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Education Information

Post Doctorate, Texas A&M University, Engineering Faculty, Mechanical Engineering Department, United States Of America 2006 - 2006

Doctorate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, Turkey 1998 - 2005

Postgraduate, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, Turkey 1995 - 1998

Undergraduate, Erciyes University, Mühendislik Fakültesi, Makina Müh. Bölümü, Turkey 1991 - 1995

Foreign Languages

English, B2 Upper Intermediate

Dissertations

Doctorate, Çok Katmanlı ve Fonksiyonel Kademelendirilmiş Kompozit Plakalarda Isıl Artık Gerilmelerin Analizi, Erciyes Üniversitesi, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, 2005

Postgraduate, Endüstriyel Taşıma Amaçlı Manyetik Tutucu ve Robot Kol Tasarımı, Erciyes University, Fen Bilimleri Enstitüsü, Makina Mühendisliği Anabilimdalı, 1998

Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Engineering and Technology

Academic Titles / Tasks

Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2017 - Continues

Associate Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2012 - 2017

Assistant Professor, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 2005 - 2012

Research Assistant, Erciyes University, Mühendislik Fakültesi, Makina Mühendisliği, 1997 - 2005

Academic and Administrative Experience

Vice Dean, Erciyes University, Mühendislik Fakültesi, 2016 - 2023

Erciyes University, 2016 - 2023

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, Uçak Mühendisliği Bölümü, 2012 - 2016

Erciyes University, 2012 - 2016

Erciyes Üniversitesi, Havacılık ve Uzay Bilimleri Fakültesi, 2012 - 2015

Advising Theses

Güneş R., Numerical Investigation of V-Die Bending Parameters, Postgraduate, E.Katı(Student), 2019

GÜNEŞ R., Low Velocity Impact Behaviour of Thick and Thin Composites, Postgraduate, J.HAMMOOD(Student), 2018

GÜNEŞ R., Ballistic Impact Behaviour of Thick and Thin Composites, Postgraduate, D.SALEEM(Student), 2018

GÜNEŞ R., Fonksiyonel Kademelenendirilmiş Plakaların Farklı Mermi Çarpma Açılarında Balistik Limitlerinin Araştırılması, Postgraduate, M.Hakan(Student), 2017

GÜNEŞ R., Katmanlı Kompozit Plakalar ile Desteklenmiş Nomex Bal Peteği Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi, Postgraduate, M.Alçı(Student), 2016

GÜNEŞ R., Fonksiyonel Kademelenendirilmiş Plakalar ile Takviyelendirilmiş Bal Peteği Sandviç Yapıların Balistik Performansının İncelenmesi, Postgraduate, K.Arslan(Student), 2014

GÜNEŞ R., Fonksiyonel Kademelenendirilmiş Sandviç Plakaların Düşük Hızlı Çarpma Yükleri Altındaki Mekanik Davranışlarının İncelenmesi, Postgraduate, İ.Özkeş(Student), 2013

GÜNEŞ R., Nitinol Şekil Hafızalı Alaşımdan Yapılmış Stentin Termomekanik Davranışının Analizi, Postgraduate, H.Gölgeli(Student), 2011

GÜNEŞ R., Düşük Hızlı Çarpma Yükleri Altında Fonksiyonel Kademelenendirilmiş Dairesel Plakaların Mekanik Davranışlarının İncelenmesi, Postgraduate, M.Aydın(Student), 2009

Published journal articles indexed by SCI, SSCI, and AHCI

- I. **Penetration mechanics of ceramic/metal functionally graded plates under ballistic impact: An experimental perspective**
ARSLAN K., GÜNEŞ R.
Composite Structures, vol.331, 2024 (SCI-Expanded)
- II. **Normal and oblique ballistic impact damage behaviour of functionally graded plates: Experimental and numerical**
Hakan M., Güneş R., Apalak M. K., Reddy J.
INTERNATIONAL JOURNAL OF IMPACT ENGINEERING, vol.181, pp.104576, 2023 (SCI-Expanded)
- III. **Experimental analysis on deformation and damage behavior of Al6061/SiC functionally graded plates under low-velocity impact**
ARSLAN K., GÜNEŞ R.
Ceramics International, vol.49, no.19, pp.31012-31023, 2023 (SCI-Expanded)
- IV. **A comparison study on experimental characterization of unidirectional fiber reinforced composites using strain-gauges and virtual extensometers**
ALÇI M., GÜNEŞ R.
Materialprüfung/Materials Testing, vol.65, no.2, pp.174-191, 2023 (SCI-Expanded)
- V. **Experimental Investigation into the Low-velocity Impact Behavior of Thick and Thin Laminated Composites**
Gunes R., Al-Hraishawi J.
MECHANICS OF COMPOSITE MATERIALS, vol.58, no.5, pp.747-760, 2022 (SCI-Expanded)
- VI. **Evaluation of geometrically nonlinear and elastoplastic behavior of functionally graded plates under mechanical loading-unloading**
Arslan K., Güneş R., Apalak M. K., Reddy J.

- MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.29, no.11, pp.1587-1600, 2022 (SCI-Expanded)
- VII. **Numerical investigation on normal and oblique ballistic impact behavior of functionally graded plates**
Güneş R., Hakan M., Apalak M. K., Reddy J.
MECHANICS OF ADVANCED MATERIALS AND STRUCTURES, vol.28, no.20, pp.2114-2130, 2021 (SCI-Expanded)
- VIII. **Experimental investigation of the low-velocity impact response of sandwich plates with functionally graded core**
Güneş R., Özkeş İ., Nair F., Apalak M. K.
Journal Of Composite Materials, vol.54, no.24, pp.3571-3593, 2020 (SCI-Expanded)
- IX. **Ballistic performance of honeycomb sandwich structures reinforced by functionally graded face plates**
GÜNEŞ R., ARSLAN K., APALAK M. K., REDDY J. N.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.21, no.1, pp.211-229, 2019 (SCI-Expanded)
- X. **Low-Velocity Flexural Impact Analyses of Functionally Graded Sandwich Beams Using Finite Element Modeling**
ARSLAN K., GÜNEŞ R.
INTERNATIONAL JOURNAL OF APPLIED MECHANICS, vol.10, no.10, 2018 (SCI-Expanded)
- XI. **Experimental damage evaluation of honeycomb sandwich structures with Al/B4C FGM face plates under high velocity impact loads**
ARSLAN K., GÜNEŞ R.
COMPOSITE STRUCTURES, vol.202, pp.304-312, 2018 (SCI-Expanded)
- XII. **Experimental tests and numerical modeling of ballistic impact on honeycomb sandwich structures reinforced by functionally graded plates**
ARSLAN K., GÜNEŞ R., APALAK M. K., REDDY J. N.
JOURNAL OF COMPOSITE MATERIALS, vol.51, no.29, pp.4009-4028, 2017 (SCI-Expanded)
- XIII. **Development of numerical realistic model for predicting low-velocity impact response of aluminium honeycomb sandwich structures**
GÜNEŞ R., ARSLAN K.
JOURNAL OF SANDWICH STRUCTURES & MATERIALS, vol.18, no.1, pp.95-112, 2016 (SCI-Expanded)
- XIV. **Experimental and numerical investigations of low velocity impact on functionally graded circular plates**
GÜNEŞ R., AYDIN M., APALAK M. K., Reddy J. N.
COMPOSITES PART B-ENGINEERING, vol.59, pp.21-32, 2014 (SCI-Expanded)
- XV. **The elasto-plastic impact analysis of functionally graded circular plates under low-velocities**
GÜNEŞ R., AYDIN M., APALAK M. K., REDDY J. N.
COMPOSITE STRUCTURES, vol.93, no.2, pp.860-869, 2011 (SCI-Expanded)
- XVI. **Free Vibration Analysis of an Adhesively Bonded Functionally Graded Tubular Single Lap Joint**
GÜNEŞ R., APALAK M. K., Yildirim M.
JOURNAL OF ADHESION, vol.87, no.9, pp.902-925, 2011 (SCI-Expanded)
- XVII. **Impact performance of Al/SiC functionally graded circular plates**
APALAK M. K., GÜNEŞ R., AYDIN M., Reddy J. N.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.42, pp.56-65, 2011 (SCI-Expanded)
- XVIII. **Elastic response of functionally graded circular plates under a drop-weight**
GÜNEŞ R., AYDIN M.
COMPOSITE STRUCTURES, vol.92, no.10, pp.2445-2456, 2010 (SCI-Expanded)
- XIX. **Free vibration analysis of adhesively bonded single lap joints with wide and narrow functionally graded plates**
GÜNEŞ R., APALAK M. K., Yildirim M., ÖZKEŞ İ.
COMPOSITE STRUCTURES, vol.92, no.1, pp.1-17, 2010 (SCI-Expanded)
- XX. **Nonlinear analysis of functionally graded circular plates under different loads and boundary conditions**

