Prof. TANKUT ACARMAN

Personal Information

Office Phone: +90 212 227 7448 Extension: 1451
Email: tacarman@gsu.edu.tr
Web: https://avesis.gsu.edu.tr/tacarman

International Researcher IDs
ORCID: 0000-0003-4169-1189
Publons / Web Of Science ResearcherID: AAB-4894-2020
ScopusID: 6602616551
Yoksis Researcher ID: 132152

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

Advising 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 comunication 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

I. **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)

II. **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)

III. **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)

IV. **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)

V. **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)

VI. **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)

VII. **Time-dependent Dijkstra's algorithm under bipolar neutrosophic fuzzy environment**
Çakır E., Ulukan H. Z., Acarman T.
Journal Of Intelligent & Fuzzy Systems, vol.0, no.0, pp.1-10, 2022 (SCI-Expanded)

VIII. **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)

IX. **Learning to detect Android malware via opcode sequences**
Pektas A., ACARMAN T.
NEUROCOMPUTING, vol.396, pp.599-608, 2020 (SCI-Expanded)

X. **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)

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. **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)

XIII. **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)

XIV. **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)

XV. **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)

XVI. **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)

XVII. **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)

XVIII. **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)

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. **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)

XXI. **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)

XXII. **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)

XXIII. **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)

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. **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)

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)

Refereed Congress / Symposium Publications in Proceedings

I. **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

II. **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

III. **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

IV. **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

V. **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

VI. **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

VII. **A Late Asymmetric Fusion Approach To Eliminate False Positives**
Caldiran 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

VIII. **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

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, Turkey, 24 - 26 August 2021, vol.308, pp.313-320

X. **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

XI. **Shortest Fuzzy Hamiltonian Cycle on Transportation Network Using Minimum Vertex Degree and Time-dependent Dijkstra's Algorithm**
Çakır E., Ulukan H. Z., Acarman T.
16th IFAC Symposium on Control in Transportation Systems, Lille, France, 8 - 10 June 2021, pp.348-353

XII. **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

XIII. **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

XIV. **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

XV. **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

XVI. **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

XVII. **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

XVIII. **Multi-Agent Reinforcement Learning for Autonomous On Demand Vehicles**
Boyali A., Hashimoto N., John V., ACARMAN T.
30th IEEE Intelligent Vehicles Symposium (IV), Paris, France, 9 - 12 June 2019, pp.1461-1468

XIX. **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

XX. **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

XXI. **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

XXII. **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

XXIII. **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

XXIV. **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

XXV. **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

XXVI. **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

XXVII. **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

XXVIII. **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

XXIX. **Intersection Based Routing in Urban VANETs**
ACARMAN T., Yaman C., Peksen Y., Peker A. U.
18th IEEE International Conference on Intelligent Transportation Systems, Spain, 15 - 18 September 2015, pp.1087-1092

XXX. **The Potential Benefits of On-Board Li-Fi for the Cooperation among Vehicles**
Scopigno R., Autolitano A., ACARMAN T., Yaman C., Topsu S.
17th International Conference on Transparent Optical Networks (ICTON 2015), Budapest, Hungary, 05 July 2015

XXXI. **A 3D Web-based Visualization Tool for VANET Simulations**
Gocmenoglu C., ACARMAN T.
3rd International Conference on Connected Vehicles and Expo (ICCVE), Vienna, Austria, 3 - 07 November 2014, pp.827-828

XXXII. **Preliminary Results on Driving Diagnosis and Indexing**
Kaplan E., Peker A. U., Par K., ACARMAN T.
3rd International Conference on Connected Vehicles and Expo (ICCVE), Vienna, Austria, 3 - 07 November 2014, pp.602-603

XXXIII. **The Need for GNSS Position Integrity and Authentication in ITS: Conceptual and Practical Limitations in Urban Contexts**
Margaria D., Falletti E., ACARMAN T.
IEEE Intelligent Vehicles Symposium (IV), Michigan, United States Of America, 8 - 11 June 2014, pp.1384-1389

XXXIV. **Vehicle Localization Enhancement with VANETs**
Peker A. U., ACARMAN T., Yaman C., Yuksel E.
IEEE Intelligent Vehicles Symposium (IV), Michigan, United States Of America, 8 - 11 June 2014, pp.655-660

XXXV. **Definition of Local Integrity Heat Map**
Kaplan E., Peker A. U., Par K., ACARMAN T.
IEEE Intelligent Vehicles Symposium (IV), Michigan, United States Of America, 8 - 11 June 2014, pp.1441-1444

XXXVI. **Fusion of Map Matching And Traffic Sign Recognition**
Peker A. U., Tosun O., Akin H. L., ACARMAN T.
IEEE Intelligent Vehicles Symposium (IV), Michigan, United States Of America, 8 - 11 June 2014, pp.867-872

XXXVII. **Multi-Channel Operation and GNSS Correction Issues**
Peksen Y., Yaman C., ACARMAN T., Peker A. U.
13th International Conference on ITS Telecommunications (ITST), Tampere, Finland, 5 - 07 November 2013, pp.468-473

