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Education Information

Doctorate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği Bölümü, Turkey 1984 - 1988

Postgraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, Turkey 1982 - 1984

Undergraduate, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, Turkey 1977 - 1982

Dissertations

Postgraduate, Aeroelastik Bir Plajın İncelenmesi, İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1950

Research Areas

Technical Sciences, Aeronautical and Space Engineering, Space Engineering, Material science, Non-metal materials

Academic Titles / Tasks

Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği Bölümü, 1996 - Continues

Associate Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1990 - 1996

Assistant Professor, Istanbul Technical University, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1989 - 1990

Research Assistant, Uludağ Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 1983 - 1984

Academic and Administrative Experience

Dean, Istanbul Technical University, Uçak ve Uzay Bilimleri, 2020 - Continues

İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Uzay Mühendisliği Bölümü, 1997 - 2005

İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, 1992 - 1994

İstanbul Teknik Üniversitesi, Uçak Ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 1991 - 1992

Refereed Congress / Symposium Publications in Proceedings

- I. **On The Solution Of Eigenvalue Problem Of Complete Conical Shell With Functionally Graded Coatings And Metal-Rich Core**
AVEY A., DENİZ A., MECİTOĞLU Z.
International Conference on Mathematics and Mathematics Education (ICMME-2017), Urfa, Turkey, 11 - 13 May 2017, pp.565-566
- II. **Buckling Analysis of Orthotropic Complete Conical Shells Subjected to Lateral Pressure Within Shear Deformation Theory**
Sofiyev A. H., ZERİN Z., MAMMADOV Z., TURAN F., MECİTOĞLU Z.
2nd INTERNATIONAL CONFERENCE ON CIVIL AND ENVIRONMENTAL ENGINEERING, 8 - 10 May 2017, vol.1, pp.398-403
- III. **Buckling Analysis Of Orthotropic Complete Conical Shells Subjected To Lateral Pressure Within Shear Deformation Theory**
AVEY A., ZERİN Z., MAMMADOV Z., TURAN F., MECİTOĞLU Z., Xaneli S.
2nd International Conference on Civil and Environmental Engineering, 8 - 10 May 2017
- IV. **Modeling of Bird Strike to a Composite Helicopter Rotor Blade**
Eren Z., Tataroğlu S., Balkan D., Mecitoğlu Z.
58th AIAA/ASCE/AHS/ASC Structures, Structural Dynamics, and Materials Conference, Grapevine, Texas, United States Of America, 9 - 13 January 2017, pp.1
- V. **An Analytical and Numerical Study on the Analysis of a Composite Drive Shaft Tube**
OK E., TÜRKMEN H. S., DOĞAN V. Z., MECİTOĞLU Z., KAYA S.
Academics World 21st International Conference, 6 - 08 February 2016
- VI. **The effect of bird strike on both flat and curved helicopter windshields with different curvatures**
Tataroğlu S., Eren Z., Balkan D., Türkmen H. S., Kazancı Z., Mecitoğlu Z.
19th International Conference on Composite Structures (ICCS19), Porto, Portugal, 5 - 09 September 2016, pp.63-65
- VII. **Numerical Investigation of Foam Filled Axially Loaded Multitubular Structures**
USTA F., EREN Z., TÜRKMEN H. S., KAZANCI Z., MECİTOĞLU Z.
1st International Conference on Impact Loading of Structures and Materials-ICILSM2016, Italy, 22 - 26 May 2016
- VIII. **Design and manufacturing of a composite drive shaft**
Tataroğlu S., Ok E., Kaya S., Şen A., Doğan V. Z., Mecitoğlu Z., Akay E., Sösler S., Törkmen H. S.
International Conference on Design, Materials and Manufacturing, ICDMM 2016, Kuala-Lumpur, Malaysia, 25 - 27 March 2016, vol.706, pp.73-77
- IX. **Effects of Thickness and Curvature on Impact Behaviour of Composite Panels**
Usta F., Mullaoğlu F., Türkmen H. S., Balkan D., Mecitoğlu Z., Kurtaran H., Akay E.
2nd International Symposium on Dynamic Response and Failure of Composite Materials, (Draf), Naples, Italy, 6 - 09 September 2016, vol.167, pp.216-222
- X. **Dynamic Analysis Of Polyethylene Fuel Tanks Used In Buses**
Simitçioğlu G., Ustaoglu B., Atamer S., DOĞAN V. Z., TÜRKMEN H. S., MECİTOĞLU Z., Erginsoy Y. E.
the 2015 ICBTS International Sciences and Technology Research Conference, 22 - 24 October 2015
- XI. **Fatigue Analysis of Polyethylene Fuel Tanks Used in Buses**
DOĞAN V. Z., USTAĞLU H. B., ATAMER S., SİMİTÇİOĞLU G., MECİTOĞLU Z., TÜRKMEN H. S., AKAY E., SÜSLER S., AYHÜN S., ERGİNSOY Y. E.
Fourth International Conference On Advances in Civil and Structural Engineering - CSE 2015, 26 - 27 September 2015

