

30.06.2026 Tuesday 10:00-12.00

Ertan Özkuzugüdenli	Audio Watermarking System Design and Implementation for Copyright Protection in Digital Audio Data	M. A. Altinkaya
Yiğitcan Özcan Kanber Uğurcan Tomruk	Design and Implementation of a High-Impedance Preamplifier for Piezoelectric Contact Microphones	B. Atakan
Berkay Yüğüncü Harun Yusuf Acaroğlu	AI-Powered Stock Market Prediction Model	A. Köse
Ceren Öz Asude Güven	Autonomous Defense Drone	A. Köse
Ali Kazılıcı Alp Buğra Arıduman	ISAC-Based Infrared (IR) Optical Positioning and Data Transmission System	E. Erdoğan
Hüseyin Cengiz	Design of a LoRa-Based Autonomous Forest Fire Early Warning System with Environmental Noise Filtering	B. Karaçalı
Elvin Ahmadzada	Visual Guided Automatic Antenna Tracker	Ş. Gümüştekin

Ada Şahin Alperen Kısa Berken Güreş	Real-Time Exercise Tracking and Repetition Counting via 3D Human Pose Estimation	M. Çalı
Anıl Taşar	ML-Enhanced Permittivity Estimation from 3D-Printed Cavity Perturbation Measurements	F. Yaman
Ege Aslan	Design and Performance Enhancement of a 10.5 GHz Microwave 3D Printed Lens-Supported Horn Antenna	H. Ö. Yılmaz
Emre Arıkanlı Zeynep Göğüş	EEG-Based Smart Sleepwalking Detection System	M. Z. Ünlü
Neslihan Gültekin	Vision-Guided Object-Aware Grasp Profile Switching for a Soft Robotic Gripper	E. Tunçer Çalı
Barış Şentürk	Generation of Synthetic Checkerboard Projections for Deep Learning-Based Corner Detection	E. Tunçer Çalı
Kayra Gürel	Sleep Apnea Detection Using Audio Signal Analysis	Ş. Gümüştekin

Melis Öksüz	Audio-Based Fault Detection in CNC Machines Using CNN and LSTM	A. Taşçı
Mehmet Göktuğ Arslan Özge Semiz	Sparsity-Aware Local Visibility Graphs	A. Taştan
Alper Tunga Güven	Design and Implementation of a LiDAR-Based Autonomous Navigation System for an Ackermann-Steered Vehicle Using ROS 2	Ş. Gümüştekin

30.06.2026 Tuesday 14:00-16.00

Emre Sađırođlu	Bluetooth/WiFi-Based 3D Indoor Localization with Distributed Detection	M. A. Altınkaya
Onur Vuranay Güray Efe Güler	Limited Feedback Design for Cell-free Massive MIMO Systems in Indoor Environment	B. Özbek
Ođuzhan Apaydın	Machine Learning Optimization for Energy-Aware Electric Vehicle Routing in Urban Environments	B. Atakan
Melek Endes Furkan Selek	Autonomous Navigation with Autonomous Drones	A. Köse
Haktan Özçörekçi Onur Gönen Gökçe Naz Salduz	Spoofing Attacks and Mitigation Systems in Ultrasonic ISAC (Integrated Sensing and Communication) Systems	E. Erdoğan
Beril Köse	From Facial Muscle Activity to Facial Action Units and Expression Patterns: A Single-Channel Surface Electromyography Study	A. Taşçı
Erhan Mutlu	DC Motor Speed Estimation and Control Through Current Sensing	M. Çalı

Bariř TAYLAN, Baha YENIOĐLU	Design and Implementation of a Low- Cost FMCW Synthetic Aperture Radar	F. Yaman
Efe ERĐIĐ, Onur KARADUMAN	X-Band 3D-Printed CW Doppler Radar System	F. Yaman
Cansu Yoldař, ĐaĐrı AydoĐmuř	Quantum Random Number Generator	M. S. Dinleyici
Mustafa KıvanĐ Đakmak	Development of a Real- Time Adaptive Surgical Illumination System Using U-Net and Edge AI	M. Z. Ünlü
Eraycan Uyanık	Autonomous Indoor Surveillance via ML- Based Pan-Tilt Tracking and Navigation	M. Z. Ünlü
Zehra Ecem Emre İldem Alaca	Depth-Based Scene Flow for Time-to- Collision Estimation and Risk-Triggered Emergency Stop of Mobile Robots	E. Tunđer Đalı
Mert Yüksal	Indoor air quality monitoring and analysis system	A. Tařçı
Berke Girgin	ESP32-Based Autonomous Self- Balancing Robot with Bluetooth PID Tuning	M. C. Efeler

Elif Parlar	Real- Time Plant Disease Detection System using Classical Machine Learning and Image Processing	M. C. Efeler
Mert Arda Uzun	Autonomous Anomaly Detection and Threat Estimation for UAV-Based Radar Systems Using Unsupervised Learning	M. C. Efeler