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Personal Information

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Education Information

Doctorate, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Abd, Turkey 2015 - Continues
Postgraduate, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Abd, Turkey 2012 - 2015
Undergraduate, Cukurova University, Mühendislik Ve Mimarlık Fakültesi, Makina Mühendisliği Bölümü, Turkey 2007 - 2012

Foreign Languages

English, B1 Intermediate

Dissertations

Postgraduate, INVESTIGATION OF PERFORMANCE AND EMISSION CHARACTERISTICS OF COMPOSITE BIODIESELS IN COMPRESSION IGNITION ENGINES, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Abd, 2015

Research Areas

Mechanical Engineering, Machine Theory and Dynamics, Engineering and Technology

Academic Titles / Tasks

Research Assistant, Cukurova University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Abd, 2015 - Continues
Research Assistant, Mustafa Kemal Üniversitesi, Teknoloji Fakültesi, Enerji Sistemleri Mühendisliği, 2012 - 2015

Published journal articles indexed by SCI, SSCI, and AHCI

I. **Fuzzy Logic based hybrid type control implementation of a heaving wave energy converter**
BURGAÇ A., YAVUZ H.
ENERGY, vol.170, pp.1202-1214, 2019 (SCI-Expanded)

Articles Published in Other Journals

I. **Power capture performance of a heaving wave energy converter for varying b(rad)/b(pto) ratio**
BURGAÇ A., YAVUZ H.
SN APPLIED SCIENCES, vol.2, no.10, 2020 (ESCI)

II. **A Review of Hydrogen Enriched Compressed Natural Gas HCNG Fuel in Diesel Engines**
ARAT H. T., AYDIN K., BALTACIOĞLU E., YAŞAR E., BALTACIOĞLU M. K., CONKER Ç., BURGAÇ A.
The Journal of MacroTrends in Energy and Sustainability, vol.1, no.1, pp.115-122, 2013 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

I. **Active tuning based fuzzy logic control of a heaving wave energy converter in irregular seas**
YAVUZ H., BURGAÇ A., AKBIYIK H.
Renewable Energy Sources ? Research and Business (RESRB 2018), Brüksel, Belgium, 18 - 20 June 2018, pp.1

II. **Evaluation of a new hybrid tuning technique for optimum operation of heaving type Wave Energy Converters**
BURGAÇ A., YAVUZ H.
1st International Advanced Researches Engineering Congress, Osmaniye, Turkey, 16 November - 18 June 2017, pp.670

III. **The Effects of 3D Flow Structure on the Aerodynamic Forces of an Aircraft Wing**
AKBIYIK H., YAVUZ H., BURGAÇ A.
1st International Advanced Researches Engineering Congress, Osmaniye, Turkey, 16 November - 18 June 2017, pp.711

IV. **Recent Status: Wave Energy Conversion and Control Systems**
BURGAÇ A., YAVUZ H.
1st International Advanced Researches Engineering Congress, Osmaniye, Turkey, 16 November - 18 June 2017, pp.667

V. **INVESTIGATION OF A NEW CONTROL APPLICATION FOR HEAVING TYPE WAVE ENERGY CONVERTER**
BURGAÇ A., YAVUZ H.
3rd INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING ISTANBUL 2017, İstanbul, Turkey, 19 - 21 December 2017

VI. **Fuzzy Logic Based Complex System Control Implementation on Wave Energy Converters**
BURGAÇ A., YAVUZ H.
10th International Conference on Sustainable Energy & Environmental Protection, Bled, Slovenia, 27 - 30 June 2017, vol.1, no.1, pp.1-13

VII. **Control Techniques for Oscillating Wave Energy Converter**
BURGAÇ A., YAVUZ H.
RENEC 2016, 6. Uluslararası 100 Yenilenebilir Enerji Konferansı, 26 - 28 May 2016, vol.1

VIII. **Control techniques for osciallating wave energy converters**
BURGAÇ A., YAVUZ H.
IRENEC 2016, 6. Uluslararası %100 Yenilenebilir Enerji Konferansı, İstanbul, Turkey, 26 - 28 May 2016

IX. **Dynamic Simulation of Automobile Crank Shaft**
Uluocak İ., Yavuz H., Özarslan H., Burgaç A., Akbıyık H., Conker Ç.
International Conference and Exhibition on Automobile Engineering, Valencia, Spain, 1 - 02 September 2015, vol.4, pp.38

Supported Projects

YAVUZ H., BURGAÇ A., AKBIYIK H., Project Supported by Higher Education Institutions, Bir dalga enerjisi konvertörü modelinin enerji üretimi ve kontrol uygulamasının incelenmesi, 2018 - 2019
YAVUZ H., BURGAÇ A., AKBIYIK H., Project Supported by Higher Education Institutions, Plazma Aktüatör Elektrot

Geometrisi Konfigürasyonunun NACA0015 Uçak Kanadı Etrafındaki Akış Yapısına Etkisinin İncelenmesi, 2017 - 2018
YAVUZ H., AKBIYIK H., BURGAÇ A., Project Supported by Higher Education Institutions, Plazma Aktüatör ve Ayırıcı Plaka Kullanılarak Dairesel Silindirin Hücum Açısının Sürükleme Katsayısı Üzerine Etkisinin İncelenmesi, 2016 - 2016

Metrics

Publication: 12
Citation (WoS): 1
Citation (Scopus): 15
H-Index (WoS): 1
H-Index (Scopus): 2