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International Researcher IDs

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Publons / Web Of Science ResearcherID: N-9248-2013

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Education Information

Doctorate, The University of Nottingham, Department Of Electrical And Electronics Eng., United Kingdom 1988 - 1993

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, Turkey 1984 - 1987

Undergraduate, Istanbul Technical University, Elektrik Fakültesi, Enerji Pr., Turkey 1980 - 1984

Foreign Languages

English

Dissertations

Doctorate, Real-Time Identification of Rbot Dynamics Model Parameters Using Parallel Processing, The University Of Nottingham, Department Of Electrical And Electronics Eng., 1993

Postgraduate, Ters kinematik çözüm ve yeni bir robot kontrol dili önerilmesi , İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Elektronik Ve Haberleşme Mühendisliği Anabilim Dalı, 1987

Research Areas

Technical Sciences, Information Systems, Communication and Control Engineering, Control and System Engineering, Status Observers and Estimation, Discrete Time Systems and Computer Control, Robotics and Mechatronics Systems, Field and Service Robots, Mechatronic Systems, Route and Motion Planning

Academic Titles / Tasks

Professor, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 1985 - Continues

Associate Professor, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 1998 - 2006

Assistant Professor, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 1996 - 1998

Research Assistant, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 1985 - 1996

Academic and Administrative Experience

Head of Department, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 2020 - Continues

Head of Department, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 2017 - 2020

Fakülte Akademik Kurul Üyesi, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 2015 - 2018

İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, 2008 - 2009

Fakülte Kurulu Üyesi, Istanbul Technical University, Elektrik-Elektronik, Kontrol Ve Otomasyon Mühendisliği, 2003 - 2006

İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, 1999 - 2001

Courses

INTRODUCTION TO ROBOTICS, Undergraduate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012, 2010 - 2011, 2009 - 2010, 2008 - 2009, 2007 - 2008, 2006 - 2007, 2005 - 2006, 2004 - 2005

PROBABİLİSTİK METHODS IN ROBOTICS, Doctorate, 2016 - 2017, 2015 - 2016, 2014 - 2015, 2013 - 2014, 2012 - 2013, 2011 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Reference cage architecture for autonomous docking of mobile robots in automotive production systems**
Yılmaz A., Vit A. D., Savci I. H., Ocakli H., Temeltaş H.
International Journal of Advanced Manufacturing Technology, vol.129, no.7-8, pp.3497-3511, 2023 (SCI-Expanded)
- II. **A histogram-based sampling method for point cloud registration**
Ervan O., Temeltaş H.
Photogrammetric Record, vol.38, no.183, pp.210-232, 2023 (SCI-Expanded)
- III. **3D generalized bias compensated pseudolinear Kalman filter for colored noisy bearings-only measurements**
Kaba U., Temeltaş H.
ISA Transactions, vol.139, pp.263-271, 2023 (SCI-Expanded)
- IV. **A precise scan matching based localization method for an autonomously guided vehicle in smart factories**
Yılmaz A., Sümer E., Temeltaş H.
ROBOTICS AND COMPUTER-INTEGRATED MANUFACTURING, vol.75, 2022 (SCI-Expanded)
- V. **Improving Navigation Stack of a ROS-Enabled Industrial Autonomous Mobile Robot (AMR) to be Incorporated in a Large-Scale Automotive Production**
Savci I. H., Yılmaz A., Karaman S., Ocakli H., Temeltaş H.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.120, no.5-6, pp.3647-3668, 2022 (SCI-Expanded)
- VI. **Robust affine registration method using line/surface normals and correntropy criterion**
Yılmaz A., Temeltaş H.
COMPLEX & INTELLIGENT SYSTEMS, vol.8, pp.1-19, 2022 (SCI-Expanded)
- VII. **Generalized bias compensated pseudolinear Kalman filter for colored noisy bearings-only measurements**

Kaba U., Temeltaş H.