- XII. **Tanklarının Statik Ve Dinamik Analizler Yardımıyla Dayanımının İncelenmesi**
DOĞAN V. Z., SİMİTÇİOĞLU G., AYHÜN S., USTAOĞLU B., ATAMER S., MECİTOĞLU Z., TÜRKMEN H. S., SÜSLER S., AKAY E., ÇAKIR M.
XIX. UlusalMekanik Kongresi, Turkey, 24 - 28 August 2015
- XIII. **Otobüslerde Kullanılan Plastik Yakıt Tanklarının Statik Ve Dinamik Analizler Yardımıyla Dayanımının İncelenmesi**
GÖKAY S., USTAOĞLU H. B., ATAMER S., DOĞAN V. Z., TÜRKMEN H. S., MECİTOĞLU Z., AYHÜN S., AKAY E., SÜSLER S., ERGİNSOY Y. E., et al.
TUMTMK- 19. ULUSAL MEKANİK KONGRESİ, Trabzon, Turkey, 24 - 28 August 2015
- XIV. **Axial Crash and Crush Response of Novel Nested Tube Designs**
Eren Z., Usta F., KAZANCI Z., Türkmen H. S., Mecitoğlu Z.
12th International Conference on the Mechanical Behaviour of Materials (ICM12), Karlsruhe, Germany, 10 - 14 May 2015, pp.359
- XV. **Axial Crash and Crush Response of Novel Nested Tube Designs**
EREN Z., USTA F., TÜRKMEN H. S., KAZANCI Z., MECİTOĞLU Z.
12th International Conference on the Mechanical Behaviour of Materials (ICM 12), Germany, 10 - 14 May 2015
- XVI. **Static and Dynamic Analysis of Plastic Fuel Tanks Used in Buses**
Ustaoglu H. B., Ayhun S., Simitcioğlu G., Süsler S., Akay E., Doğan V. Z., Mecitoğlu Z., Türkmen H. S., Atamer S.
3rd International Conference on Material and Component Performance under Variable Amplitude Loading, VAL, Prague, Czech Republic, 23 - 26 March 2015, vol.101, pp.509-517
- XVII. **Numerical Investigation of Stepped Concentric Crash Tubes Subjected to Axial Impact : The Effects of Number of Tubes**
Usta F., Eren Z., Türkmen H. S., KAZANCI Z., Mecitoğlu Z.
7th International Conference on Recent Advances in Space Technologies (RAST), İstanbul, Turkey, 16 - 19 June 2015, pp.39-43
- XVIII. **500 KW Rüzgar Türbini İçin Ana Şaft Tasarımı ve Analizi**
DOĞAN V. Z., MECİTOĞLU Z., TÜRKMEN H. S., KAVRAR D., SİMİTÇİOĞLU G., CEYHAN A., ŞAHİN İ. E.
XVIII. ULUSAL MEKANİK KONGRESİ, Turkey, 26 - 30 August 2013
- XIX. **A numerical and experimental study on the impact behavior of box structures**
İnce F., Türkmen H. S., Mecitoğlu Z., Uludağ N., Durgun İ., Altınok E., Örenel H.
11th International Conference on the Mechanical Behavior of Materials (ICM), Como, Italy, 01 January 2011, vol.10, pp.1736-1741
- XX. **Large deflection of a laminated composite plate with different extensional and flexural material properties**
Arikök R., Mecitoğlu Z.
ASME 2010 International Mechanical Engineering Congress and Exposition, IMECE 2010, Vancouver, Canada, 12 - 18 November 2010, vol.9, pp.321-329
- XXI. **Dynamic Response of a Laminated Composite Plate with Viscoelastic Stiffeners subject to Blast Load**
Acar Ezer O., Balkan D., Türkmen H. S., Mecitoğlu Z.
The Tenth International Conference on Computational Structures Technology, Valencia, Spain, 14 - 17 September 2010, pp.1-8
- XXII. **Dynamic Behaviour of the Laminated Sandwich Plate with a Stepwise Graded Viscoelastic Core**
Tengiz E., Balkan D., Türkmen H. S., Mecitoğlu Z.
The Tenth International Conference on Computational Structures Technology, Valencia, Spain, 14 - 17 September 2010, pp.1-8
- XXIII. **Dynamic Response of a Laminated Composite Plate With Viscoelastic Stiffeners Under Blast Load**
ACAR EZER O., BALKAN D., TÜRKMEN H. S., MECİTOĞLU Z.
The Tenth International Conference on Computational Structures Technology, 14 - 17 September 2010
- XXIV. **Transient Response of Laminated Sandwich Plate with Viscoelastic Core Subjected to Air Blast: Theory and Experiment**
BALKAN D., ACAR O., TÜRKMEN H. S., MECİTOĞLU Z.