- Gunes R., Reddy J. N.
INTERNATIONAL JOURNAL OF STRUCTURAL STABILITY AND DYNAMICS, vol.8, no.1, pp.131-159, 2008 (SCI-Expanded)
- XXI. **The free vibration analysis and optimal design of an adhesively bonded functionally graded single lap joint**
Gunes R., Apalak M. K., Yildirim M.
INTERNATIONAL JOURNAL OF MECHANICAL SCIENCES, vol.49, no.4, pp.479-499, 2007 (SCI-Expanded)
- XXII. **Thermal residual stresses in an adhesively bonded functionally graded tubular single lap joint**
Apalak M. K., Gunes R., Eroglu S.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.27, no.1, pp.26-48, 2007 (SCI-Expanded)
- XXIII. **Elastic flexural behaviour of an adhesively bonded single lap joint with functionally graded adherends**
Kemal Apalak M. K., Gunes R.
MATERIALS & DESIGN, vol.28, no.5, pp.1597-1617, 2007 (SCI-Expanded)
- XXIV. **Thermal residual stresses in an adhesively-bonded functionally graded single-lap joint**
Apalak M. K., Gunes R.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.20, no.12, pp.1295-1320, 2006 (SCI-Expanded)
- XXV. **Investigation of elastic stresses in an adhesively bonded single lap joint with functionally graded adherends in tension**
Apalak M. K., Gunes R.
COMPOSITE STRUCTURES, vol.70, no.4, pp.444-467, 2005 (SCI-Expanded)
- XXVI. **Thermal residual stress analysis of Ni-Al₂O₃, Ni-TiO₂, and Ti-SiC functionally graded composite plates subjected to various thermal fields**
Apalak M. K., Gunes R.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.18, no.2, pp.119-152, 2005 (SCI-Expanded)
- XXVII. **Thermal and geometrically nonlinear stress analyses of an adhesively bonded composite tee joint with double support**
Apalak M. K., Apalak Z. G., Gunes R.
JOURNAL OF THERMOPLASTIC COMPOSITE MATERIALS, vol.17, no.2, pp.103-136, 2004 (SCI-Expanded)
- XXVIII. **Steady-state thermal and geometrical adhesively bonded tee joint non-linear stress analysis of an with double support**
Apalak M. K., Apalak Z. G., Gunes R., Karakaş E. S.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.23, no.2, pp.115-130, 2003 (SCI-Expanded)
- XXIX. **Thermal and geometrically non-linear stress analyses of an adhesively bonded composite tee joint**
Apalak M. K., Gunes R., Turaman M. Ö., Cerit A. A.
COMPOSITES PART A-APPLIED SCIENCE AND MANUFACTURING, vol.34, no.2, pp.135-150, 2003 (SCI-Expanded)
- XXX. **Thermal non-linear elastic stress analysis of an adhesively bonded T-joint**
Apalak M. K., Apalak Z. G., Gunes R.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.17, no.7, pp.995-1016, 2003 (SCI-Expanded)
- XXXI. **Geometrically non-linear thermal stress analysis of an adhesively bonded tubular single lap joint**
Apalak M. K., Gunes R., Fidancı L.
FINITE ELEMENTS IN ANALYSIS AND DESIGN, vol.39, no.3, pp.155-174, 2003 (SCI-Expanded)
- XXXII. **On non-linear thermal stresses in an adhesively bonded single lap joint**
Apalak M. K., Gunes R.
COMPUTERS & STRUCTURES, vol.80, no.1, pp.85-98, 2002 (SCI-Expanded)

Articles Published in Other Journals

- I. **Ballistic impact simulation of ceramic/metal armor structures**
ARSLAN K., GÜNEŞ R.

II. Ballistic Limit of Al-SiC Functionally Graded Armor Plates

GÜNEŞ R., HAKAN M., APALAK M. K.

International Journal of Mechanical and Production Engineering, 2017 (Peer-Reviewed Journal)