SIGNAL PROCESSING, vol.190, 2022 (SCI-Expanded)

- VIII. **Integration of affine ICP into the precise localization problem of smart-AGVs: Procedures, enhancements and challenges**
Yılmaz A., Temeltaş H.
TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.43, no.8, pp.1695-1709, 2021 (SCI-Expanded)
- IX. **Guided Soft Actor Critic: A Guided Deep Reinforcement Learning Approach for Partially Observable Markov Decision Processes**
Haklıdır M., Temeltaş H.
IEEE ACCESS, vol.9, pp.159672-159683, 2021 (SCI-Expanded)
- X. **Evaluation of 3D LiDAR Sensor Setup for Heterogeneous Robot Team**
Haddeler G., Aybakan A., Akay M. C., Temeltaş H.
JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.100, no.2, pp.689-709, 2020 (SCI-Expanded)
- XI. **Constructing common height maps with various entropy-based similarity metrics and utilizing layering method for heterogeneous robot teams**
Akay M. S., Temeltaş H.
INDUSTRIAL ROBOT-THE INTERNATIONAL JOURNAL OF ROBOTICS RESEARCH AND APPLICATION, vol.47, no.6, pp.889-902, 2020 (SCI-Expanded)
- XII. **Multi-Robot Energy-Efficient Coverage Control with Hopfield Networks**
Turanlı M., Temeltaş H.
STUDIES IN INFORMATICS AND CONTROL, vol.29, no.2, pp.179-188, 2020 (SCI-Expanded)
- XIII. **Exact flow of particles using for state estimations in unmanned aerial systems' navigation**
Duymaz E., Oguz A. E., Temeltaş H.
PLOS ONE, vol.15, no.4, 2020 (SCI-Expanded)
- XIV. **Anticipatory Control of Momentum for Bipedal Walking on Uneven Terrain**
Darici O., Temeltaş H., Kuo A. D.
SCIENTIFIC REPORTS, vol.10, no.1, 2020 (SCI-Expanded)
- XV. **Multi-Robot Workspace Allocation with Hopfield Networks and Imprecise Localization**
Turanlı M., Temeltaş H.
ACTA POLYTECHNICA HUNGARICA, vol.17, no.5, pp.169-188, 2020 (SCI-Expanded)
- XVI. **Self-adaptive Monte Carlo method for indoor localization of smart AGVs using LIDAR data**
Yılmaz A., Temeltaş H.
ROBOTICS AND AUTONOMOUS SYSTEMS, vol.122, 2019 (SCI-Expanded)
- XVII. **Optimal regulation of bipedal walking speed despite an unexpected bump in the road**
Darici O., Temeltaş H., Kuo A. D.
PLOS ONE, vol.13, no.9, 2018 (SCI-Expanded)
- XVIII. **A quantized approach for occupancy grids for autonomous vehicles: Q-Trees**
Sencan O., Temeltaş H.
ADVANCED ROBOTICS, vol.32, no.11, pp.575-589, 2018 (SCI-Expanded)
- XIX. **Patterns of approximated localised moments for visual loop closure detection**
Erhan C., Sariyanidi E., Sencan O., Temeltaş H.
IET COMPUTER VISION, vol.11, no.3, pp.237-245, 2017 (SCI-Expanded)
- XX. **Particle flow filter as a novel state estimation method for simultaneous localization and mapping problem**
Duymaz E., Oguz A. E., Temeltaş H.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.32, no.4, pp.1255-1270, 2017 (SCI-Expanded)
- XXI. **Whole body motion control of humanoid robots using bilateral control**
Sariyildiz E., Temeltaş H.
TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.25, no.2, pp.1495-1509, 2017

