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Kişisel Bilgiler

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Eğitim Bilgileri

Bütünleşik Doktora, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, Türkiye 2004 - 2010

Lisans, Çukurova Üniversitesi, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği Bölümü (İngilizce), Türkiye 1998 - 2003

Araştırma Alanları

Makina Mühendisliği, Mekaniik, Katı Cisimler Mekaniği , Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, İnönü Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2018 - Devam Ediyor

Yrd.Doç.Dr., İnönü Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2018

Araştırma Görevlisi, Orta Doğu Teknik Üniversitesi, Mühendislik Fakültesi, Mühendislik Bilimleri Bölümü, 2004 - 2010

Akademik İdari Deneyim

İnönü Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2016 - Devam Ediyor

İnönü Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2010 - 2013

Verdiği Dersler

İLERİ MÜHENDİSLİK MATEMATİĞİ 1, Yüksek Lisans, 2016 - 2017

BİLGİSAYAR DESTEKLİ TEKNİK ÇİZİM, Lisans, 2016 - 2017

MAKİNE TASARIMI 1, Lisans, 2016 - 2017

MAKİNE MÜHENDİSLİĞİNDE BİLGİSAYAR UYGULAMALARI I, Lisans, 2016 - 2017

ELASTİSİTE TEORİSİ 1, Yüksek Lisans, 2016 - 2017

MAKİNE MÜH. LAB. 1, Lisans, 2016 - 2017

MUKAVEMET 1, Lisans, 2016 - 2017

Yönetilen Tezler

ARSLAN E., Elastik-plastik sıkı geçme elemanlarının analitik ve sonlu elemanlar modelleri ile mekanik davranışlarının incelenmesi, Yüksek Lisans, İ.BOZKURT(Öğrenci), 2017

ARSLAN E., Silindirik eksenli homojen ve heterojen panellerin ısı yük altında elastik davranışları, Doktora, M.HASKUL(Öğrenci), 2016
ARSLAN E., Fonksiyonel derecelendirilmiş eğri eksenli piezoelektrik kirişlerin mekanik ve elektriksel davranışları, Yüksek Lisans, A.TURAN(Öğrenci), 2016
ARSLAN E., Eğri eksenli Piezoelektrik kirişlerde deformasyon analizi, Yüksek Lisans, R.USTA(Öğrenci), 2013

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

- I. **Elastic-plastic design of a rotating shrink fit with functionally graded hub**
Apatay T., Arslan E., Mack W.
ARCHIVE OF APPLIED MECHANICS, cilt.87, sa.11, ss.1829-1843, 2017 (SCI-Expanded)
- II. **Radial heating of a thick-walled cylindrically curved FGM-panel**
HASKUL M., ARSLAN E., Mack W.
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.97, sa.3, ss.309-321, 2017 (SCI-Expanded)
- III. **Generalized plane strain solution of a thick-walled cylindrical panel subjected to radial heating**
ARSLAN E., HASKUL M.
ACTA MECHANICA, cilt.226, sa.4, ss.1213-1225, 2015 (SCI-Expanded)
- IV. **Shrink fit with solid inclusion and functionally graded hub**
ARSLAN E., Mack W.
COMPOSITE STRUCTURES, cilt.121, ss.217-224, 2015 (SCI-Expanded)
- V. **Yielding of two-layer curved bars under pure bending**
ARSLAN E., SÜLÜ İ. Y.
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.94, sa.9, ss.713-720, 2014 (SCI-Expanded)
- VI. **Elastic-plastic states of a radially heated thick-walled cylindrically curved panel**
ARSLAN E., MACK W.
FORSCHUNG IM INGENIEURWESEN-ENGINEERING RESEARCH, cilt.78, ss.1-11, 2014 (SCI-Expanded)
- VII. **Mechanical and electrical fields of piezoelectric curved sensors**
ARSLAN E., USTA R.
ARCHIVES OF MECHANICS, cilt.66, sa.5, ss.329-342, 2014 (SCI-Expanded)
- VIII. **Epidemiologic and clinical characteristics and outcomes of scorpion sting in the southeastern region of Turkey**
Yilmaz F., Arslan E., Demir A. Ç., Kavalci C., Durdu T., Yilmaz M., Yel C., Akbulut S.
ULUSAL TRAVMA VE ACIL CERRAHI DERGİSİ-TURKISH JOURNAL OF TRAUMA & EMERGENCY SURGERY, cilt.19, sa.5, ss.417-422, 2013 (SCI-Expanded)
- IX. **Elastic limits of a radially heated thick-walled cylindrically curved panel**
ARSLAN E., MACK W., GAMER U.
FORSCHUNG IM INGENIEURWESEN-ENGINEERING RESEARCH, cilt.77, ss.13-23, 2013 (SCI-Expanded)
- X. **Bending of graded curved bars at elastic limits and beyond**
ARSLAN E., ERASLAN A. N.
INTERNATIONAL JOURNAL OF SOLIDS AND STRUCTURES, cilt.50, sa.5, ss.806-814, 2013 (SCI-Expanded)
- XI. **The rotating elastic-plastic hollow shaft conveying a hot medium**
Arslan E., MACK W., ERASLAN A. N.
FORSCHUNG IM INGENIEURWESEN-ENGINEERING RESEARCH, cilt.74, sa.1, ss.27-39, 2010 (SCI-Expanded)
- XII. **Analytical solution to the bending of a nonlinearly hardening wide curved bar**
Arslan E., ERASLAN A. N.
ACTA MECHANICA, cilt.210, ss.71-84, 2010 (SCI-Expanded)
- XIII. **A concise analytical treatment of elastic-plastic bending of a strain hardening curved beam**
ERASLAN A. N., Arslan E.

ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, cilt.88, sa.8, ss.600-616, 2008 (SCI-Expanded)

- XIV. **Effect of a temperature cycle on a rotating elastic-plastic shaft**
ARSLAN E., MACK W., ERASLAN A. N.
ACTA MECHANICA, cilt.195, ss.129-140, 2008 (SCI-Expanded)
- XV. **The strain hardening rotating hollow shaft subject to a positive temperature gradient**
ERASLAN A. N., Arslan E., MACK W.
ACTA MECHANICA, cilt.194, ss.191-211, 2007 (SCI-Expanded)
- XVI. **Plane strain analytical solutions to rotating partially plastic graded hollow shafts**
ERASLAN A. N., ARSLAN E.
Turkish Journal of Engineering and Environmental Sciences, cilt.31, ss.273-288, 2007 (SCI-Expanded)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Analysis on multi-layered and functionally graded spherical pressure vessels**
ARSLAN E.
PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSİTESİ MUHENDİSLİK BİLİMLERİ DERGİSİ, cilt.23, sa.1, ss.24-35, 2017 (ESCI)
- II. **Deformation and Electrical Behaviours of Functionally Graded Piezoelectric Curved Sensors**
ARSLAN E.
JOURNAL OF POLYTECHNIC-POLİTEKNİK DERGİSİ, cilt.19, sa.4, ss.593-602, 2016 (ESCI)
- III. **Deformation and Electrical Behaviours of Functionally Graded Piezoelectric Curved Sensors**
ARSLAN E.
JOURNAL OF POLİTEKNİK, cilt.19, ss.593-602, 2016 (Hakemli Dergi)
- IV. **Analytical and numerical solutions to a rotating FGM disk**
ERASLAN A. N., ARSLAN E.
Journal of Multidisciplinary Engineering Science and Technology, cilt.2, ss.2843-2850, 2015 (Hakemli Dergi)
- V. **A computational study on the nonlinear hardening curved beam problem**
ERASLAN A. N., ARSLAN E.
International Journal of Pure and Applied Mathematics, cilt.43, ss.129-143, 2008 (Hakemli Dergi)

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **Functionally Graded Materials in Basic Structures - Modeling and Analysis**
ARSLAN E., MACK W.
Mechatroniktag des Institute of Mechanics and Mechatronics 2017, Viyana, Avusturya, 24 Kasım 2017, ss.1
- II. **Analytical and Finite Element Modeling of Elastic-Plastic Shrink Fit with Hollow Shaft**
Bozkurt I., ARSLAN E.
20th International Conference on Composite Structures, Paris, Fransa, 4 - 07 Eylül 2017, ss.242
- III. **Analytical model of an n-layered Spherical Vessel Subjected to External Pressure**
ARSLAN E.
3rd International Eurasian Conference on Mathematical Sciences and Applications, Viyana, Avusturya, 25 - 28 Ağustos 2017, ss.172
- IV. **Shrink fit with FGM-hub subject to heating and rotation**
ARSLAN E., MACK W.
86th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Lecce, İtalya, 23 - 27 Mart 2017, cilt.15, sa.1, ss.169-170
- V. **Thermal stresses in a cylindrical panel with free ends**
HASKUL M., ARSLAN E.

85th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Erlangen, Almanya, 10 - 14 Mart 2017, cilt.14, sa.1, ss.233-234

VI. Determination of Material Parameters from Imperfect Cyclic Plasticity Test Data

ARSLAN E., zigo M., Kepplinger G., MACK W.

88th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Weimar, Almanya, 6 - 10 Mart 2017, ss.1

VII. Thermally loaded elastic-plastic shrink fit with FGM-hub

APATAY T., ARSLAN E., MACK W.

88th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Weimar, Almanya, 6 - 10 Mart 2017, ss.1

VIII. Mechanical and Electrical Behaviors of Functionally Graded Piezoelectric Curved Sensors

ARSLAN E., Önal A. T.