XXXVIII. **Object Detection and Tracking Using Sensor Fusion and Particle Filter**
Pelenk B., ACARMAN T.
IEEE International Conference on Imaging Systems and Techniques (IST), Beijing, China, 22 - 23 October 2013, pp.210-215

XXXIX. **Managing Genetic Algorithm Parameters to Improve SegGen, a Thematic Segmentation Algorithm**
Saygili N. S., Acarman T., Amghar T., Levrat B.
24th International Workshop on Database and Expert Systems Applications (DEXA), Prague, Czech Republic, 26 - 30 August 2013, pp.58-62

XL. **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.
11th ASME Biennial Conference on Engineering Systems Design and Analysis, (ESDA 2012), Nantes, France, 2 - 04 July 2012, pp.803-811

XLI. **Driver's Authority Monitoring System for Intelligent Vehicles: A Feasibility Study**
ULUER P., Gocmenoglu C., ACARMAN T.
IEEE Intelligent Vehicles Symposium (IV), Alcala-De-Henares, Spain, 3 - 07 June 2012, pp.1011-1016

XLII. **Proposal of n-gram Based Algorithm for Malware Classification**
Pektas A., Eris M., ACARMAN T.
5th International Conference on Emerging Security Information, Systems and Technologies (SECURWARE), Nice, France, 21 - 27 August 2011, pp.14-18

XLIII. **Particle Filter Vehicle Localization and Map-Matching Using Map Topology**
Peker A. U., Tosun O., ACARMAN T.
IEEE Intelligent Vehicles Symposium (IV), Baden-Baden, Germany, 5 - 09 June 2011, pp.248-253

XLIV. **A Secure and Privacy Protecting Protocol for VANET**
Bayrak A. O., Acarman T.
IEEE Intelligent Vehicles Symposium (IV), California, United States Of America, 21 - 24 June 2010, pp.579-584

XLV. **Iterative learning control of dynamic memory caching to enhance processing performance on java platform**
Ercan M., ACARMAN T.
International Conference on Computational Science (ICCS), Amsterdam, Netherlands, 31 May - 02 June 2010, vol.1, pp.407-416

XLVI. **Low Cost Driver Monitoring and Warning System Development**
Cayir B., ACARMAN T.
IEEE Intelligent Vehicles Symposium, Xian, China, 3 - 05 June 2009, pp.94-98

XLVII. **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.
IEEE International Conference on Vehicular Electronics and Safety, Ohio, United States Of America, 22 - 24 September 2008, pp.326-327

XLVIII. **Test-bed formation for human driver model development and decision making**
ACARMAN T., Özgüner Ü., Güvenç L., Liu Y., DANİŞ F. S.
10th International IEEE Conference on Intelligent Transportation Systems, ITSC 2007, Seattle, WA, United States Of America, 30 September - 03 October 2007, pp.934-939

XLIX. **Clustering formation for inter-vehicle communication**
Kayis O., ACARMAN T.
10th International IEEE Conference on Intelligent Transportation Systems, Washington, United States Of America, 30 September - 03 October 2007, pp.909-914

L. **Application of vehicle dynamics' active control to a realistic vehicle model**
Dincmen E., ACARMAN T.
26th American Control Conference, New-York, United States Of America, 9 - 13 July 2007, pp.4357-4362

LI. **Modeling and control of a four wheel drive parallel hybrid electric vehicle**
Boyali A., Demirci M., ACARMAN T., Guvenc L., Tur O., Ucarol H., Kiray B., Ozatay E.
IEEE International Conference on Control Applications, Munich, Germany, 4 - 06 October 2006, pp.14-15

Supported Projects

ACARMAN T., Project Supported by Higher Education Institutions, AKILLI TAŞIT TEKNOLOJİLERİ İÇİN DERİN ÖĞRENME KULLANILARAK YOL NESNELERİNİN TANILANMASI, 2018 - 2020
ACARMAN T., Project Supported by Higher Education Institutions, ZARARLI YAZILIM TESPİTİ VE SINIFLANDIRMASI,

2017 - 2018

ACARMAN T., Project Supported by Higher Education Institutions, SÜRÜCÜSÜZ ARAÇ TEKNOLOJİLERİ İÇİN HABERLEŞME VE KONUMLANDIRMA TEKNİKLERİNİN BENZETİM VE DENEYSEL YÖNTEMLER İLE İNCELENMESİ, 2016 - 2018

ACARMAN T., Project Supported by Higher Education Institutions, H_\İNF MODEL EŞLEME PROBLEMİ: INTEGRAL KONTROL YAKLAŞIMI İLE 1 SERBESTLİK DERECELİ DURUM GERİ BESLEMESİ, 2016 - 2018

ACARMAN T., Project Supported by Higher Education Institutions, TAŞIT TELSİZ AĞLARI İÇİN YÖNLENDİRME ALGORİTMALARININ İNCELENMESİ VE GELİŞTİRİLMESİ, 2015 - 2016

ACARMAN T., Project Supported by Higher Education Institutions, ARAÇLAR ARASI HABERLEŞME PROTOKOL VE TELSİZ HABERLEŞME GÜVENLİK PLATFORMUNUN GELİŞTİRİLMESİ, 2013 - 2015

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