

## Prof. Dr. TANKUT ACARMAN

### Kişisel Bilgiler

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### Uluslararası Araştırmacı ID'leri

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Publons / Web Of Science ResearcherID: AAB-4894-2020

ScopusID: 6602616551

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### Eğitim Bilgileri

Doktora, Ohio State University, Elektrik Ve Bilgisayar Mühendisliği, Amerika Birleşik Devletleri 1998 - 2002

Yüksek Lisans, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Kontrol Ve Otomasyon Mühendisliği Bölümü, Türkiye 1993 - 1996

Lisans, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Türkiye 1989 - 1993

### Yabancı Diller

Fransızca, C1 İleri

İngilizce, C1 İleri

### Araştırma Alanları

Bilgisayar Ağları, Haberleşme ve Ağ Protokolleri , Yapay Zeka, Bilgisayarda Öğrenme ve Örüntü Tanıma

### Akademik Unvanlar / Görevler

Prof.Dr., Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2016 - Devam Ediyor

Doç.Dr., Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 2010 - 2016

Yrd.Doç.Dr., Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği, 1994 - 2010

Araştırma Görevlisi, Ohio State University, Electrical And Computer Engineering Department, Electrical And Computer Engineering Department, 1998 - 2002

Araştırma Görevlisi, İstanbul Teknik Üniversitesi, Elektrik-Elektronik Fakültesi, Kontrol Ve Otomasyon Mühendisliği Bölümü, 1994 - 1997

### Akademik İdari Deneyim

Bölüm Başkanı, Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2022

Anabilim/Bilim Dalı Başkanı, Galatasaray Üniversitesi, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2022  
Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, 2008 - 2015

## Yönetilen Tezler

- ACARMAN T., EVALUATION OF COSINE SIMILARITY FEATURE RESULTS WITH DIFFERENT EXPERIMENTAL SETUPS FOR NAMED ENTITY RECOGNITION ON TWEETS, Yüksek Lisans, O.BÜYÜKTOPAÇ(Öğrenci), 2019
- ACARMAN T., Multi-object tracking by associations on temporal window, Yüksek Lisans, G.GÜNDÜZ(Öğrenci), 2018
- ACARMAN T., Evaluation of Cosine Similarity Feature Results with Different Experimental Setups for Named Entity Recognition on Tweets, Yüksek Lisans, O.BÜYÜKTOPAÇ(Öğrenci), 2018
- ACARMAN T., Vehicle tracking by fusing monocular camera and vehicle to vehicle communication on a real time basis, Yüksek Lisans, M.TEKELİ(Öğrenci), 2017
- ACARMAN T., A feature based simple machine learning approach with word embeddings to named entity recognition on tweets, Yüksek Lisans, M.TAŞPINAR(Öğrenci), 2017
- ACARMAN T., Comparison of dimensionality reduction techniques applied to driving event dataset, Yüksek Lisans, C.ÇETİN(Öğrenci), 2016
- ACARMAN T., Intersection-based routing protocol for vehicular AD-HOC networks, Yüksek Lisans, Ç.YAMAN(Öğrenci), 2016
- ACARMAN T., Driver's maneuvering recognition and assistance system based on particle filter, Yüksek Lisans, E.NURDAN(Öğrenci), 2016
- ACARMAN T., Helping metonymy recognition and treatment through named entity recognition, Yüksek Lisans, H.BURCU(Öğrenci), 2016
- ACARMAN T., Texture based satellite visibility detection, Yüksek Lisans, C.GÖÇMENOĞLU(Öğrenci), 2014
- ACARMAN T., Comparison and combination of named entity recognition tools applied to biographic texts, Yüksek Lisans, S.ATDAĞ(Öğrenci), 2013
- ACARMAN T., Dynamic object detection and tracking using sensor fusion and particle filter, Yüksek Lisans, B.PELENK(Öğrenci), 2013
- ACARMAN T., Managing genetic algorithm parameters to improve SegGen a thematic segmentation algorithm, Yüksek Lisans, N.ŞİRİN(Öğrenci), 2013
- ACARMAN T., Image feature based object description, detection and real time tracking, Yüksek Lisans, R.YILDIZ(Öğrenci), 2013
- ACARMAN T., Multi-hop propagation of safety messages for vehicular ad-hoc networks, Yüksek Lisans, Y.PEKŞEN(Öğrenci), 2013
- ACARMAN T., Measurement of human driver's authority and implementation of assistance system on a simulator study, Yüksek Lisans, P.ULUER(Öğrenci), 2012
- ACARMAN T., Behavior based malicious software detection and classification, Yüksek Lisans, A.PEKTAŞ(Öğrenci), 2012
- ACARMAN T., Security and privacy in vehicular networks, Yüksek Lisans, A.OSMAN(Öğrenci), 2010
- ACARMAN T., Dynamic memory scheduling to enhance processing performance, Yüksek Lisans, M.ERCAN(Öğrenci), 2009
- ACARMAN T., A new driver warning system development and its implementation on a real-time basis, Yüksek Lisans, B.ÇAYIR(Öğrenci), 2009
- ACARMAN T., Cluster design for inter-vehicle communication, Yüksek Lisans, Ö.KAYIŞ(Öğrenci), 2008

## SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- Late sensor fusion approach with a designed multi-segmentation network**  
Çaldıran B. E., ACARMAN T.  
Neural Computing and Applications, cilt.36, sa.27, ss.17125-17143, 2024 (SCI-Expanded)

- II. **Embodied Footprints: A Safety-Guaranteed Collision-Avoidance Model for Numerical Optimization-Based Trajectory Planning**  
Li B., Zhang Y., Zhang T., ACARMAN T., Ouyang Y., Li L., Dong H., Cao D.  
IEEE Transactions on Intelligent Transportation Systems, cilt.25, sa.2, ss.2046-2060, 2024 (SCI-Expanded)
- III. **Recent Advances in Motion Planning and Control of Autonomous Vehicles**  
Li B., Chen X., ACARMAN T., Li X., Zhang Y.  
Electronics (Switzerland), cilt.12, sa.23, 2023 (SCI-Expanded)
- IV. **Optimization-Based Trajectory Planning for Autonomous Parking With Irregularly Placed Obstacles: A Lightweight Iterative Framework**  
Li B., ACARMAN T., Zhang Y., Ouyang Y., Yaman C., Kong Q., Zhong X., Peng X.  
IEEE TRANSACTIONS ON INTELLIGENT TRANSPORTATION SYSTEMS, cilt.23, sa.8, ss.11970-11981, 2022 (SCI-Expanded)
- V. **Evaluation of Takeover Time Performance of Drivers in Partially Autonomous Vehicles Using a Wearable Sensor**  
Dogan D., Estrada O. S., ACARMAN T.  
JOURNAL OF SENSORS, cilt.2022, 2022 (SCI-Expanded)
- VI. **Optimization-Based Maneuver Planning for a Tractor-Trailer Vehicle in a Curvy Tunnel: A Weak Reliance on Sampling and Search**  
Li B., Li L., ACARMAN T., Shao Z., Yue M.  
IEEE ROBOTICS AND AUTOMATION LETTERS, cilt.7, sa.2, ss.706-713, 2022 (SCI-Expanded)
- VII. **A Traffic Sign Detection System Linking Hypothesis Tests and Deep Learning Networks**  
ÇETİNKAYA M., ACARMAN T.  
INTERNATIONAL JOURNAL OF PATTERN RECOGNITION AND ARTIFICIAL INTELLIGENCE, cilt.36, sa.03, 2022 (SCI-Expanded)
- VIII. **Time-dependent Dijkstra's algorithm under bipolar neutrosophic fuzzy environment**  
ÇAKIR E., Ulukan Z., ACARMAN T.  
Journal of Intelligent and Fuzzy Systems, cilt.42, sa.1, ss.227-236, 2022 (SCI-Expanded)
- IX. **Optimal Cooperative Maneuver Planning for Multiple Nonholonomic Robots in a Tiny Environment via Adaptive-Scaling Constrained Optimization**  
Li B., Ouyang Y., Zhang Y., ACARMAN T., Kong Q., Shao Z.  
IEEE ROBOTICS AND AUTOMATION LETTERS, cilt.6, sa.2, ss.1511-1518, 2021 (SCI-Expanded)
- X. **Learning to detect Android malware via opcode sequences**  
Pektas A., ACARMAN T.  
NEUROCOMPUTING, cilt.396, ss.599-608, 2020 (SCI-Expanded)
- XI. **VEHICLE TRAVEL TIME ESTIMATION USING SEQUENCE PREDICTION**  
Gunduz G., ACARMAN T.  
PROMET-TRAFFIC & TRANSPORTATION, cilt.32, sa.1, ss.1-12, 2020 (SCI-Expanded)
- XII. **Deep learning for effective Android malware detection using API call graph embeddings**  
Pektas A., ACARMAN T.  
SOFT COMPUTING, cilt.24, sa.2, ss.1027-1043, 2020 (SCI-Expanded)
- XIII. **Evaluation of driver stress level with survey, galvanic skin response sensor data, and force-sensing resistor data**  
Dogan D., Estrada O. S., ACARMAN T.  
ADVANCES IN MECHANICAL ENGINEERING, cilt.11, sa.12, 2019 (SCI-Expanded)
- XIV. **Deep learning to detect botnet via network flow summaries**  
Pektas A., ACARMAN T.  
NEURAL COMPUTING & APPLICATIONS, cilt.31, sa.11, ss.8021-8033, 2019 (SCI-Expanded)
- XV. **A deep learning method to detect network intrusion through flow-based features**  
Pektas A., ACARMAN T.  
INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, cilt.29, sa.3, 2019 (SCI-Expanded)
- XVI. **Botnet detection based on network flow summary and deep learning**

