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Kişisel Bilgiler

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Publons / Web Of Science ResearcherID: AAE-4461-2020

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Yabancı Diller

Fransızca, C1 İleri

İngilizce, C1 İleri

Yönetilen Tezler

ERKMEN A. M., Real time dense slam in unstructured dynamic cluttered 3d environments, Doktora,
Ö.HASTÜRK(Öğrenci), 2022

ERKMEN A. M., Coriolis vibratory MEMS gyro drive axis control with proxy-based sliding mode controller, Doktora,
D.ÜNSAL(Öğrenci), 2022

ERKMEN A. M., Prediction of renal respiratory motion for compensation during percutaneous needle insertion in robot
assisted surgery, Yüksek Lisans, M.ÇETİN KAYA(Öğrenci), 2018

ERKMEN A. M., Implementation of fractional order controller for stabilized visual tracking system in real military
platforms, Yüksek Lisans, M.BAYINDIR(Öğrenci), 2018

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MOBILE ROBOTS, Yüksek Lisans, B.ÇETİN KAYA(Öğrenci), 2015

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ERKMEN A. M., Hibrid duyarga ağlarında asalak sabit kablosuz duyarga altağları ile hareketli duyarga altağları arasındaki
iletişime dayalı veri denetimi ve duyarga dağılımı., Doktora, S.Doğru(Öğrenci), 2012