11th International Conference on Structures Under Shock and Impact, 28 - 30 July 2010

- XXV. **Transient response of a laminated sandwich plate with viscoelastic core subjected to air blast: theory and experiment**

Balkan D., Acar O., Türkmen H. S., Mecitoğlu Z.

11th International Conference on Structures under Shock and Impact, Tallinn, Estonia, 01 July 2010, vol.113, pp.113-124

- XXVI. **Dynamic Response of a Sandwich Plate with Viscoelastic Core Under Blast Load**

Balkan D., Mecitoğlu Z.

7th EUROMECH Solid Mechanics Conference, Lizbon, Portugal, 7 - 11 September 2009, pp.1

- XXVII. **Hibrit katmanlı ince bir kompozit plağın anlık basınç yükü altında dinamik davranışının deneysel ve sayısal incelenmesi**

OMERCIKOGLU A., AKSOYLAR C., Mecitoğlu Z., Omurtag M. H.

XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009, pp.893-902

- XXVIII. **Plakların doğrusal olmayan dinamik davranışının karışık SEM ile analizi**

AKSOYLAR C., OMERCIKOGLU A., Mecitoğlu Z., Omurtag M. H.

XVI. Ulusal Mekanik Kongresi, Kayseri, Turkey, 22 - 26 June 2009, pp.165-174

- XXIX. **Nonlinear dynamic response of a simply-supported laminated composite plate subjected to explosive pressure pulses**

KAZANCI Z., MECİTOĞLU Z.

5th. European Congress on Computational Methods in Applied Sciences and Engineering (ECCOMAS 2008), 30 June - 05 July 2008

- XXX. **Nonlinear response of a sandwich plate subjected to blast load**

Bas A., Kazanci Z., Mecitoglu Z.

ASME International Mechanical Engineering Congress and Exposition, Washington, United States Of America, 11 - 15 November 2007, pp.169-177

- XXXI. **Approximate numerical and finite element solutions for nonlinear vibrations of laminated composite plates under blast load**

KAZANCI Z., MECİTOĞLU Z.

INTER-NOISE and NOISE-CON Congress and Conference Proceedings, 28 - 31 August 2007

- XXXII. **Vibration Control of a Clamped Laminated Composite Plate Subjected to Blast Load**

UYANIK H., MECİTOĞLU Z.

3rd International Workshop on Piezoelectric Materials and Applications in Actuators, 18 - 21 June 2006

- XXXIII. **Vibration Control of a Laminated Composite Plate Subjected to Blast Loading**

UYANIK H., MECİTOĞLU Z.

III European Conference on Computational Mechanics Solids, Structures and Coupled Problems in Engineering, 5 - 08 June 2006

- XXXIV. **Kenarları Ankastre Mesnetli Kompozit Bir Plağın Anlık Basınç Yükü Etkisinde Titreşimlerinin Kontrolü**

UYANIK H., MECİTOĞLU Z.