5th International Workshop on Piezoelectric MEMS (PiezoMEMS 2016), Grenoble, Fransa, 24 - 25 Mayıs 2016, ss.20

IX. Thermally loaded thick-walled cylindrically curved aluminum/steel-FGM-panel

HASKUL M., ARSLAN E., MACK W.

Joint Annual Meeting of DMV and GAMM, Braunschweig, Almanya, 7 - 11 Mart 2016, cilt.16, sa.1, ss.185-186

X. Bending behavior of a bi-morph piezoelectric curved beam

USTA R., ARSLAN E.

85th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Erlangen, Almanya, 10 - 14 Mart 2014, cilt.14, sa.1, ss.191-192

XI. A comparison between multilayered and functionally graded spherical pressure vessels

ARSLAN E.

84th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Novi Sad, Sırbistan Ve Karadağ, 18 - 22 Mart 2013, cilt.13, sa.1, ss.89-90

XII. Elastic plastic states of two layer curved bar under pure bending

Sülü İ. Y., Arslan E.

Gamm Appl. Math. Mech.(83rd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM)), Darmstadt, Almanya, 26 - 30 Mart 2012, cilt.12, ss.229-230

XIII. Elastic limit analysis of a thick-walled cylindrical panel subject to radial heating

ARSLAN E., MACK W.

83rd Annual Meeting of the International Association of Applied Mathematics and Mechanics, Darmstadt, Almanya, 26 - 30 Mart 2012, cilt.12, sa.1, ss.219-220

XIV. Elastic-plastic states of two-layer curved bar under pure bending

SÜLÜ İ. Y., ARSLAN E.

83rd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Darmstadt, Almanya, 26 - 30 Mart 2012, ss.229-230

XV. Elastic-plastic states of two-layer curved bar under pure bending

SÜLÜ İ. Y., ARSLAN E.

83rd Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Darmstadt, Almanya, 26 - 30 Mart 2012, ss.229-230

XVI. Basit Eğilme Altında Eğri Eksenli İki Katmanlı Kompozit Kirişin Akması

ARSLAN E., SÜLÜ İ. Y.

XVII. Ulusal Mekanik Kongresi, Elazığ, Türkiye, 5 - 09 Eylül 2011, ss.126-132

XVII. Basit Eğilme Altında Eğri Eksenli İki Katmanlı Kompozit Kirişin Akması

ARSLAN E., SÜLÜ İ. Y.

XVII. Ulusal Mekanik Kongresi, Elazığ, Türkiye, 5 - 09 Eylül 2011, ss.126-132

XVIII. Analytical stress analysis of partially plastic graded curved bars subjected to pure bending

ARSLAN E., ERASLAN A. N.

82nd Annual Meeting of the International Association of Applied Mathematics and Mechanics, Graz, Avusturya, 18 - 21 Nisan 2011, cilt.11, sa.1, ss.189-190

XIX. Computation of the partially plastic stresses in graded curved bars

ARSLAN E., ERASLAN A. N.

The 2010 International Conference on Scientific Computing, Las Vegas, Amerika Birleşik Devletleri, 12 - 15 Temmuz 2010, ss.273-277

XX. The rotating elastic-plastic hollow shaft heated at its inner surface

ARSLAN E., MACK W., ERASLAN A. N.

80th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Gdansk, Polonya, 9 - 13 Şubat 2009, cilt.9, sa.1, ss.219-220

XXI. Transient heating of a rotating elastic-plastic solid shaft

ARSLAN E., MACK W., ERASLAN A. N.

79th Annual Meeting of the International Association of Applied Mathematics and Mechanics, Bremen, Almanya, 31 Mart - 04 Nisan 2008, cilt.8, sa.1, ss.10257-10258

XXII. Elastic-plastic states of a rotating inhomogeneously heated strain hardening hollow shaft

ARSLAN E., ERASLAN A. N., MACK W.

6th International Congress on Industrial and Applied Mathematics, Zürih, İsviçre, 16 - 20 Temmuz 2007, cilt.7, sa.1, ss.4040051-4040052

XXIII. Numerical solution of partially plastic curved beam problem

ERASLAN A. N., ARSLAN E.

III European Conference on Computational Mechanics Solids, Structures and Coupled Problems in Engineering, Lizbon, Portekiz, 5 - 08 Haziran 2006, ss.63

Desteklenen Projeler

ARSLAN E., Diğer Uluslararası Fon Programları, Next Generation of Virtual Product Development ViProD 2 0, 2016 - Devam Ediyor

ARSLAN E., Diğer Uluslararası Fon Programları, Further studies on cyclic plasticity in strength analysis of vehicle components, 2015 - 2016

Metrikler

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H-İndeks (Scopus): 6