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- XXII. **A Fast and Robust Feature-Based Scan-Matching Method in 3D SLAM and the Effect of Sampling Strategies**
 Ulas C., Temeltaş H.
 INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.10, 2013 (SCI-Expanded)
- XXIII. **3D Multi-Layered Normal Distribution Transform for Fast and Long Range Scan Matching**
 Ulas C., Temeltas H.
 JOURNAL OF INTELLIGENT & ROBOTIC SYSTEMS, vol.71, no.1, pp.85-108, 2013 (SCI-Expanded)
- XXIV. **On the Consistency Analyzing of A SLAM for UAV Navigating in GNSS Denied Environment**
 Oguz A. E., Temeltaş H.
 ACTA POLYTECHNICA HUNGARICA, vol.10, no.4, pp.119-132, 2013 (SCI-Expanded)
- XXV. **FEATURE-BASED 3D OUTDOOR SLAM WITH LOCAL FILTERS**
 Ulas C., Temeltas H.
 INTERNATIONAL JOURNAL OF ROBOTICS & AUTOMATION, vol.28, no.3, pp.226-233, 2013 (SCI-Expanded)
- XXVI. **A new formulation method for solving kinematic problems of multiarm robot systems using quaternion algebra in the screw theory framework**
 Sariyildiz E., Temeltas H.
 TURKISH JOURNAL OF ELECTRICAL ENGINEERING AND COMPUTER SCIENCES, vol.20, no.4, pp.607-628, 2012 (SCI-Expanded)
- XXVII. **Performance Analysis of Numerical Integration Methods in the Trajectory Tracking Application of Redundant Robot Manipulators**
 Sariyıldız E., Temeltaş H.
 INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.8, no.5, pp.25-38, 2011 (SCI-Expanded)
- XXVIII. **Using Linde Buzo Gray Clustering Neural Networks for Solving the Motion Equations of a Mobile Robot**
 Aydin S., Kilic I., Temeltas H.
 ARABIAN JOURNAL FOR SCIENCE AND ENGINEERING, vol.36, no.5, pp.795-807, 2011 (SCI-Expanded)
- XXIX. **A Comparative Study of Three Inverse Kinematic Methods of Serial Industrial Robot Manipulators in the Screw Theory Framework**
 Sariyildiz E., Cakray E., Temeltaş H.
 INTERNATIONAL JOURNAL OF ADVANCED ROBOTIC SYSTEMS, vol.8, no.5, pp.9-24, 2011 (SCI-Expanded)
- XXX. **Dynamical Modeling of Cooperating Underactuated Manipulators for Space Manipulation**
 Yesiloglu S. M., Temeltaş H.
 ADVANCED ROBOTICS, vol.24, no.3, pp.325-341, 2010 (SCI-Expanded)
- XXXI. **Behavioral task processing for cognitive robots using artificial emotions**
 Dağlarlı E., Temeltas H., YESILOGLU M.
 NEUROCOMPUTING, vol.72, pp.2835-2844, 2009 (SCI-Expanded)
- XXXII. **SLAM for Robot Navigation**
 Temeltaş H., KAVAK D.
 IEEE AEROSPACE AND ELECTRONIC SYSTEMS MAGAZINE, vol.23, no.12, pp.16-19, 2008 (SCI-Expanded)
- XXXIII. **Decoupled approach to integrated optimum design of structures and robust control systems**
 BOZCA M., MUGAN A., Temeltaş H.
 STRUCTURAL AND MULTIDISCIPLINARY OPTIMIZATION, vol.36, no.2, pp.169-191, 2008 (SCI-Expanded)
- XXXIV. **A new approach to map building by sensor data fusion: sequential principal component-SPC method**
 Yenilmez L., Temeltas H.
 INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, vol.34, pp.168-178, 2007 (SCI-Expanded)
- XXXV. **State observation for elastoplastic friction models in positioning systems by utilizing Leunberger observers**
 Temeltas H., AKTAS G.
 PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART I-JOURNAL OF SYSTEMS AND CONTROL

