

Asst. Prof. EMİR KUTLUAY

Personal Information

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Education Information

Doctorate, Technische Universitaet Darmstadt, Fachgebiet Fahrzeugtechnik (Fzd), Germany 2007 - 2012

Dissertations

Doctorate, Development and Demonstration of a Validation Methodology for Vehicle Lateral Dynamics Simulation Models, Technische Universitaet Darmstadt, Otomotiv Enstitüsü, 2012

Postgraduate, Identification of Inertia Tensor of Vehicles, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2007

Research Areas

Information Systems, Communication and Control Engineering, Control and System Engineering, Robotics and Mechatronics Systems, Computer Vision, Mechatronic Systems, Signal Processing, Image and Video Processing, Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Vehicle Systems Dynamics, Modeling and Simulation of Dynamic Systems, Engineering and Technology

Academic Titles / Tasks

Assistant Professor, Hacettepe University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2014 - 2016

Research Assistant, Hacettepe University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2012 - 2014

Research Assistant, Technische Universitaet Darmstadt, Makina Mühendisliği, 2007 - 2012

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Steering optimization for multi-axle vehicles with multi-axle steering**
Yazıcı C. B. , KUTLUAY E., ÜNLÜSOY Y. S.
JOURNAL OF MECHANICAL SCIENCE AND TECHNOLOGY, 2021 (Journal Indexed in SCI)
- II. **Design and performance analysis of a novel coordinated intervention configuration for lane departure assistance system**
KUTLUAY E., DÜZGÜN M., Doust M.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.36, no.3, pp.1632-1642, 2021 (Journal Indexed in SCI)
- III. **Validation of vehicle dynamics simulation models - a review**
KUTLUAY E., Winner H.
VEHICLE SYSTEM DYNAMICS, vol.52, no.2, pp.186-200, 2014 (Journal Indexed in SCI)

Refereed Congress / Symposium Publications in Proceedings

I. Numerical Investigation of Dynamics of Crach Box Collision Geometry

KUTLUAY E., YILDIRIM B., ÇETİNEL O.

OTEKON 2018, Bursa, Turkey, 7 - 08 May 2018, pp.37-44

Supported Projects

KUTLUAY E., Project Supported by Higher Education Institutions, Sürücü Destek Sistemleri Dersi Demonstrasyon Modeli Geliştirilmesi, 2016 - 2017

BAŞLAMIŞLI S. Ç., KUTLUAY E., TÜBİTAK Project, Şerit Koruma Asistanı Sisteminin Performansının Arttırılmasına Yönelik Koordineli Müdahale Yaklaşımının Tasarımı Ve Simülasyonu, 2014 - 2017

KUTLUAY E., Project Supported by Higher Education Institutions, Bir Şerit Koruma ve Takip Sistemi, 2015 - 2016

KUTLUAY E., Project Supported by Higher Education Institutions, Araç Üzerine Monte Edilebilir Kuşbakışı Kamera Sistemi, 2014 - 2016

Citations

Total Citations (WOS):23

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