

## Res. Asst. ŞABAN ULUS

### Personal Information

**Office Phone:** [+90 352 437 5755](tel:+903524375755) Extension: 32967

**Email:** [sabanulus@erciyes.edu.tr](mailto:sabanulus@erciyes.edu.tr)

**Web:** <http://aves.erciyes.edu.tr/sabanulus/>

**Address:** Erciyes Üniversitesi Mühendislik Fakültesi Mekatronik Müh. Bölümü F Blok No:110

### Education Information

Doctorate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği Anabilim Dalı, Turkey 2013 - Continues  
Post Graduate, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Mekatronik Mühendisliği Ana Bilim Dalı, Turkey 2011 - 2013  
Under Graduate, Erciyes Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2006 - 2011  
Under Graduate, Höögskolan i Vaxjö (University College Of Vaxjö), Linnaeus Universitet – Engineering And Design ,  
Mechanical Engineering, Sweden 2009 - 2010

### Foreign Languages

English, B2 Upper Intermediate

### Certificates, Courses and Trainings

Vocational Course, MakTeD Kinematik Sentezde Grafik Yöntemler Çevrimiçi Çalıştayı, Turkish Machine Theory Assosication, 2020

Education Management and Planning, IFToMM Summer School On Mechanism Design for Medical Applications, İzmir Institute of Technology, Engineering Faculty, Mechanical Engineering Department, 2018

Education Management and Planning, Temel Makina Dinamiği Eğitimi Çalıştayı, Ondokuz Mayıs Üniversitesi, Mühendislik Fakültesi, 2018

Education Management and Planning, Sistem Dinamiği ve Kontrol Çalıştayı, Hitit Üniversitesi, Mühendislik Fakültesi, 2016

Education Management and Planning, Robot Dinamiği ve Kontrol Çalıştayı, Gazi Üniversitesi, Mühendislik Fakültesi, 2016

Education Management and Planning, LLP, ERASMUS Ders Alma Hareketliliği, LUBLIN UNIVERSITY OF TECHNOLOGY / Mechanical Engineering Faculty, 2014

Education Management and Planning, LLP, ERASMUS Ders Alma Hareketliliği, UNIVERSITY OF GALATI / Mechanical Engineering Department, 2013

Education Management and Planning, Certificate of Appreciation / Project 777 Program, Debrecen University/ Engineering Faculty / Electrical Engineering and Mechatronics, 2013

Education Management and Planning, Industrial Automation Training Techniques and Instruments, FESTO Didactic GmbH. Co&KG., 2012

### Dissertations

Post Graduate, Dişli Mekanizmalarındaki Hataların Akustik Yöntemler ile Analizi ve Tespiti, Erciyes Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği Ana Bilim Dalı, 2013

### Research Areas

Mechanical Engineering, Construction and Manufacturing, Computer Aided Design and Manufacturing, NDT Engineering,

## Academic Titles / Tasks

Research Assistant, Erciyes Üniversitesi, Mühendislik Fakültesi, Mekatronik Mühendisliği, 2011 - Continues

## Professional Experience

### Courses

Mekatronik Lab., Under Graduate, 2012 - 2013

## Articles Published in Journals That Entered SCI, SSCI and AHCI Indexes

- **An Experimental Study on Gear Diagnosis by Using Acoustic Emission Technique**  
Ulus Ş., Erkaya S.  
INTERNATIONAL JOURNAL OF ACOUSTICS AND VIBRATION, vol.21, pp.103-111, 2016 (Journal Indexed in SCI)
- **Effects of joint clearance on the dynamics of a partly compliant mechanism: Numerical and experimental studies**  
Erkaya S., Doğan S., Ulus Ş.  
MECHANISM AND MACHINE THEORY, vol.88, pp.125-140, 2015 (Journal Indexed in SCI)

## Articles Published in Other Journals

- **Investigation of Fan Fault Problems Using Vibration and Noise Analysis**  
Erkaya S., Ulus Ş.  
Recent Innovations in Mechatronics (RIIM), vol.1, no.1, pp.7-19, 2014 (International Refereed University Journal)

## Refereed Congress / Symposium Publications in Proceedings

- **Gear Fault Modelling by Using Acoustic Measurements and Artificial Neural Networks**  
Ulus Ş., Suveren M.  
5th. International Conference on Engineering and Natural Sciences (ICENS 2019), Praha, Czech Republic, 12 - 16 June 2019, pp.318-324
- **Anfis Based Longitudinal Controller Design of a Fixed Wing UAV**  
Ulus Ş., Eski İ.  
5th. International Conference on Engineering and Natural Sciences (ICENS 2019), Praha, Czech Republic, 12 - 16 June 2019, pp.310-317
- **Dişli Çark Kusurlarının Viskoz Sürtünme Şartında Gürültü ve Titreşim Analizi**  
Ulus Ş.  
19. Ulusal Makina Teorisi Sempozyumu (UMTS 2019), Hatay, Turkey, 4 - 06 September 2019, pp.493-501
- **LATERAL AND LONGITUDINAL DYNAMICS CONTROL OF A FIXED WING UAV BY USING PID CONTROLLER**  
ULUS Ş., ESKİ İ.  
4th International Conference on Engineering and Natural Sciences (ICENS), KIEV, Ukraine, 2 - 06 May 2018, pp.994-1002
- **Design of Fuzzy Logic Controller for Dynamic State Variables of a Fixed Wing UAV**

ULUS Ş., ESKİ İ.

