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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, Mekanik, 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 ıslı yük altında elastik davranışları, Doktora, M.HASKUL(Öğrenci), 2016
- ARSLAN E, Fonksiyonel derecelendirilmiş eğri eksenli piezoelektrik kırışların mekanik ve elektriksel davranışları, Yüksek Lisans, A.TURAN(Öğrenci), 2016
- ARSLAN E, Eğri eksenli Piezoelektrik kırışlerde 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 ACİL 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 FUR 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)

Diger Dergilerde Yayınlanan Makaleler

- I. **Analysis on multi-layered and functionally graded spherical pressure vessels**
 ARSLAN E.
 PAMUKKALE UNIVERSITY JOURNAL OF ENGINEERING SCIENCES-PAMUKKALE UNIVERSITESI MUHENDISLIK BILIMLERİ 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-POLITEKNIK 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 POLYTECHNIC, 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 Kırışın Akması**
ARSLAN E., SÜLÜ İ. Y.
- XVII. Ulusal Mekanik Kongresi, Elazığ, Türkiye, 5 - 09 Eylül 2011, ss.126-132
- XVIII. **Basit Eğilme Altında Eğri Eksenli İki Katmanlı Kompozit Kırışın 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

Yayın: 44
Atıf (WoS): 96
Atıf (Scopus): 98
H-İndeks (WoS): 7
H-İndeks (Scopus): 6