Kenarları Ankastre Mesnetli Kompozit Bir Plağın Anlık Basınç Yükü Etkisinde Titreşimlerinin Kontrolü, Turkey, 12 - 14 May 2006

- XXXV. **Nonlinear Dynamic Behavior of A Laminated Composite Plate Subject to Blast Load for Different Boundary Conditions**

KAZANCI Z., MECİTOĞLU Z.

3rd Ankara International Aerospace Conference (AIAC 2005), 22 - 25 August 2005

- XXXVI. **Nonlinear Damped Vibrations of A Laminated Composite Plate Subjected to Blast Load**

KAZANCI Z., MECİTOĞLU Z.

Proc. of 46th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics Materials Conference, 18 - 21 April 2005

- XXXVII. **Nonlinear damped vibrations of a laminated composite plate subject to blast load**

Kazanci Z., Mecitoğlu Z.

46th AIAA/ASME/ASCE/AHS/ASC Structures, Structural Dynamics and Materials Conference, Austin, TX, United States Of America, 18 - 21 April 2005, vol.10, pp.6539-6549

XXXVIII. **Effect of In-Plane Stiffnesses and Inertias on Dynamic Behavior of A Laminated Composite Plate Under Blast Load**

KAZANCI Z., HACIOĞLU A., MECİTOĞLU Z.

9th Aerospace Division International Conference on Engineering, Construction and Operations in Challenging Environments (EARTHSPACE 2004), 7 - 10 March 2004, vol.484

XXXIX. **Çarpma yükü etkisi altında bir kiriş-plak bağlantısının cevabı üzerinde sönümün etkisi**

Büyük M., Kurtaran H., Türkmen H. S., Mecitoğlu Z.

XIII. Ulusal Mekanik Kongresi, Gaziantep, Turkey, 8 - 12 September 2003, pp.1-8

XL. **Effects of Surface Bonded Piezoelectric Material on Beam Structures in Bending Actuation**

GÖZEN Ş., MECİTOĞLU Z.

Canadian Aeronautics and Space Institute 50th AGM and Conference, 16th Aerospace Structures and Materials Symposium, 28 - 30 May 2003

XLI. **Influence of Damping on the Response of a Beam-to-Plate Connection Under Mass Drop**

Büyük M., Kurtaran H., Türkmen H. S., Mecitoğlu Z.

9th International Conference on the Mechanical Behaviour of Materials, Cenevre, Switzerland, 25 - 29 March 2003, pp.1

XLII. **Structural Response of Laminated Composite Shells Subjected to Blast Loadings**

Türkmen H. S., Mecitoğlu Z.

35th Annual Technical Meeting of the Society of Engineering Science, Pullman, United States Of America, 27 September 1998 - 30 September 2000, pp.1

XLIII. **Malzeme Özellikleri Sıcaklığa Bağlı Olan Katmanlı Kompozit Bir Plakın Çarpınma Analizi**

MECİTOĞLU Z.

Kayseri III. Havacılık Sempozyumu Bildiriler Kitabı, Turkey, 10 - 12 May 2000

XLIV. **Vibration Control of an Elastic Shaft and Elastic Link Manipulator**

ANKARALI A., DİKEN H., MECİTOĞLU Z.

Proc. 35th Annual Technical Meeting Society of Engineering Science, 27 - 30 September 1998, pp.81

XLV. **Dynamic Response of A Beam-to-Plate Connection to Impulsive Load**

Türkmen H. S., Mecitoğlu Z.

Proceedings of the 2nd Ankara International Aerospace Conference, Ankara, Turkey, 9 - 11 September 1998, pp.256-259

XLVI. **Dynamic Response of A Laminated Composite Shell Under Blast Load**

Türkmen H. S., Mecitoğlu Z.

Uluslararası Havacılık Sempozyumu, Eskişehir, Turkey, 10 - 14 March 1997, pp.1-8

XLVII. **Transient Response of A Thick Cylindrical Shell Subjected to Detonation Load**

Türkmen H. S., Mecitoğlu Z., Çelik D.

