

## Res. Asst. Abdulhakim Oğuzhan AHAN

### Personal Information

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### International Researcher IDs

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Publons / Web Of Science ResearcherID: AAB-4205-2020

ScopusID: 57220813114

Yoksis Researcher ID: 55309

### Education Information

Doctorate, Yildiz Technical University, Graduate School Of Natural And Applied Sciences, Makina Mühendisliği/Makina Teorisi Ve Kontrol, Turkey 2015 - Continues

Postgraduate, Istanbul Technical University, Fen Bilimleri Enstitüsü, Makina Mühendisliği/Makina Dinamiği Titreşim Akustik, Turkey 2012 - 2015

Undergraduate, Yildiz Technical University, Makina Fakültesi, Makina Mühendisliği, Turkey 2008 - 2012

### Foreign Languages

Japanese, A1 Beginner

English, C1 Advanced

### Certificates, Courses and Trainings

Other, Girişimcilik Eğitimi, Yıldız Teknik Üniversitesi SEM, 2016

### Dissertations

Postgraduate, Kemik gözenekliliğindeki değişimin dinamik karakteristikler üzerindeki etkisinin in-vitro incelenmesi / In vitro investigation of effect of bone porosity difference on dynamic characteristics, İstanbul Teknik Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği / Makina Dinamiği, Titreşim Akustik, 2015

### Research Areas

Biomedical Engineering, Biomechanics, Motion Analysis, Mechanical Engineering, Machine Theory and Dynamics, System Dynamics and Control, Robotics, Engineering and Technology

### Academic Titles / Tasks

## Academic and Administrative Experience

### Articles Published in Other Journals

- I. **PID Parameters Prediction Using Neural Network for A Linear Quarter Car Suspension Control**  
Müderrişođlu K., Arısoy D. O., Ahan A. O., Akdođan E.  
International Journal of Intelligent Systems and Applications in Engineering (IJISAE), vol.4, no.1, pp.20-24, 2016 (Peer-Reviewed Journal)
- II. **Titreşimin Kemik Üzerine Etkisinin Belirlenmesi**  
AHAN A. O., BOZDAĐ E., SÜNÜLOĐLU E.  
Süleyman Demirel Üniversitesi Mühendislik Bilimleri ve Tasarım Dergisi, vol.2, no.3, pp.127-134, 2014 (Peer-Reviewed Journal)

### Refereed Congress / Symposium Publications in Proceedings

- I.  **$H_{\infty}$  Optimal Control of DTMB 5415 Combatant Roll Motion with Active Fins**  
TAŞKIN M., GÜÇLÜ R., AHAN A. O.  
4th International Symposium on Multidisciplinary Studies and Innovative Technologies, ISMSIT 2020, İstanbul, Turkey, 22 - 24 October 2020
- II. **Eksik Eyleyicili Mekanik Sistemlerin Dengeleme Kontrolünün İncelenmesi**  
Ahan A. O., Yazıcı H., Güçlü R.  
19. Ulusal Makine Teorisi Sempozyumu, Hatay, Turkey, 4 - 06 September 2019, pp.1-7
- III. **Research on Wing Selection of an Unmanned Aerial Vehicle with Using CFD Analysis**  
Aydođan Y., Damga K., Özgenc E., Ahan A. O., Güçlü R.  
Conference on Advances in Mechanical Engineering Istanbul (ICAME2018), İstanbul, Turkey, 19 December 2018, pp.1-8
- IV. **Use of a H? Controller on a Half Semi-trailer Truck Model to Reduce Vibrations and Its Implications on Human Factor**  
AHAN A. O., ARISOY D. O., MÜDERRİSOĐLU K., ARSLAN B., GÜÇLÜ R.  
20th Congress of the International Ergonomics Association (IEA 2018), Floransa, Italy, 26 August 2018, pp.421-435
- V. **Bir Bina Modelinin Ayrık Durum Geri Beslemeli H? Kontrolü**  
AHAN A. O., AGGÜMÜŞ H., YAZICI H., GÜÇLÜ R.  
OTOMATİK KONTROL TÜRK MİLLÎ KOMİTESİ ULUSAL TOPLANTISI (TOK 2017), İstanbul, Turkey, 21 September 2017, pp.236-242
- VI. **Vibration control of a semi-trailer truck for comfort with an output feedback H? controller**  
Ahan A. O., Arısoy D. O., Müderrişođlu K., Yazıcı H., Güçlü R.  
International Conference On Engineering An Natural Science, Sarajevo, Bosnia And Herzegovina, 24 May 2016, pp.2141-2149
- VII. **Semi active robust vibration control of structural system with MR damper**  
AGGÜMÜŞ H., AHAN A. O., ÇETİN Ş.  
Conference on Advances in Mechanical Engineering, İstanbul, Turkey, 11 May 2016, pp.1-5
- VIII. **Bir raylı taşıtta farklı koşullar altında yolcu konforu analizi**  
AHAN A. O., ARISOY D. O., Müderrişođlu K., BAYRAKTAR M., GÜÇLÜ R.  
Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 June 2015, pp.1-6

- IX. Raylı Taşıt Ve Karayolu Taşıtı Trafiği Etkisi Altındaki Bir Asma Köprünün Dinamik Analizi**  
Müderrişođlu K., Arısoy D. O., Ahan A. O., Bayraktar M., Güçlü R.  
Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.1-11
- X. Discretization of Continuous Structures: Rayleigh Ritz Method and Finite Element Direct Method with analysis of Longitudinal Beam Vibration**  
Ahan A. O., Arısoy D. O.  
3rd International Scientific Conference on Engineering Manufacturing and Advanced Technologies, Mostar, Bosnia And Herzegovina, 18 September 2014, pp.1-6
- XI. Roller Coaster Güzergahında Tanımlanan Noktasal Bir Cismin Dinamik Analizi**  
AHAN A. O., ARISOY D. O., MÜDERRİSOĐLU K., BAYRAKTAR M.  
XVI. Ulusal Makina Teorisi Sempozyumu, Erzurum, Turkey, 12 September 2013, pp.1-7
- XII. Static and Dynamic Analysis of Railway Wagon Trailer Bogie in Computer Environment**  
ARISOY D. O., AHAN A. O., MÜDERRİSOĐLU K., BAYRAKTAR M.  
1. International Workshop on Railway System Engineering, Karabük, Turkey, 11 October 2012, pp.1-7

## Metrics

Publication: 14

Citation (Scopus): 1

H-Index (WoS): 2

H-Index (Scopus): 1

## Congress and Symposium Activities

Otomatik Kontrol Türk Millî Komitesi Ulusal Toplantısı 2017, Attendee, Turkey, 2017

Conference on Advances in Mechanical Engineering, Attendee, İstanbul, Turkey, 2016

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

Uluslararası Katılımlı VII. Ulusal Biyomekanik Kongresi, Attendee, Isparta, Turkey, 2014

Manufacturing and Advanced Technology Conference (2014), Attendee, Mostar, Bosnia And Herzegovina, 2014

International Conference on Advanced Technology & Sciences (ICAT'14), Attendee, Antalya, Turkey, 2014

XVI. Ulusal Makina Teorisi Sempozyumu, Attendee, Erzurum, Turkey, 2013

1. International Workshop on Railway System Engineering, Attendee, Karabük, Turkey, 2012

## Visual Activities

AHAN A. O., TV Show, 2018 - 2018