

Prof. TANKUT ACARMAN

Personal Information

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International Researcher IDs

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Education Information

Doctorate, Ohio State University, Elektrik Ve Bilgisayar Mühendisliği, United States Of America 1998 - 2002

Postgraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Kontrol Ve Otomasyon Mühendisliği Bölümü, Turkey 1993 - 1996

Undergraduate, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Elektrik Mühendisliği Bölümü, Turkey 1989 - 1993

Foreign Languages

French, C1 Advanced

English, C1 Advanced

Research Areas

Computer Networks, Communications and Network Protocols, Artificial Intelligence, Computer Learning and Pattern Recognition

Academic Titles / Tasks

Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi, 2016 - Continues

Associate Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi, 2010 - 2016

Assistant Professor, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisligi, 1994 - 2010

Research Assistant, Ohio State University, Electrical And Computer Engineering Department, Electrical And Computer Engineering Department, 1998 - 2002

Research Assistant, Istanbul Technical University, Elektrik-Elektronik Fakültesi, Kontrol Ve Otomasyon Mühendisliği Bölümü, 1994 - 1997

Academic and Administrative Experience

Head of Department, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2015 - 2022
Head of Department, Galatasaray University, Mühendislik Ve Teknoloji Fakültesi, Bilgisayar Mühendisliği Bölümü, 2004 - 2022
Galatasaray Üniversitesi, Fen Bilimleri Enstitüsü, 2008 - 2015

Supervised Theses

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

Published journal articles indexed by SCI, SSCI, and AHCI

1. **Late sensor fusion approach with a designed multi-segmentation network**
Çaldıran B. E., ACARMAN T.

Neural Computing and Applications, vol.36, no.27, pp.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, vol.25, no.2, pp.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), vol.12, no.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, vol.23, no.8, pp.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, vol.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, vol.7, no.2, pp.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, vol.36, no.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, vol.42, no.1, pp.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, vol.6, no.2, pp.1511-1518, 2021 (SCI-Expanded)
- X. **Learning to detect Android malware via opcode sequences**
Pektas A., ACARMAN T.
NEUROCOMPUTING, vol.396, pp.599-608, 2020 (SCI-Expanded)
- XI. **VEHICLE TRAVEL TIME ESTIMATION USING SEQUENCE PREDICTION**
Gunduz G., ACARMAN T.
PROMET-TRAFFIC & TRANSPORTATION, vol.32, no.1, pp.1-12, 2020 (SCI-Expanded)
- XII. **Deep learning for effective Android malware detection using API call graph embeddings**
Pektas A., ACARMAN T.
SOFT COMPUTING, vol.24, no.2, pp.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, vol.11, no.12, 2019 (SCI-Expanded)
- XIV. **Deep learning to detect botnet via network flow summaries**
Pektas A., ACARMAN T.
NEURAL COMPUTING & APPLICATIONS, vol.31, no.11, pp.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, vol.29, no.3, 2019 (SCI-Expanded)

- XVI. **Botnet detection based on network flow summary and deep learning**
Pektas A., ACARMAN T.
INTERNATIONAL JOURNAL OF NETWORK MANAGEMENT, vol.28, no.6, 2018 (SCI-Expanded)
- XVII. **Malware classification based on API calls and behaviour analysis**
Pektas A., ACARMAN T.
IET INFORMATION SECURITY, vol.12, no.2, pp.107-117, 2018 (SCI-Expanded)
- XVIII. **Classification of malware families based on runtime behaviors**
Pektas A., ACARMAN T.
JOURNAL OF INFORMATION SECURITY AND APPLICATIONS, vol.37, pp.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, no.2, pp.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, no.2, pp.448-456, 2017 (SCI-Expanded)
- XXI. **A dynamic malware analyzer against virtual machine aware malicious software**
Pektas A., ACARMAN T.
SECURITY AND COMMUNICATION NETWORKS, vol.7, no.12, pp.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, vol.22, no.1, pp.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, vol.8, no.4, pp.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, vol.52, pp.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, vol.52, pp.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, vol.47, no.2, pp.155-177, 2009 (SCI-Expanded)
- XXVII. **Rollover prevention for heavy trucks using frequency shaped sliding mode control**
Acarman T., Ozguner U.
VEHICLE SYSTEM DYNAMICS, vol.44, no.10, pp.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, vol.76, no.9-10, pp.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, vol.39, no.2 SPEC., pp.149-187, 2003 (SCI-Expanded)