4th. International Conference on Engineering and Natural Sciences (ICENS), KIEV, 2 - 06 May 2018, pp.418

• **Design of Fuzzy Logic Controller for Dynamic State Variables of a Fixed Wing UAV**

ULUS Ş., ESKİ İ.

4th International Conference on Engineering and Natural Sciences, Kiev, Ukraine, 2 - 06 May 2018, pp.1

• **A Vibration Based Fault Model of Gear Systems Using Neural Predictor**

ULUS Ş., SUVEREN M., ERKAYA S.

International Conference on Advances in Mechanical Engineering ICAME 2016, İstanbul, Turkey, 10 - 13 May 2016, pp.426-431

• **A NUMERICAL STUDY OF JOINT CLEARANCE EFFECTS ON A PARTLY COMPLIANT MECHANISM**

ERKAYA S., ULUS Ş., DOĞAN S.

International Conference on Advances in Mechanical Engineering ICAME 2016, İstanbul, Turkey, 10 - 13 May 2016, pp.432-437

• **A VIBRATION BASED FAULT DETECTION OF GEAR SYSTEMS USING NEURAL PREDICTOR**

ULUS Ş., SUVEREN M., ERKAYA S.

International Conference on Advances in Mechanical Engineering ICAME 2016, İstanbul, Turkey, 10 - 13 May 2016, pp.426-431

• **Klasik ve Esnek Bağlantılı Mekanizmalarda Eklem Boşluğu Etkisinin Nümerik ve Deneysel İncelenmesi**

ERKAYA S., DOĞAN S., ULUS Ş.

Uluslararası katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.928-937

• **Dişli Çark Mekanizmalarındaki Hataların Akustik Yöntemler ve Titreşim Metodu ile Karşılaştırmalı Analizi**

ULUS Ş., ERKAYA S.

Uluslararası Katılımlı 17. Makina Teorisi Sempozyumu, İzmir, Turkey, 14 - 17 June 2015, pp.708-716

• **FAULT CONDITION MONITORING ON HELICAL GEARS BY USING ACOUSTIC EMISSION TECHNIQUE**

ULUS Ş., ERKAYA S.

INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING (ICAME'2015), İstanbul,

Turkey, 13 - 15 May 2015, pp.316-321

• **Titreşim ve Gürültü Analizi ile Fan Hatalarının İncelenmesi**

ULUS Ş., ERKAYA S.

16. Ulusal Makine Teorisi Sempozyumu, Erzurum, Turkey, 1 - 04 September 2013, vol.1, pp.476-481

## Supported Projects

ERKAYA S., ULUS Ş., Project Supported by Higher Education Institutions, AKUSTİK EMİSYON TEKNİĞİ İLE FARKLI KOŞULLARDA ÇALIŞAN DİŞLİ MEKANİZMALARINDAKİ HATALARIN DENEYSEL ANALİZİ, 2012 - 2014

## Memberships / Tasks in Scientific Organizations

Member, 2015 - Continues

## Scientific Refereeing

TURKISH JOURNAL OF ELECTRICAL ENGINEERING & COMPUTER SCIENCES , SCI Journal, January 2018

## Invited Congress and Symposium Activities

4th International Conference on Engineering and Natural Sciences (ICENS), Attendee, Kyiv, Ukraine, 2018

INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING - ICAME 2016, Attendee, İstanbul, Turkey, 2016

17. Uluslararası Katılımlı Makine Teorisi Sempozyumu / Klasik ve Esnek Bağlantılı Mekanizmalarda Eklem Boşluğu

Etkisinin Nümerik ve Deneysel İncelenmesi, Attendee, İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ / İZMİR, Turkey, 2015  
17. Uluslararası Katılımlı Makine Teorisi Sempozyumu / Dişli Çark Mekanizmalarındaki Hataların Akustik Yöntemler ve Titreşim Metodu ile Karşılaştırmalı Analizi, Attendee, İZMİR YÜKSEK TEKNOLOJİ ENSTİTÜSÜ / İZMİR, Turkey, 2015  
INTERNATIONAL CONFERENCE ON ADVANCES IN MECHANICAL ENGINEERING - ICAME'15, Attendee, YILDIZ TECHNICAL UNIVERSITY / ISTANBUL, Turkey, 2015  
16. Ulusal Makine Teorisi Sempozyumu / Titreşim ve Gürültü Analizi ile Fan Hatalarının İncelenmesi, Attendee, ATATÜRK ÜNİVERSİTESİ / ERZURUM, Turkey, 2013

## **Citations**

Total Citations (WOS):80

h-index (WOS):2

## **Scholarships**

IFTToMM Young Delegate Program (YDP) Summer School Grant for Attendance, Other International Organizations, 2018 - 2018

## **Awards**

ULUS Ş., Makine Mühendisliği 2011 Mezunları arasında birincilik, Erciyes Üniversitesi Mühendislik Fakültesi, June 2011