- Pektas A., ACARMAN T.  
INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, cilt.28, sa.6, 2018 (SCI-Expanded)
- XVII. Malware classification based on API calls and behaviour analysis**  
Pektas A., ACARMAN T.  
IET INFORMATION SECURITY, cilt.12, sa.2, ss.107-117, 2018 (SCI-Expanded)
- XVIII. Classification of malware families based on runtime behaviors**  
Pektas A., ACARMAN T.  
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, cilt.37, ss.91-100, 2017 (SCI-Expanded)
- XIX. Texture-Based Satellite Visibility Detection for Efficient 3D-Model-Aided GNSS**  
ACARMAN T., Gocmenoglu C.  
IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES, sa.2, ss.432-439, 2017 (SCI-Expanded)
- XX. VANET-Assisted Cooperative Vehicle Mutual Positioning: Feasibility Study**  
Peker A. U., ACARMAN T.  
IEICE TRANSACTIONS ON FUNDAMENTALS OF ELECTRONICS COMMUNICATIONS AND COMPUTER SCIENCES, sa.2, ss.448-456, 2017 (SCI-Expanded)
- XXI. A dynamic malware analyzer against virtual machine aware malicious software**  
Pektas A., ACARMAN T.  
SECURITY AND COMMUNICATION NETWORKS, cilt.7, sa.12, ss.2245-2257, 2014 (SCI-Expanded)
- XXII. Extremum-Seeking Control of ABS Braking in Road Vehicles With Lateral Force Improvement**  
DİNÇMEN E., AKSUN GÜVENÇ B., ACARMAN T.  
IEEE TRANSACTIONS ON CONTROL SYSTEMS TECHNOLOGY, cilt.22, sa.1, ss.230-237, 2014 (SCI-Expanded)
- XXIII. Processing Capacity and Response Time Enhancement by Using Iterative Learning Approach with an Application to Insurance Policy Server Operation**  
Ercan M., ACARMAN T.  
INTERNATIONAL JOURNAL OF COMPUTERS COMMUNICATIONS & CONTROL, cilt.8, sa.4, ss.514-524, 2013 (SCI-Expanded)
- XXIV. Propulsion system design of a hybrid electric vehicle**  
Uygan I. M. C., Hartavi A. E., Guevenc L., Sezer V., ACARMAN T.  
INTERNATIONAL JOURNAL OF VEHICLE DESIGN, cilt.52, ss.96-118, 2010 (SCI-Expanded)
- XXV. Framework for development of driver adaptive warning and assistance systems that will be triggered by a driver inattention monitor**  
Aytekin B., Dincmen E., Guevenc B. A., Altuğ E., Guevenc L., Danis S., ACARMAN T., Sezer V., Ararat O., Oencue S.  
International Journal of Vehicle Design, cilt.52, ss.20-37, 2010 (SCI-Expanded)
- XXVI. Nonlinear optimal integrated vehicle control using individual braking torque and steering angle with on-line control allocation by using state-dependent Riccati equation technique**  
ACARMAN T.  
Vehicle System Dynamics, cilt.47, sa.2, ss.155-177, 2009 (SCI-Expanded)
- XXVII. Rollover prevention for heavy trucks using frequency shaped sliding mode control**  
Acarman T., Ozguner U.  
VEHICLE SYSTEM DYNAMICS, cilt.44, sa.10, ss.737-762, 2006 (SCI-Expanded)
- XXVIII. Stability and performance improvement of extremum seeking control with sliding mode**  
Pan Y., Özgüner Ü., ACARMAN T.  
International Journal of Control, cilt.76, sa.9-10, ss.968-985, 2003 (SCI-Expanded)
- XXIX. A control authority transition system for collision and accident avoidance**  
ACARMAN T., Pan Y., Özgüner Ü.  
Vehicle System Dynamics, cilt.39, sa.2 SPEC., ss.149-187, 2003 (SCI-Expanded)