- ENGINEERING, vol.220, pp.417-426, 2006 (SCI-Expanded)
- XXXVI. **Hardware in the loop robot simulators for on site and remote education in robotics**
Temeltaş H., GÖKAŞAN M., Bogosyan S.
INTERNATIONAL JOURNAL OF ENGINEERING EDUCATION, vol.22, no.4, pp.815-828, 2006 (SCI-Expanded)
- XXXVII. **Fuzzy-differential evolution algorithm for planning time-optimal trajectories of a unicycle mobile robot on a predefined path**
Aydin S., Temeltas H.
ADVANCED ROBOTICS, vol.18, no.7, pp.725-748, 2004 (SCI-Expanded)
- XXXVIII. **REAL-TIME IDENTIFICATION OF ROBOT - DYNAMIC PARAMETERS USING PARALLEL-PROCESSING .2. IMPLEMENTATION AND TESTING**
TEMELTAS H., ASHER G.
IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, vol.142, no.4, pp.369-377, 1995 (SCI-Expanded)
- XXXIX. **REAL-TIME IDENTIFICATION OF ROBOT - DYNAMIC PARAMETERS USING PARALLEL-PROCESSING .1. THEORY**
TEMELTAS H., ASHER G.
IEE PROCEEDINGS-CONTROL THEORY AND APPLICATIONS, vol.142, no.4, pp.359-368, 1995 (SCI-Expanded)

Articles Published in Other Journals

- I. **A New Motion Planning Framework based on the Quantized LQR Method for Autonomous Robots**
Sencan O., Temeltaş H.
INTERNATIONAL JOURNAL OF ADVANCED COMPUTER SCIENCE AND APPLICATIONS, vol.9, no.1, pp.362-374, 2018 (ESCI)
- II. **Power Aware Adaptive Coverage Control with Consensus Protocol**
Turranlı M., TEMELTAŞ H.
Journal of Automation and Control Engineering, vol.4, no.6, pp.383-388, 2016 (Peer-Reviewed Journal)
- III. **Adaptive Coverage Control with Power Aware Control Laws and Exponential Forgetting**
Turanlı M., TEMELTAŞ H.
International Journal of Applied Mathematics and Informatics, vol.10, pp.86-91, 2016 (Peer-Reviewed Journal)
- IV. **Multi Agent Coverage Control with Bounded Gain Forgetting Composite Adaptive Controller**
Turanlı M., TEMELTAŞ H.
International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering, vol.10, no.12, pp.1406-1413, 2016 (Peer-Reviewed Journal)
- V. **A Dynamic Simulator Design for Humanoid Robots**
Saiyildiz E., TEMELTAŞ H.
International Journal of Engineering Science and Innovative Technology (IJESIT), vol.4, no.6, pp.8-19, 2015 (Peer-Reviewed Journal)
- VI. **GENİŞLETİLMİŞ KALMAN FİLTRESİ GKF TABANLI UÇAK ÜZERİ EŞ ZAMANLI KONUMLAMA VE HARİTALAMA U EZKH**
OĞUZ A. E., TEMELTAŞ H.
Havacılık ve Uzak Teknolojileri Dergisi, vol.6, no.2, pp.69-74, 2013 (Peer-Reviewed Journal)
- VII. **Potential field based navigation task for autonomous flight control of unmanned aerial vehicles**
Cetin O., KURNAZ S., Kaynak O., TEMELTAŞ H.
International Journal of Automation and Control, vol.5, no.1, pp.1-21, 2011 (Scopus)
- VIII. **SENSÖR VERİSİ BİRLEŞTİRME TEKNİKLERİ VE HEDEF İZLEME SİSTEMİNE UYGULANMASI**
DOKUMACI N., TEMELTAŞ H.
Havacılık ve Uzak Teknolojileri Dergisi, vol.4, no.3, pp.33-40, 2010 (Peer-Reviewed Journal)
- IX. **DİKEY İNİŞ KALKIŞ YAPABİLEN DÖRT ROTORLU HAVA ARACININ QUADROTOR UÇUŞ KONTROLÜ**
DİKMEN İ. C., ARISOY A., TEMELTAŞ H.
Havacılık ve Uzak Teknolojileri Dergisi, vol.4, no.1, pp.77-87, 2010 (Peer-Reviewed Journal)