Refereed Congress / Symposium Publications in Proceedings

- I. Investigation of Low-Velocity Impact Behaviors of Aluminum Foam Sandwich Structures Reinforced with Aluminum Plates**
Jasim N., Güneş R.
VI. International Scientific and Vocational Studies Congress – Engineering, Kayseri, Turkey, 23 - 26 December 2021, pp.24
- II. THERMAL SHOCK ANALYSIS OF STEEL PLATE**
HATİPOĞLU B., GÜNEŞ R., HAMAMCI M., NAİR F.
3. International Conference on Material Science and Technology in Cappadocia (IMSTEC'18), 17 - 19 September 2018, pp.315-318
- III. INVESTIGATION OF MICROSTRUCTURE AND MICROMECHANICAL PROPERTIES OF FUNCTIONALLY GRADED Fe/B4C MATERIALS AFTER DIFFERENT THERMAL CYCLES**
HAMAMCI M., NAİR F., CERİT A. A., GÜNEŞ R.
IV. INTERNATIONAL EGE COMPOSITE MATERIALS SYMPOSIUM, İzmir, Turkey, 6 - 08 September 2018, vol.1, no.1, pp.430-443
- IV. Effect of core orientation on low velocity impact response of honeycomb sandwich beams**
ARSLAN K., Gunes R.
12th International Conference on Sandwich Structures, Lozan, Switzerland, 19 - 22 August 2018, pp.242-244
- V. Demir Matrisli Bor Takviyeli Kompozitlerin (Fe/B) Düşük Hızlı Darbe Davranışlarının İncelenmesi**
HAMAMCI M., NAİR F., CERİT A. A., GÜNEŞ R.
2nd International Conference on Material Science and Technology in Cappadocia (IMSTEC'17), Nevşehir, Turkey, 11 - 13 October 2017, vol.1, no.1, pp.134-141
- VI. Microstructural Properties and Impact Behaviours of B4C Particle Reinforced Iron Matrix Composites**
HAMAMCI M., CERİT A. A., NAİR F., GÜNEŞ R.
9. International Conference on Tribology (BalkanTrib'17), Nevşehir, Turkey, 13 - 15 September 2017, vol.1, no.1, pp.562-575
- VII. Experimental damage analysis of sandwich armors with honeycomb core and FGM face plates under high velocity impact loads**
ARSLAN K., Gunes R.
20th International Conference on Composite Structures, Paris, France, 4 - 07 September 2017
- VIII. Numerical simulations of functionally graded sandwich beams under low velocity impact loads**
ARSLAN K., Gunes R.
20th International Conference on Composite Structures, Paris, France, 4 - 07 September 2017
- IX. Ballistic limit of Al-SiC Functionally Graded Armor Plates**
GÜNEŞ R., Hakan M., APALAK M. K.
234. International Conference on Mechanical and Aerospace Engineering, Madrid, Spain, 3 - 07 May 2017, pp.15-19
- X. Experimental Investigation on the Ballistic Performance of Functionally Graded Plates**
Hakan M., GÜNEŞ R.
III. International Conference on Engineering and Natural Science, Budapeşte, Hungary, 3 - 07 May 2017, pp.1-7
- XI. Ballistic impact simulation of ceramic/metal armor structures**
ARSLAN K., Gunes R.
II. International Defence Industry Symposium, Kırıkkale, Turkey, 6 - 08 April 2017, pp.1-9

