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Personal Information

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International Researcher IDs

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Education Information

Undergraduate, Niğde Üniversitesi, Mühendislik - Mimarlık Fakültesi, Makine Mühendisliği Anabilim Dalı, Turkey 2006 - 2011

Foreign Languages

English, B2 Upper Intermediate

Portuguese, A1 Beginner

Certificates, Courses and Trainings

Quality Management, Uluslararası Kaynak Mühendisliği / International Welding Engineer, Gedik Education Foundation, 2011

Research Areas

Computer Sciences, Computer Vision, Mechanical Engineering, Machine Theory and Dynamics, Machine Dynamics, System Dynamics and Control, Modeling and Simulation of Dynamic Systems, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Karadeniz Technical University, Mühendislik Fakültesi, Makine Mühendisliği, 2013 - Continues

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Position control of a digital electrohydraulic system with limited sensory data using double deep q-network controller**
COŞKUN M. Y., Itik M.
Expert Systems with Applications, vol.252, 2024 (SCI-Expanded)
- II. **Intelligent PID control of an industrial electro-hydraulic system**

COŞKUN M. Y., İtik M.

ISA Transactions, vol.139, pp.484-498, 2023 (SCI-Expanded)

III. **Hybrid force and position control of a conducting tri-layer electro-active polymer actuator**

COŞKUN M. Y., SANCAK C., İtik M., ALICI G.

TRANSACTIONS OF THE INSTITUTE OF MEASUREMENT AND CONTROL, vol.39, no.3, pp.288-296, 2017 (SCI-Expanded)

Articles Published in Other Journals

I. **Reinforcement learning based position control of an electro-hydraulic system**

Coşkun M. Y., İtik M.

Niğde Ömer Halisdemir Üniversitesi Mühendislik Bilimleri Dergisi, vol.12, no.1, pp.1-9, 2023 (Peer-Reviewed Journal)

II. **Vision based sliding mode control of micro displacement of a conjugated electroactive polymer actuator**

SANCAK C., COŞKUN M. Y., İtik M.

PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, vol.22, no.8, pp.629-635, 2016 (ESCI)

Refereed Congress / Symposium Publications in Proceedings

I. **Investigation of Fractional-order Controller's Positioning Performance Against Unmodeled System Dynamics**

Coşkun M. Y., İtik M.

Uluslararası Mühendislik Sempozyumu, İzmir, Turkey, 5 - 13 December 2020, pp.1-2

II. **Konjuge Elektroaktif Polimer Tabanlı Esnek Bir Manipülâtörün Kinematik Modelinin Eldesi ve Deneysel Doğrulaması**

COŞKUN M. Y., SANCAK C., İTİK M.

Ulusal Makina Teorisi Sempozyumu, Trabzon, Turkey, 5 - 07 July 2017, pp.392-399

III. **Elektro-Aktif Üç Katmanlı Konjuge Bir Polimer Eyleyicinin Hibrit Kontrolü**

SANCAK C., COŞKUN M. Y., İTİK M.

Türk Otomatik Kontrol Ulusal Toplantısı, Denizli, Turkey, 10 - 12 September 2015, pp.15-20

IV. **Konjuge Tip Bir Elektro-Aktif Polimer Eyleyicinin Görüntü Tabanlı Kontrolü**

COŞKUN M. Y., İTİK M.

Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.810-815

V. **Vision Based Control of a Conjugated Electro-Active Polymer Actuator**

COŞKUN M. Y., İtik M.

IEEE/ASME International Conference on Advanced Intelligent Mechatronics (AIM), Busan, South Korea, 7 - 11 July 2015, pp.824-829

Supported Projects

VURAL S., OKTAN S., COŞKUN M. Y., Project Supported by Higher Education Institutions, Mimarlıkta Bes Eksenli Eklemeli Üretim Araştırmaları Projesi, 2022 - 2023

ÇUHADAROĞLU B., SAĞLAM M., COŞKUN M. Y., KAN F. E., Project Supported by Higher Education Institutions, 5th International Anatolian Energy Symposium, 2019 - 2021

Memberships / Tasks in Scientific Organizations

Makine Teorisi Derneđi, Member, 2015 - Continues

Metrics

Publication: 10

Citation (WoS): 15

Citation (Scopus): 21

H-Index (WoS): 2

H-Index (Scopus): 2

Congress and Symposium Activities

Türk Otomatik Kontrol Ulusal Toplantısı, Attendee, Denizli, Turkey, 2015

Robot Kinematiđi alıřtayı, Attendee, Gaziantep, Turkey, 2015

IEEE/ASME International Conference on Advanced Intelligent Mechatronics, Attendee, Pusan, South Korea, 2015

Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, Attendee, İzmir, Turkey, 2015

European Embedded Control Institute - International Graduate School on Control, Attendee, İstanbul, Turkey, 2015

Non Academic Experience

Cořkun Isı Ltd. řti.