- X. **Flight control of a VTOL air vehicle**
I Can D., ARISOY A., TEMELTAŞ H.
JOURNAL OF AERONAUTICS AND SPACE TECHNOLOGIES, vol.4, no.3, pp.33-40, 2010 (Peer-Reviewed Journal)
- XI. **OPTİK AKIŞIN HESAPLANMASI VE YAPAY SİNİR AĞLARI İLE YORUMLANARAK MOBİL ROBOTLAR İÇİN ENGEL TESPİTİ VE KAÇINMA DAVRANIŞINDA KULLANILMASI**
DUR E., TEMELTAŞ H., KURNAZ S.
Havacılık ve Uzay Teknolojileri Dergisi, vol.4, no.1, pp.77-87, 2009 (Peer-Reviewed Journal)

Books & Book Chapters

- I. **Planar-Feature Based 3D SLAM Using Randomized Sigma Point Kalman Filters**
ULAŞ C., TEMELTAŞ H.
in: Advances in Estimation Navigation and Spacecraft Control, Daniel Choukroun, Yaakov Oshman, Julie Thienel, Moshe Idan, Editor, Springer, pp.119-134, 2015
- II. **Formation graphs and decentralized formation control of multi vehicles with kinematics constraints**
Sisli U., TEMELTAŞ H.
in: Springer Tracts in Advanced Robotics, Herman Bruyninckx, Libor Přeucil, Miroslav Kulich, Editor, Springer, pp.93-101, 2008

Refereed Congress / Symposium Publications in Proceedings

- I. **Autonomous Driving Systems for Decision-Making Under Uncertainty Using Deep Reinforcement Learning Derin Pekiştirmeli Öğrenme Kullanan Belirsizlik Altında Karar Verme Odaklı Otonom Sürüş Sistemleri**
Haklıdır M., Temeltaş H.
30th Signal Processing and Communications Applications Conference, SIU 2022, Safranbolu, Turkey, 15 - 18 May 2022
- II. **Feasibility Analysis of Path Planning Algorithms**
Allozi E., Yılmaz A., Ervan O., Temeltaş H.
16th International Conference on INnovations in Intelligent SysTems and Applications, INISTA 2022, Biarritz, France, 8 - 12 August 2022
- III. **An Autonomous Robotic System for Ground Surface and Subsurface Imaging**
Yılmaz A., Ervan O., Temeltaş H., Akduman İ.
8th International Conference on Engineering and Emerging Technologies, ICEET 2022, Kuala-Lumpur, Malaysia, 27 - 28 October 2022
- IV. **Fuzzy Controlled Adaptive Follow the Gap Obstacle Avoidance Algorithm**
Yücel B., YILMAZ A., ERVAN O., TEMELTAŞ H.
7th International Conference on Robotics and Artificial Intelligence (ICRAI 2021), Guangzhou, China, 19 - 22 November 2021
- V. **Tensor Voting Based 3-D Point Cloud Processing for Downsampling and Registration**
ERVAN O., TEMELTAŞ H.
2020 6th International Conference on Robotics and Artificial Intelligence, 20 - 22 November 2020
- VI. **Robust Affine Iterative Closest Point Variant Using Point-to-line Metric and Correntropy Criterion**
YILMAZ A., TEMELTAŞ H.
2019 11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.537-541
- VII. **ROS Architecture for Indoor Localization of Smart-AGVs Based on SA-MCL Algorithm**
YILMAZ A., TEMELTAŞ H.
2019 11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30

