Systems
4	Signal and Image Processing
5	Engineering Education

PUBLICATIONS

1	Coruk, R. B. , Yalcinkaya, B., & Kara, A. (2020). On the design and effectiveness of Simulink-based educational material for a communication systems course. <i>Computer Applications in Engineering Education</i> , 28(6), 1641-1651.
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PROJECTS

1	Researcher , Developing A Computer Aided Education Method in Communication Systems Education and Effectiveness Measurement (Atılım University - LAP- 2018/2019)
2	Researcher , Hardware Development and Performance Analysis for Classification of High-order Modulations (Atılım University - LAP- 2019/2020)
3	Researcher , Multiple Bullets (Projectile) and Unmanned Aerial Vehicle Radar Cross Section Measurement (Atılım University - LAP- 2020/2021)
4	Researcher , Rapid fading due to human blockage movements in an indoor office environment at 5G mmWave frequencies (Atılım University - LAP- 2020/2021)
5	Researcher , Recognition and Image Analysis of Drone Swarm (Atılım University - LAP- 2021/2022)

CONFERENCE PRESENTATIONS

1	Benzaghta, M., Coruk, R. B. , Yalcinkaya, B., & Kara, A. (2021, May). An Experimental Study on the Influence of Human Movement in Indoor Radio Channel at 28GHz. In 2021 IEEE International Black Sea Conference on Communications and Networking (BlackSeaCom) (pp. 1-3). IEEE.
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SUBMITTED PAPERS

1	Coruk, R. B. , Yalcinkaya, B., Benzaghta, M., & Kara, A. (2021). On the Classification of Modulation Schemes using Higher Order Statistics and Support Vector Machines. <i>Wireless Personal Communications</i> [submitted for publication]
2	Yalcinkaya, B., Coruk, R. B. , Benzaghta, M., & Kara, A. (2021). A Hybrid-Flipped Classroom: Students' Perception and Performance Assessment in Pandemic. <i>Ingeniería e Investigación</i> [submitted for publication]
3	Doganay, B., Arslan, M., Demir, E.C. Coruk, R. B. , Yalcinkaya, B., & Aydin, E. (2022). UAV Detection and Ranging with 77-81 GHz FMCW Radar. 2022 30th Signal Processing and Communications Applications Conference (SIU) [submitted for publication]
4	Yalcinkaya, B., Coruk, R. B. , Tora, H., & Kara, A. (2021). Hierarchical Classification of Analog and Digital Modulation Schemes using Higher-Order Statistics and Support Vector Machines [Manuscript in preparation]
5	Benzaghta, M., Coruk, R. B. , Yalcinkaya, B., & Kara, A. (2022). Radar-based educational material at the undergraduate level [Manuscript in preparation]