- I. **Driver impairment detection using decision tree based feature selection and classification**  
Çetinkaya M., ACARMAN T.  
Results in Engineering, cilt.18, 2023 (Scopus)
- II. **From Formula One to Autonomous One: History, Achievements, and Future Perspectives**  
Li B., Gao T., Ma S., Zhang Y., ACARMAN T., Cao K., Xu T., Zhang T., Wang F.  
IEEE Transactions on Intelligent Vehicles, cilt.8, sa.5, ss.3217-3223, 2023 (Scopus)
- III. **Trafik İşaret Levhası Tespiti için Derin Öğrenme Yöntemi**  
Çetinkaya M., Acarman T.  
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi, cilt.3, sa.2, ss.140-157, 2020 (Hakemli Dergi)
- IV. **Tractor-Trailer Vehicle Trajectory Planning in Narrow Environments with a Progressively Constrained Optimal Control Approach**  
Li B., ACARMAN T., Zhang Y., Zhang L., Yaman C., Kong Q.  
IEEE Transactions on Intelligent Vehicles, cilt.5, sa.3, ss.414-425, 2020 (Scopus)
- V. **Theh $\infty$  model following control: An LMI approach**  
AKIN M., ACARMAN T.  
WSEAS Transactions on Systems and Control, cilt.15, ss.11-18, 2020 (Scopus)
- VI. **Efficient Multi-Object Tracking by Strong Associations on Temporal Window**  
Gunduz G., ACARMAN T.  
IEEE Transactions on Intelligent Vehicles, cilt.4, sa.3, ss.447-455, 2019 (Scopus)
- VII. **Prediction of Risk Generated by Different Driving Patterns and Their Conflict Redistribution**  
Gunduz G., Yaman C., Peker A. U., ACARMAN T.  
IEEE Transactions on Intelligent Vehicles, cilt.3, sa.1, ss.71-80, 2018 (Scopus)
- VIII. **Welcome from the program chair**  
ACARMAN T.  
IEEE Intelligent Vehicles Symposium, Proceedings, 2014 (Scopus)
- IX. **1st IFAC workshop on advances in control and automation theory for transportation applications ACATTA 2013**  
ACARMAN T.  
IFAC Proceedings Volumes (IFAC-PapersOnline), cilt.1, sa.PART 1, 2013 (Scopus)
- X. **Foreword**  
ACARMAN T.  
IFAC Proceedings Volumes (IFAC-PapersOnline), cilt.1, sa.PART 1, 2013 (Scopus)
- XI. **ABS control algorithm via extremum seeking method with enhanced lateral stability**  
Dinçmen E., ACARMAN T., Aksun Güvenç B.  
IFAC Proceedings Volumes (IFAC-PapersOnline), cilt.43, sa.7, ss.19-24, 2010 (Scopus)
- XII. **Driver monitoring and warning system for active safety enhancement**  
Çayır B., ACARMAN T., Yürüklü E.  
IFAC Proceedings Volumes (IFAC-PapersOnline), cilt.42, sa.15, ss.245-250, 2009 (Scopus)
- XIII. **Performance evaluation of inter-vehicle communication in highway systems and in urban areas**  
Liu Y., Ozguner U., ACARMAN T.  
IEE Proceedings: Intelligent Transport Systems, cilt.153, sa.1, ss.63-75, 2006 (Scopus)