November 2019, pp.885-889

- VIII. **AFFINE ICP FOR FINE LOCALIZATION OF SMART-AGVS IN SMART FACTORIES**
Yılmaz A., Temeltaş H.
ASME International Design Engineering Technical Conferences / Computers and Information in Engineering Conference, California, United States Of America, 18 - 21 August 2019
- IX. **A 3D LiDAR Dataset of ITU Heterogeneous Robot Team**
Aybakan A., Haddeler G., Akay M. C., ERVAN O., TEMELTAŞ H.
5th International Conference on Robotics and Artificial Intelligence, Singapore, Singapore, 22 - 24 November 2019
- X. **Multi-Robot Collaborative Coverage Under Localization Uncertainty**
TEMELTAŞ H., TURANLI M.
2019 IEEE International Conference on Mechatronics and Automation (ICMA), Tianjin, China, 4 - 07 August 2019, pp.1999-2005
- XI. **An Improvement on SA-MCL Algorithm: Ellipse Based Energy Grids**
Yılmaz A., TEMELTAŞ H.
6th International Conference on Control Engineering Information Technology, İstanbul, Turkey, 25 October - 28 January 2018
- XII. **Downsampling of a 3D LiDAR Point Cloud by a Tensor Voting Based Method**
Ervan O., Temeltaş H.
11th International Conference on Electrical and Electronics Engineering (ELECO), Bursa, Turkey, 28 - 30 November 2019, pp.880-884
- XIII. **Map Matching Performance under Various Similarity Metrics for Heterogeneous Robot Teams**
Akay C., Aybakan A., TEMELTAŞ H.
ICRI 2018: 20th International Conference on Robot Intelligence, Prag, Czech Republic, 13 - 14 August 2018, vol.12, pp.884-888
- XIV. **An Improvement on SA-MCL Algorithm: Ellipse Based Energy Grids**
YILMAZ A., TEMELTAŞ H.
2018 6th International Conference on Control Engineering Information Technology (CEIT), Istanbul, Turkey, Turkey, 25 - 27 October 2018
- XV. **Bird Eye View Transformation for 3D LIDAR Data in Real Time**
Al Mamun A., Aybakan A., TEMELTAŞ H.
3rd International Mediterranean Science and Engineering Congress, Adana, Turkey, 24 - 26 October 2018
- XVI. **Kendinden Uyarlamalı Monte Carlo Konumlama Algoritması için Elips Tabanlı Yeni Bir Enerji Hesap Yöntemi ve Akıllı AGV'lere Uygulaması**
YILMAZ A., TEMELTAŞ H.
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- XVII. **Otonom Liman Operasyonlarında Otomatik Yönlendirilmiş Araç Kullanımı: Terminal Çekicisi ile Yönlendirme Algoritması Karşılaştırma Çalışması**
ATAK Ü., TEMELTAŞ H., ÇİÇEK K.
TOK2018 Otomatik Kontrol Ulusal Toplantısı, Turkey, 12 - 14 September 2018
- XVIII. **Workspace Allocation for Team of Robots with Different Actuation Capabilities**
Turanli M., Temeltaş H.
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- XIX. **Feature extraction of EMG signals, classification with ANN and kNN algorithms**
Cerci C., TEMELTAŞ H.
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- XX. **Real-time visual loop closure detection for unmanned aerial vehicles**
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Autonomous Vehicles and Machines 2018, 28 January - 01 February 2018
- XXI. **A Real-Time Localization Method For AGVs In Smart Factories**
TEMELTAŞ H.

III International Scientific Conference on High Technologies Business Society, Brovest, Bulgaria, 12 - 15 March 2018, pp.9-14