Articles Published in Other Journals

- I. **Driver impairment detection using decision tree based feature selection and classification**
Çetinkaya M., ACARMAN T.
Results in Engineering, vol.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, vol.8, no.5, pp.3217-3223, 2023 (Scopus)
- III. **Trafik İşaret Levhası Tespiti için Derin Öğrenme Yöntemi**
Çetinkaya M., Acarman T.
Akıllı Ulaşım Sistemleri ve Uygulamaları Dergisi, vol.3, no.2, pp.140-157, 2020 (Peer-Reviewed Journal)
- 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, vol.5, no.3, pp.414-425, 2020 (Scopus)
- V. **Theh ∞ model following control: An LMI approach**
AKIN M., ACARMAN T.
WSEAS Transactions on Systems and Control, vol.15, pp.11-18, 2020 (Scopus)
- VI. **Efficient Multi-Object Tracking by Strong Associations on Temporal Window**
Gunduz G., ACARMAN T.
IEEE Transactions on Intelligent Vehicles, vol.4, no.3, pp.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, vol.3, no.1, pp.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), vol.1, no.PART 1, 2013 (Scopus)
- X. **Foreword**
ACARMAN T.
IFAC Proceedings Volumes (IFAC-PapersOnline), vol.1, no.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), vol.43, no.7, pp.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), vol.42, no.15, pp.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, vol.153, no.1, pp.63-75, 2006 (Scopus)

Books

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

Papers Published in Refereed Scientific Meetings

- I. **Assessment of Driver Situation for Control Authority Transition from Conditionally Automated Vehicles using Chassis and Galvanic Skin Response Sensors**
Dogan D., ACARMAN T.
4th International Conference on Evolutionary Computing and Mobile Sustainable Networks, ICECMSN 2024, Hybrid, Coimbatore, India, 28 - 29 November 2024, vol.252, pp.684-691
- II. **A Survey: Cyber-Security in Connected & Automated Vehicles**
Acarman T., Aysegul K.
International Conference on Innovations and Advances in Cognitive Systems, Tamil Nadu, India, 27 - 28 May 2024, pp.272-284
- III. **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 July 2024, vol.10, pp.2542-2547
- IV. **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 July 2024, pp.1305-1309
- V. **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, India, 12 - 13 May 2022, vol.383, pp.837-851
- VI. **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, India, 3 - 04 February 2023, vol.665 LNNS, pp.537-545
- VII. **DynasticNet: Dynamic and Static Multi-Network**
Çaldıran B. E., Acarman T.
International Conferences on Science and Technology Engineering Sciences and Technology, Budva, Montenegro, 7 - 09 September 2022, pp.60-71
- VIII. **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, Turkey, 6 - 07 June 2022
- IX. **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, United States Of America, 23 - 27 May 2022, pp.10746-10752
- X. **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, China, 8 - 12 October 2022, vol.2022-October, pp.2080-2085
- XI. **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, United States Of America, 1 - 03 June 2022, vol.2022-June, pp.1023-1028
- XII. **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, Turkey, 24 - 26 August 2021, vol.308, pp.313-320

- XIII. **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, United States Of America, 1 - 03 June 2022, vol.2022-June, pp.182-187
- XIV. **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, Turkey, 25 - 27 August 2021
- XV. **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, Japan, 11 - 17 July 2021, vol.2021-July, pp.974-979
- XVI. **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, Istanbul, Turkey, 9 - 11 June 2021
- XVII. **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, India, 6 - 08 May 2021, pp.1165-1170
- XVIII. **Next-Day Electricity Demand Forecasting Using Regression***
ÇETİNKAYA M., ACARMAN T.
2021 International Conference on Artificial Intelligence and Smart Systems, ICAIS 2021, Coimbatore, India, 25 - 27 March 2021, pp.1549-1554
- XIX. **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, India, 25 - 27 March 2021, pp.554-560
- XX. **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 April 2021
- XXI. **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, France, 8 - 10 June 2021, vol.54, pp.348-353
- XXII. **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, China, 30 May - 05 June 2021, vol.2021-May, pp.7915-7921
- XXIII. **Extremum Seeking For Economic Driving as An OnLine Mobile Application**
Yaman C., ACARMAN T.
16th IFAC Symposium on Control in Transportation Systems (CTS), Lille, France, 8 - 10 June 2021, vol.54, pp.57-62
- XXIV. **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, China, 22 - 24 May 2021, pp.7403-7408