## **Kitap & Kitap Bölümleri**

- I. **Autonomous Ground Vehicles**  
ÜMİT Ö., ACARMAN T., KEITH R.  
Artech House , New York, 2011

## Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **A Survey: Cyber-Security in Connected & Automated Vehicles**  
Acarman T., Aysegul K.  
International Conference on Innovations and Advances in Cognitive Systems, Tamil Nadu, Hindistan, 27 - 28 Mayıs 2024, ss.272-284
- II. **Machine Learning for Crowd-Sourcing a Social Media Data Source to Improve Response and Recovery After the Earthquake Disaster**  
Yeşilbaş B., Parlak I. B., Acarman T.  
2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Valletta, Malta, 1 - 04 Temmuz 2024, cilt.10, ss.2542-2547
- III. **Skin Color-Based Frontal Face Detection and Gender Classification**  
Dogan D., Acarman T.  
2024 10th International Conference on Control, Decision and Information Technologies (CoDIT), Valletta, Malta, 1 - 04 Temmuz 2024, ss.1305-1309
- IV. **Multi-network for Joint Detection of Dynamic and Static Objects in a Road Scene Captured by an RGB Camera**  
Çaldıran B. E., ACARMAN T.  
6th International Conference on Inventive Communication and Computational Technologies, ICICCT 2022, Namakkal, Hindistan, 12 - 13 Mayıs 2022, cilt.383, ss.837-851
- V. **A Case Study: Disease Code (ICD-10) Classification in Turkish Medical Summary Dataset**  
Ozsonmez D. B., ACARMAN T.  
6th International Conference on Intelligent Sustainable Systems, ICISS 2023, Tirunelveli, Hindistan, 3 - 04 Şubat 2023, cilt.665 LNNS, ss.537-545
- VI. **DynasticNet: Dynamic and Static Multi-Network**  
Çaldıran B. E., Acarman T.  
International Conferences on Science and Technology Engineering Sciences and Technology, Budva, Karadağ, 7 - 09 Eylül 2022, ss.60-71
- VII. **A New Method of Automatic Content Analysis in Disaster Management**  
Can A. B., PARLAK İ. B., ACARMAN T.  
10th International Symposium on Digital Forensics and Security (ISDFS), Maltepe, Türkiye, 6 - 07 Haziran 2022
- VIII. **Development and Testing of a Wearable Sensor based Driving Confidence Monitoring System for a Prototype Electric Vehicle**  
Dogan D., ACARMAN T., Estrada O. S.  
31st IEEE International Symposium on Industrial Electronics, ISIE 2022, Alaska, Amerika Birleşik Devletleri, 1 - 03 Haziran 2022, cilt.2022-June, ss.1023-1028
- IX. **Bilingual Speech Emotion Recognition Using Neural Networks: A Case Study for Turkish and English Languages**  
Özsönmez D. B., ACARMAN T., PARLAK İ. B.  
International Conference on Intelligent and Fuzzy Systems, INFUS 2021, İstanbul, Türkiye, 24 - 26 Ağustos 2021, cilt.308, ss.313-320
- X. **Design of an Experimentation Platform to study Take-over in Human Driver-Automated System Transition**  
Dogan D., ACARMAN T., Estrada O. S.  
31st IEEE International Symposium on Industrial Electronics, ISIE 2022, Alaska, Amerika Birleşik Devletleri, 1 - 03 Haziran 2022, cilt.2022-June, ss.182-187
- XI. **A Late Asymmetric Fusion Approach To Eliminate False Positives**  
Caldıran B. E., ACARMAN T.  
25th IEEE International Conference on Intelligent Transportation Systems, ITSC 2022, Macau, Çin, 8 - 12 Ekim 2022, cilt.2022-October, ss.2080-2085
- XII. **Fast and Optimal Trajectory Planning for Multiple Vehicles in a Nonconvex and Cluttered**

