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Education Information

Doctorate, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey 2023 - Continues

Postgraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey 2020 - 2023

Undergraduate, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, Turkey 2012 - 2020

Dissertations

Postgraduate, Tekerlekli zırhlı aracın doğrusal matris eşitsizlikleri tabanlı H-sonsuz kontrolör ile aktif titreşim kontrolü, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, 2023

Research Areas

Mechanical Engineering, System Dynamics and Control, Modeling and Simulation of Dynamic Systems

Academic Titles / Tasks

Research Assistant, Yildiz Technical University, Faculty Of Mechanical Engineering, Deparment Of Mechanical Engineering, 2021 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Modeling and Simulation of Elevation Dynamics of Main Battle Tank Weapon System with Linear Graph Method**
ÇAKIR M. F., SEZER S., BAYRAKTAR M.
Arabian Journal for Science and Engineering, 2024 (SCI-Expanded)

II. **Modelling of main battle tank and designing LQR controller to decrease weapon oscillations Ana muharebe tankinin modellenmesi ve silah salinimlarinin azaltilmasi için LQR kontrolör tasarim**

Cakir M. F., BAYRAKTAR M.

Journal of the Faculty of Engineering and Architecture of Gazi University, vol.35, no.4, pp.1861-1876, 2020 (SCI-Expanded)

Refereed Congress / Symposium Publications in Proceedings

I. **Active Vibration Control of a Wheeled Armoured Vehicle with $H\infty$ Controller Based on Linear Matrix Inequalities**
Çakır M. F., Bayraktar M., Yazıcı H.
2nd Global Conference on Engineering Research - GLOBCER'22, Balıkesir, Turkey, 7 - 11 September 2022, pp.216-223

Metrics

Publication: 3
Citation (WoS): 1
Citation (Scopus): 6
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