- ERKMEN A. M., Yuvarlanma kontrollü bir füze için iki eksende gimbal kararlılığının sağlanması, Yüksek Lisans, Ö.Hastürk(Öğrenci), 2011
- GÖKÇAY D., ERKMEN A. M., Wavelet based deconvolution techniques in identifying fMRI based brain activation, Yüksek Lisans, E.ADLI(Öğrenci), 2011
- GÖKÇAY D., ERKMEN A. M., Blind deconvolution techniques in identifying fMRI based brain activation, Yüksek Lisans, H.İCLAL(Öğrenci), 2011
- ERKMEN A. M., Mechanical properties identification of viscoelastic/hyperelastic materials based on experimental data, Yüksek Lisans, A.TABAKCI(Öğrenci), 2010
- ERKMEN A. M., ERKMEN İ., A snake-like robot for searching, cleaning passages from debris and dragging victims, Yüksek Lisans, E.ÇAĞLAV(Öğrenci), 2006
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SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Energy-aware UAV-driven Data Collection with Priority in Robotic Wireless Sensor Network**
GÜL Ö. M., ERKMEN A. M.
IEEE Sensors Journal, cilt.23, sa.15, ss.17667-17675, 2023 (SCI-Expanded)
- II. **UAV-Driven Sustainable and Quality-Aware Data Collection in Robotic Wireless Sensor Networks**
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- III. **Coriolis Vibratory MEMS Gyro Drive Axis Control with Proxy-Based Sliding Mode Controller**
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MICROMACHINES, cilt.13, sa.3, 2022 (SCI-Expanded)
- IV. **DUDMap: 3D RGB-D mapping for dense, unstructured, and dynamic environment**
Hastürk Ö., Erkmen A. M.
International Journal of Advanced Robotic Systems, cilt.18, sa.3, 2021 (SCI-Expanded)
- V. **Energy-Efficient Cluster-Based Data Collection by a UAV with a Limited-Capacity Battery in Robotic Wireless Sensor Networks**
GÜL Ö. M., ERKMEN A. M.
SENSORS, cilt.20, sa.20, ss.1-35, 2020 (SCI-Expanded)
- VI. **Reshaping human intention in Human-Robot Interactions by robot moves A comparative analysis of HMM and OOM methods**
Durdu A., ERKMEN A. M., Yilmaz A.
INTERACTION STUDIES, cilt.20, sa.3, ss.530-560, 2019 (SSCI)
- VII. **Estimating and reshaping human intention via human robot interaction**
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- VIII. **Fluid swarm formation control for hand gesture imitation by ellipse fitting**
TİLKİ U., ERKMEN A. M.
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- IX. **Prioritized Mobile Robot Exploration Based on Percolation Enhanced Entropy Based Fast SLAM**
Karahan M., ERKMEN A. M., ERKMEN İ.
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- X. **Momentum Transfer from Preshape to Grasping**
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- XI. **A novel multirobot map fusion strategy for occupancy grid maps**
Topal S., ERKMEN İ., ERKMEN A. M.
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- XII. **Imitation of basic hand preshapes by fluid based method: fluidics formation control**
Tilki U., ERKMEN İ., ERKMEN A. M.
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- XIII. **An Intelligent Inference System for Robot Hand Optimal Grasp Preshaping**
BAYSAL C. V., ERKMEN A. M.
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- XIV. **Enhancing positioning accuracy of GPS/INS system during GPS outages utilizing artificial neural network**
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- XV. **Intelligent analysis of chaos roughness in regularity of walk for a two legged robot**
 Kaygisiz B., Erkmen I., Erkmen A.
 CHAOS SOLITONS & FRACTALS, cilt.29, sa.1, ss.148-161, 2006 (SCI-Expanded)
- XVI. **A Petri net approach to behavioural simulation of design artefacts with application to mechatronic design**
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- XVIII. **Two-way fuzzy adaptive identification and control of a flexible-joint robot arm**
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- XIX. **Mechatronics education**
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- XX. **Robot hand preshaping and regrasping using genetic algorithms**
 Erkmen I., Erkmen A., Gunver H.
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- XXI. **The multidisciplinary International Virtual Design Studio (MIVDS)**
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- XXII. **Optimal initialization of manipulation dynamics by vorticity model of robot hand preshaping. Part I: Vorticity model**
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- XXV. **A computerized diagnostic system for the interpretation of umbilical artery blood flow velocity waveforms**
 Beksac M., Basaran F., Eskiizmirliler S., Erkmen A., Yorukan S.
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- XXVI. **INTERPRETATION OF DOPPLER BLOOD-FLOW VELOCITY WAVE-FORMS USING NEURAL NETWORKS**
 BAYKAL N., REGGIA J., YALABIK N., ERKMEN A., BEKSAC M.
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- I. **Towards the robotic “avatar”: An extensive survey of the cooperation between and within networked mobile sensors**
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- II. **Percolation enhanced prioritised multi-robot exploration of unstructured environments**
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Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Formation Control of Unmanned Aerial Vehicles for Dynamically Changing Formations Facing Suddenly Emerging Environmental Features**
 Cimen S., ERKMEN A. M.
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- II. **Exact kalman filtering of respiratory motion**
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 6th International Conference on Control Engineering and Information Technology, CEIT 2018, İstanbul, Türkiye, 25 - 27 Ekim 2018
- III. **Achieving Asymptotically Optimal Throughput in Centralized Mobile Robot Networks without Dispatching Feedback**
 gul o. m., ERKMEN A. M.
 28th European Conference on Operational Research EURO2016, Polonya, 27 - 30 Temmuz 2016
- IV. **Elastic Networks in Reshaping Human Intentions by Proactive Social Robot Moves**
 Gorur O. C., ERKMEN A. M.
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- V. **Intelligent Mesh For Self Reconfigurability of an Exoskeleton Arm**
 altintasi c., ERKMEN A. M.
 19th IFAC (International Federation on Automatic Control) World Congress, 27 - 31 Ağustos 2014
- VI. **IMITATION OF HUMAN BODY POSES BY THE FORMATION CONTROL OF A FLUIDIC SWARM**
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- VII. **Improvisation Based on Imitating Human Players by a Robotic Acoustic Musical Device**
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- VIII. **Morphing Estimated Human Intention via Human-Robot Interactions**
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- XI. **A Novel Map Merging Methodology for Multi-Robot Systems**

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- XIII. **Momentum Transfer from the Fingers to Object Based on Fluid Dynamics**
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- XIV. **CATCHING CONTINUUM BETWEEN PRESHAPE AND GRASPING BASED ON FLUIDICS**
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- XVIII. **NEW PRIORITIZED MULTI-ROBOT EXPLORATION STRATEGY BASED ON PERCOLATION MODEL IN UNKNOWN ENVIRONMENTS**
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- XIX. **"Morphing a Mobile Robot Network to Dynamic Task Changes over time and space**
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- XX. **Intelligent Coordination of Multi-Robots for Victim Search Operations,**
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- XXV. **FACL based 3D grasping controller for a snake robot during locomotion**
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- XXVI. **Scalable self-deployment of mobile sensor networks: A fluid dynamics approach**
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- XXVII. **A behavior based layered, hybrid, control architecture for robot/sensor networks**
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- XXIX. **Equivalent linearization of 2-way fuzzy adaptive system under nonparametric uncertainty and inconsistency**
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- XXX. **Evaluation of inconsistency in a 2-way fuzzy adaptive system using shadowed sets**
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- XXXVI. **DESIGN OF A HOLONIC SELF-RECONFIGURABLE ROBOTIC SYSTEM**
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