## **Environment: Benchmarks, Methodology, and Experiments**

Ouyang Y., Li B., Zhang Y., ACARMAN T., Guo Y., Zhang T.

39th IEEE International Conference on Robotics and Automation, ICRA 2022, Pennsylvania, Amerika Birleşik Devletleri, 23 - 27 Mayıs 2022, ss.10746-10752

### **XIII. Driver Activity Recognition Using Deep Learning and Human Pose Estimation**

ÇETİNKAYA M., ACARMAN T.

2021 International Conference on INnovations in Intelligent SysTems and Applications (INISTA), Kocaeli, Türkiye, 25 - 27 Ağustos 2021

### **XIV. Optimization-based maneuver planning for a tractor-trailer vehicle in complex environments using safe travel corridors**

Cen H., Li B., ACARMAN T., Zhang Y., Ouyang Y., Dong Y.

32nd IEEE Intelligent Vehicles Symposium, IV 2021, Nagoya, Japonya, 11 - 17 Temmuz 2021, cilt.2021-July, ss.974-979

### **XV. Optimal classifier selection in Turkish speech emotion detection Türkçe sesli duygu tespitinde etkin sınıflandırıcı seçimi**

Ozsonmez D. B., ACARMAN T., PARLAK İ. B.

29th IEEE Conference on Signal Processing and Communications Applications, SIU 2021, Virtual, İstanbul, Türkiye, 9 - 11 Haziran 2021

### **XVI. Traffic sign detection by image preprocessing and deep learning**

ÇETİNKAYA M., ACARMAN T.

5th International Conference on Intelligent Computing and Control Systems, ICICCS 2021, Madurai, Hindistan, 6 - 08 Mayıs 2021, ss.1165-1170

### **XVII. An Object Segmentation Approach for Mobile Lidar Point Clouds\***

Sahin M. S., ACARMAN T.

2021 International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, Coimbatore, Hindistan, 25 - 27 Mart 2021, ss.554-560

### **XVIII. Next-Day Electricity Demand Forecasting Using Regression\***

ÇETİNKAYA M., ACARMAN T.

2021 International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, Coimbatore, Hindistan, 25 - 27 Mart 2021, ss.1549-1554

### **XIX. Extremum Seeking For Economic Driving as An OnLine Mobile Application**

Yaman C., ACARMAN T.

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### **XX. Occlusion-aware On-road Autonomous Driving: A Path Planning Method in Combination with Honking Decision Making**

Li B., ACARMAN T., Zhang Y., Kong Q.

33rd Chinese Control and Decision Conference, CCDC 2021, Kunming, Çin, 22 - 24 Mayıs 2021, ss.7403-7408

### **XXI. Lane-free Autonomous Intersection Management: A Batch-processing Framework Integrating Reservation-based and Planning-based Methods**

Li B., Zhang Y., ACARMAN T., Ouyang Y., Yaman C., Wang Y.