- XXII. **Adaptive Coverage Control with Guaranteed Power Voronoi Diagrams**
Turanli M., Temeltaş H.
4th International Conference on Systems and Informatics (ICSAI), Hangzhou, China, 11 - 13 November 2017, pp.7-13
- XXIII. **MECHANICAL CONSEQUENCES OF STEPPING ON AN UNANTICIPATED BUMP WHILE WALKING**
Daricic O., TEMELTAŞ H., Kuo A.
XXVI Congress of the International Society of Biomechanics 2017, 23 July - 27 December 2017
- XXIV. **ANTICIPATORY SPEED CHANGES FOR OPTIMAL HUMAN WALKING ON UNEVEN TERRAIN**
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- XXV. **Efficient visual loop closure detection in different times of day**
Erhan C., Sencan O., Sariyanidi E., TEMELTAŞ H.
Electronic Imaging 2017 : IST International Symposium on Electronic Imaging 2017, San-Francisco, Costa Rica, 29 January - 02 February 2017, pp.5-9
- XXVI. **Transversal Positioned (TRAP) 2D Laser Range Finder Configuration**
Ervan O., Sencan O., Temeltaş H.
27th Annual Symposium of the Pattern-Recognition-Association-of-South-Africa / 9th Robotics and Mechatronics Conference of South Africa (Robmech), Stellenbosch, South Africa, 30 November - 02 December 2016
- XXVII. **Diagonal 2 Boyutlu Lazer Yerleşimi d2Bly Algoritması**
Ervan O., Şencan O., TEMELTAŞ H.
2016 Otomatik Kontrol Ulusal Toplantısı, Turkey, 29 September - 01 October 2016, pp.377-381
- XXVIII. **Ters Sarkaç Kendini Dengeleyen Robot**
Efe A., Şencan O., TEMELTAŞ H.
2016 Otomatik Kontrol Ulusal Toplantısı, Turkey, 29 September 2016 - 01 January 2017, pp.796-801
- XXIX. **Power Aware Adaptive Coverage Control with Consensus Protocol**
Turanli M., TEMELTAŞ H.
2nd International Conference on Mechanical Manufacturing and Control, ICMMC 2015, Lisbon, Portugal, 23 - 25 November 2015
- XXX. **Sliding Mode Control of the Simplest Walking Model**
Darici O., Temeltaş H.
IEEE International Conference on Mechatronics & Automation, Beijing, China, 2 - 05 August 2015, pp.2553-2558
- XXXI. **Beware of the bump Optimal strategy to traverse a stepheight perturbation**
Darici O., TEMELTAŞ H., Kuo A. D.
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- XXXII. **Performance Analysis of Filter Based Airborne Simultaneous Localization and Mapping Methods**
Duyamaz E., Oguz A. E., Temeltaş H.
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.157-162
- XXXIII. **An Online Visual Loop Closure Detection Method for Indoor Robotic Navigation**
Erhan C., Sariyanidi E., Sencan O., Temeltaş H.
Conference on Intelligent Robots and Computer Vision XXXII - Algorithms and Techniques, San-Francisco, Costa Rica, 9 - 10 February 2015, vol.9406
- XXXIV. **Planar features and 6D SLAM based on linear regression Kalman filters with n dimensional approximated Gaussians**
Ulas C., TEMELTAŞ H.
19th IFAC World Congress on International Federation of Automatic Control, IFAC 2014, 24 - 29 August 2014, pp.10194-10199
- XXXV. **An Exact Dynamic Model for the Thomas-K Biped Robot: New Simulator Design**
Sariyildiz E., Temeltaş H.

11th IEEE International Conference on Mechatronics and Automation (ICMA), Tianjin, China, 3 - 06 August 2014, pp.2066-2071

XXXVI. On the consistency analysis of A-SLAM for UAV navigation

Oguz A. E., Temeltaş H.

Conference on Unmanned Systems Technology XVI, Maryland, United States Of America, 6 - 08 May 2014, vol.9084

XXXVII. Graphical model inference algorithms for map sparsification

Sencan O., TEMELTAŞ H.

1st IFAC Workshop on Advances in Control and Automation Theory for Transportation Applications, ACATTA 2013, Turkey, 16 - 17 September 2013

XXXVIII. SEIF Based 6D SLAM Using Planar Features in Large Scale and Outdoor Environment

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Non Academic Experience

Altınay Robotik ve Otomasyon Sis.

GENELKURMAY BAŞKANLIĞI

The University of Nottingham