- XXV. **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, Netherlands, 17 - 19 June 2020, pp.1555-1559
- XXVI. **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, Russia, 12 - 15 May 2020, pp.1993-1998
- 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, Poland, 2 - 03 October 2019, vol.1061, pp.125-135
- XXVIII. **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, United States Of America, 19 October - 13 November 2020, pp.114-119
- 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, France, 9 - 12 June 2019, pp.1461-1468
- XXX. **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, Canada, 20 - 24 May 2019, pp.8557-8562
- XXXI. **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, China, 26 - 30 September 2018, vol.2018-June, pp.854-859
- XXXII. **A Lightweight Online Multiple Object Vehicle Tracking Method**
Gündüz G., ACARMAN T.
2018 IEEE Intelligent Vehicles Symposium, IV 2018, Changshu, Suzhou, China, 26 - 30 September 2018, vol.2018-June, pp.427-432
- XXXIII. **Identification of Application in Encrypted Traffic by Using Machine Learning**
Pektas A., ACARMAN T.
5th International Conference on Man-Machine Interactions (ICMMI), Krakow, Poland, 3 - 06 October 2017, vol.659, pp.545-554
- XXXIV. **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, Japan, 16 - 19 October 2017
- XXXV. **The continuous-Time H_∞ model matching problem with integral control in Imi optimization**
Akln M., ACARMAN T.
21st International Conference on Circuits, Systems, Communications and Computers, CSCC 2017, Heraklion, Crete, Greece, 14 - 17 July 2017, vol.125
- XXXVI. **A Feature Based Simple Machine Learning Approach with Word Embeddings to Named Entity Recognition on Tweets**

- Taspinar M., GANİZ M. C., ACARMAN T.
22nd International Conference on Applications of Natural Language to Information Systems (NLDB), Liege, Belgium, 21 - 23 June 2017, vol.10260, pp.254-259
- XXXVII. **Driving Pattern Fusion Using Dempster-Shafer Theory for Fuzzy Driving Risk Level Assessment**
Gunduz G., Yaman C., Peker A. U., ACARMAN T.
28th IEEE Intelligent Vehicles Symposium (IV), California, United States Of America, 11 - 14 June 2017, pp.595-599
- XXXVIII. **Portable Dynamic Malware Analysis with an Improved Scalability and Automatisation**
Pektas A., ACARMAN T.
10th International Conference on Computer Recognition Systems (CORES), Polanica Zdroj, Poland, 22 - 24 May 2017, vol.578, pp.211-220
- XXXIX. **Ensemble Machine Learning Approach for Android Malware Classification Using Hybrid Features**
Pektas A., ACARMAN T.
10th International Conference on Computer Recognition Systems (CORES), Polanica Zdroj, Poland, 22 - 24 May 2017, vol.578, pp.191-200
- XL. **Taking Advantage of Turkish Characteristic Features to Achieve Authorship Attribution Problems for Turkish**
Saygili N. S., Amghar T., Levrat B., ACARMAN T.
25th Signal Processing and Communications Applications Conference (SIU), Antalya, Turkey, 15 - 18 May 2017
- XLI. **Android Malware Classification by Applying Online Machine Learning**
Pektas A., Cavdar M., ACARMAN T.
31st International Symposium on Computer and Information Sciences (ISCIS), Krakow, Poland, 27 - 28 October 2016, vol.659, pp.72-80
- XLII. **WGL-VANET: A Web-based Visualization Tool for VANET Simulations**
Gocmenoglu C., ACARMAN T., Levrat B.
IEEE International Conference on Vehicular Electronics and Safety (ICVES), Yokohama, Japan, 5 - 07 November 2015, pp.62-63
- XLIII. **Runtime-Behavior Based Malware Classification Using Online Machine Learning**
Pektas A., ACARMAN T., Falcone Y., Fernandez J.
World Congress on Internet Security (WorldCIS), Dublin, Ireland, 19 - 21 October 2015, pp.166-171
- XLIV. **Intersection Based Routing in Urban VANETs**
ACARMAN T., Yaman C., Peksen Y., Peker A. U.
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