2021 IEEE International Conference on Robotics and Automation, ICRA 2021, Xian, Çin, 30 Mayıs - 05 Haziran 2021, cilt.2021-May, ss.7915-7921

### **XXII. Shortest Fuzzy Hamiltonian Cycle on Transportation Network Using Minimum Vertex Degree and Time-dependent Dijkstra's Algorithm**

ÇAKIR E., Ulukan Z., ACARMAN T.

16th IFAC Symposium on Control in Transportation Systems CTS 2021, Lille, Fransa, 8 - 10 Haziran 2021, cilt.54, ss.348-353

### **XXIII. Resource Selection for C-V2X and Simulation Study for Performance Evaluation**

Makinaci K. M., ACARMAN T., Yaman C.

IEEE 93rd Vehicular Technology Conference (VTC-Spring), ELECTR NETWORK, 25 - 28 Nisan 2021

- XXIV. **An Experimental Study on Classification of Drivers Based on Confidence and Command of Driving**  
Dogan D., ACARMAN T., Estrada O. S.  
29th IEEE International Symposium on Industrial Electronics, ISIE 2020, Delft, Hollanda, 17 - 19 Haziran 2020, ss.1555-1559
- XXV. **Maneuver Planning for Automatic Parking with Safe Travel Corridors: A Numerical Optimal Control Approach**  
Li B., ACARMAN T., Peng X., Zhang Y., Bian X., Kong Q.  
18th European Control Conference, ECC 2020, Saint Petersburg, Rusya, 12 - 15 Mayıs 2020, ss.1993-1998
- XXVI. **A Validation Methodology for the Minimization of Unknown Unknowns in Autonomous Vehicle Systems**  
Hejase M., Barbier M., Ozguner U., Ibanez-Guzman J., ACARMAN T.  
31st IEEE Intelligent Vehicles Symposium, IV 2020, Nevada, Amerika Birleşik Devletleri, 19 Ekim - 13 Kasım 2020, ss.114-119
- XXVII. **Evaluation of Cosine Similarity Feature for Named Entity Recognition on Tweets**  
Büyüktopaç O., ACARMAN T.  
6th International Conference on Man-Machine Interactions, ICMMI 2019, Cracow, Polonya, 2 - 03 Ekim 2019, cilt.1061, ss.125-135
- XXVIII. **Trajectory Planning for a Tractor with Multiple Trailers in Extremely Narrow Environments: A Unified Approach**  
Li B., Zhang Y., Acarman T., Kong Q., Zhang Y.  
IEEE International Conference on Robotics and Automation (ICRA), Montreal, Kanada, 20 - 24 Mayıs 2019, ss.8557-8562
- XXIX. **Multi-Agent Reinforcement Learning for Autonomous On Demand Vehicles**  
Boyalı A., Hashimoto N., John V., ACARMAN T.  
30th IEEE Intelligent Vehicles Symposium (IV), Paris, Fransa, 9 - 12 Haziran 2019, ss.1461-1468
- XXX. **A Fusion of a Monocular Camera and Vehicle-to-Vehicle Communication for Vehicle Tracking: An Experimental Study**  
Tekeli M., Yaman Ç., ACARMAN T., AKIN M.  
2018 IEEE Intelligent Vehicles Symposium, IV 2018, Changshu, Suzhou, Çin, 26 - 30 Eylül 2018, cilt.2018-June, ss.854-859
- XXXI. **A Lightweight Online Multiple Object Vehicle Tracking Method**  
Gündüz G., ACARMAN T.  
2018 IEEE Intelligent Vehicles Symposium, IV 2018, Changshu, Suzhou, Çin, 26 - 30 Eylül 2018, cilt.2018-June, ss.427-432
- XXXII. **Identification of Application in Encrypted Traffic by Using Machine Learning**  
Pektas A., ACARMAN T.  
5th International Conference on Man-Machine Interactions (ICMMI), Krakow, Polonya, 3 - 06 Ekim 2017, cilt.659, ss.545-554
- XXXIII. **Comparative Analysis on Information Fusion Conflict Redistribution and Driving Risk Classification**  
Gunduz G., Yaman C., Peker A. U., ACARMAN T.  
20th IEEE International Conference on Intelligent Transportation Systems (ITSC), Yokohama, Japonya, 16 - 19 Ekim 2017
- XXXIV. **The continuous-Time  $H_\infty$  model matching problem with integral control in Imi optimization**  
Akın M., ACARMAN T.  
21st International Conference on Circuits, Systems, Communications and Computers, CSCC 2017, Heraklion, Crete, Yunanistan, 14 - 17 Temmuz 2017, cilt.125
- XXXV. **A Feature Based Simple Machine Learning Approach with Word Embeddings to Named Entity Recognition on Tweets**  
Taspınar M., GANİZ M. C., ACARMAN T.  
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- XXXVI. **Driving Pattern Fusion Using Dempster-Shafer Theory for Fuzzy Driving Risk Level Assessment**  
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- XXXVIII. **Portable Dynamic Malware Analysis with an Improved Scalability and Automatisation**  
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- XXXIX. **Taking Advantage of Turkish Characteristic Features to Achieve Authorship Attribution Problems for Turkish**  
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- XLII. **Runtime-Behavior Based Malware Classification Using Online Machine Learning**  
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- XLV. **Preliminary Results on Driving Diagnosis and Indexing**  
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- LIII. **Object Detection and Tracking Using Sensor Fusion and Particle Filter**  
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- LIV. **Managing Genetic Algorithm Parameters to Improve SegGen, a Thematic Segmentation Algorithm**  
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- LV. **Multihop safety message broadcasting in VANET: A distributed medium access mechanism with a relaying metric**  
Pekşen Y., ACARMAN T.  
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- LVIII. **Relay of multi-hop safety message based on beaconing in VANET**  
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- LIX. **EVALUATION OF DRIVERS AUTHORITY IN A STRUCTURED SET OF DRIVING TASKS AND DECISIONS: PRELIMINARY RESULTS ON VEHICLE SIMULATOR STUDY**  
ULUER P., Gocmenoglu C., ACARMAN T.  
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- LX. **Driver's Authority Monitoring System for Intelligent Vehicles: A Feasibility Study**  
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- LXI. **Monitoring driver's authority: Simulator study**  
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- LXII. **Experimental study on driver's authority and attention monitoring**