Dördüncü Uluslararası Yanma Sempozyumu, Bursa, Turkey, 1 - 03 July 1995, pp.448-457

XLVIII. **Free Vibrations of a Conical Shell with Temperature Dependent Material Properties**

MECİTOĞLU Z.

Proc. First International Symposium on Thermal Stresses and Related Topic, 5 - 07 June 1995, pp.191-194

XLIX. **Şok Yüküne Maruz Katmanlı Bir Kompozit Plakın Dinamik Davranışı**

Türkmen H. S., Mecitoğlu Z.

Birinci Uluslararası Havacılık ve İleri Teknolojiler Sempozyumu, İstanbul, Turkey, 1 - 03 March 1995, pp.475-484

L. **Dairesel Silindirik bir Kabuğun Hareketli Şok Yükü Altındaki Dinamik Davranışı**

KURTARAN H., MECİTOĞLU Z.

Proc. First International Aerospace and Advanced Technologies Symposium, 01 January 1995, pp.485-491

LI. **Şok Yüküne Maruz Katmanlı Kompozit bir Plakın Dinamik Davranışı**

TÜRKMEN H. S., MECİTOĞLU Z.

Proc. First International Aerospace and Advanced Technologies Symposium, 01 January 1995, pp.475-484

LII. **Bir Uçak Dış Yükü Yapısının Statik ve Dinamik Analizi**

Türkmen H. S., Mecitoğlu Z.

Birinci Havacılık Sempozyumu Bildiriler Kitabı, İstanbul, Turkey, 1 - 03 June 1994, pp.225-232

LIII. Bir Bomba Adaptörünün Titreşim Analizi

TÜRKMEN H. S., MECİTOĞLU Z.

VII. Ulusal Mekanik Kongresi Bildiriler Kitabı, Turkey, 01 September 1993

LIV. Vibration Analysis of Stiffened Cylindrical Thin Shells

MECİTOĞLU Z., DÖKMECİ M. C.

Proc. 17th Congress of the International Council of Aeronautical Sciences, 9 - 14 September 1990

LV. Free Vibrations of Stiffened Shallow Shells with Rectangular Cutouts

MECİTOĞLU Z., DÖKMECİ M. C.

Proc. 26th Society of Engineering Science Annual Meeting, 4 - 06 September 1989

LVI. Takviyeli İki Eğrilikli İnce Basık Bir Kabuğun Serbest Titreşimleri

MECİTOĞLU Z.

Altıncı Ulusal Mekanik Kongresi, Turkey, 01 September 1989, vol.2, pp.508-519

LVII. Static Buckling of Stiffened Cylindrical Elastic Panels with Rectangular Cutouts

MECİTOĞLU Z., DÖKMECİ M. C.

Proc. 21st Midwestern Mechanics Conference, 15 - 16 August 1989

LVIII. Forced Vibrations of Stiffened Shallow Panels

MECİTOĞLU Z., DÖKMECİ M. C.

Proc. 117th Meeting of Acoustical Society of America, 22 - 26 May 1989

Supported Projects

Mecitoğlu Z., Project Supported by Higher Education Institutions, Viskoelastik Sönümleyici Takviyelere Sahip Kompozit Plakların Anlık Basınç Yükü Altındaki davranışlarının incelenmesi, 2010 - 2011

Mecitoğlu Z., Project Supported by Higher Education Institutions, Kompozit Plaklarda Burkulmanın Teorik ve Deneysel Analizi, 2008 - 2008

Mecitoğlu Z., Project Supported by Higher Education Institutions, Patlamanın İnce Cıdarlı Kompozit Yapılar Üzerindeki Etkisinin Araştırılması, 1997 - 2002

Mecitoğlu Z., Project Supported by Higher Education Institutions, Gaz Türbinleri için Brush Seal Sızdırmazlık e Aşınma Simülasyonu Modeli Geliştirilmesi ve Gaz Türbi, 1997 - 2002

Metrics

Publication: 85

Citation (WoS): 227

Citation (Scopus): 284

H-Index (WoS): 7

H-Index (Scopus): 7

Non Academic Experience

Business Establishment Private, Turkish Aerospace Industry, Engineering Department

Business Establishment Private, DELTAV (Space Technologies), Structures