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- LXV. **Powertrain control of parallel hybrid electric vehicles via extremum seeking algorithm**  
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- LXVI. **S3P: A secure and privacy protecting protocol for VANET**  
Bayrak A. O., ACARMAN T.  
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- LXVIII. **Iterative learning control of dynamic memory caching to enhance processing performance on java platform**  
Ercan M., ACARMAN T.  
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- LXIX. **Design and implementation of a series-parallel light commercial hybrid electric vehicle**  
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- LXXI. **Driver monitoring and warning system development**  
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- LXXII. **Active coordination of the individually actuated wheel braking and steering to enhance vehicle later**  
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- LXXIII. **Observation of vehicle states by using steering wheel angle and wheel angular speeds**  
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- LXXIV. **Signal Interfacing for Hybrid Electric Vehicular Electronics and an Implementation Study**  
Hartavi A. E., Uygan I. M. C., Sezer V., ACARMAN T., Guevenc L., Kilic V., Yildirim M.  
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- LXXVI. **Maximizing overall efficiency strategy (MOES) for power split control of a parallel hybrid electric vehicle**  
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- LXXX. **Application of vehicle dynamics' active control to a realistic vehicle model**  
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## **Metrikler**

Yayın: 140

Atf (WoS): 383

Atf (Scopus): 1571

H-İndeks (WoS): 11

H-İndeks (Scopus): 23