- XII. **Fonksiyonel Kademelenendirilmiş Dairesel Plakaların Katman Yapısının Düşük Hızlı Darbe Davranışına Etkisi**
ARSLAN K., GÜNEŞ R.
VI. Ulusal Havacılık ve Uzay Konferansı, Kocaeli, Turkey, 28 - 30 September 2016, pp.1-10
- XIII. **Low Velocity Impact Performance of Honeycomb Sandwich Structures Reinforced by Functionally Graded Face Plates**
ARSLAN K., GÜNEŞ R., APALAK M. K., Reddy J.
14th Internayional Symposium on Functionally Graded Materials, Bayreuth, Germany, 10 - 21 September 2016, pp.126-130
- XIV. **Investigation on Ballistic Limit of Functionally Graded Plates**
GÜNEŞ R., Hakan M., APALAK M. K., Reddy J.
14th Internayional Symposium on Functionally Graded Materials, Bayreuth, Germany, 18 - 21 September 2016, pp.1-5
- XV. **Investigation on the Ballistic Limit of Functionally Graded Plates**
GÜNEŞ R., HAKAN M., APALAK M. K., REDDY J. N.
ISFGMs 2016, 14th International Symposium on Functionally Graded Materials, Multiscale and Multifunctional Structures, 18 - 21 September 2016
- XVI. **Progressive Failure Analysis of Laminated Composite Plates Under Low Velocity Impact**
Güneş R., Alçı M., Hakan M., Apalak M. K.
The 17th International Conference on Machine Design and Production, Bursa, Turkey, 12 - 15 July 2016, pp.1-11
- XVII. **Fonksiyonel Kademelenendirilmiş Sandviç Plakaların Balistik Darbe Yüğü Altındaki Davranışı Üzerinde Farklı Seramik Bileşenlerinin Etkisinin İncelenmesi**
AYDIN M., APALAK M. K., GÜNEŞ R., Reddy J.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 August - 28 November 2015
- XVIII. **Alüminyum Plakaların Balistik Performansının Araştırılması**
Hakan M., Güneş R., Apalak M. K.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015, pp.525-535
- XIX. **Fonksiyonel Kademelenendirilmiş Plakalar ile Desteklenmiş Bal Peteği Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi**
ARSLAN K., GÜNEŞ R., APALAK M. K., Reddy J.
XIX. Ulusal Mekanik Kongresi, Trabzon, Turkey, 24 - 28 August 2015
- XX. **An Experimental Study On Ballistics Performance: Functionally Graded Sandwich Plate Impacted By A 9 Mm Parabellum Projectile**
AYDIN M., APALAK M. K., GÜNEŞ R., Reddy J.
13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao Paulo, Brazil, 19 - 22 October 2014, pp.21-24
- XXI. **Numerical Investigations On The Ballistic Performance Of Honeycomb Sandwich Structures Reinforced By Functionally Graded Plates**
GÜNEŞ R., ARSLAN K., APALAK M. K., Reddy J.
13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao Paulo, Brazil, 19 - 22 October 2014, pp.16-20
- XXII. **Numerical Investigations on the Ballistic Performance of Honeycomb Sandwich Structures Reinforced by Funcionally Graded Plates**
GÜNEŞ R., ARSLAN K., APALAK M. K., JN R.
Proceedings of the 13th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Sao-Paulo, Brazil, 19 - 22 October 2014, vol.1, pp.9-13
- XXIII. **Alüminyum Plakalar ile Takviyelendirilmiş Alüminyum Bal Peteği Sandviç Yapıların Düşük Hızlı Darbe Davranışlarının İncelenmesi**
ARSLAN K., GÜNEŞ R., APALAK M. K.
V. Ulusal Havacılık ve Uzay Konferansı, Kayseri, Turkey, 8 - 10 September 2014, pp.1-10
- XXIV. **Plaklı Bir Damar İle Nitinol Stent Etkileşiminin Sonlu Elemanlar Yöntemiyle İncelenmesi**

GÜNEŞ R., ÇAM Ö., APALAK M. K.

Uluslararası Katılımlı 6. Biyomekanik Kongresi, Sakarya, Turkey, 28 - 30 September 2012

- XXV. **Plaklı Bir Damar İle Nitinol Stent Etkileşiminin Sonlu Elemanlar Yöntemiyle İncelenmesi Investigation Of Interaction Between Nitinol Stent And A Vascular Plaque Using Finite Element Method**
GÜNEŞ R., ÇAM Ö., APALAK M. K.
6. Biyomekanik Uluslararası Katılımlı Kongre, Sakarya, Turkey, 28 - 30 September 2012, vol.16, no.3, pp.319-329
- XXVI. **Nitinol Stentin Süperelastik Davranışının Analizi**
GÜNEŞ R., APALAK M. K., Gölgeci H.
Uluslararası Katılımlı V. Ulusal Biyomekanik Kongresi, İzmir, Turkey, 23 - 25 September 2010
- XXVII. **Low-Velocity Impact Behaviour Of Functionally Graded Circular Plates**
GÜNEŞ R., APALAK M. K., AYDIN M., Reddy J. N.
11th International Symposium on Multiscale, Multifunctional and Functionally Graded Materials, Guimarães, Portugal, Portugal, 1 - 04 September 2010, pp.1
- XXVIII. **Alüminyum Plakaların Düşük Hızlı Darbe Davranışlarının Deneysel ve Sayısal Olarak İncelenmesi**
GÜNEŞ R., APALAK M. K., AYDIN M.
16. Ulusal Mekanik Kongresi, Kayseri, Turkey, 1 - 04 July 2009
- XXIX. **Fonksiyonel Kademelenendirilmiş Dairesel Plakaların Düşük Hızlı Darbe Analizi**
GÜNEŞ R., APALAK M. K., AYDIN M.
16. Ulusal Mekanik Kongresi, Kayseri, Turkey, 1 - 04 May 2009
- XXX. **Fonksiyonel Kademelenendirilmiş Tek Bindirme Bağlantılı Silindirik Plakaların Burkulma Sonrası Davranışları**
GÜNEŞ R., APALAK M. K., AYDIN M.
Kayseri VII. Havacılık Sempozyumu, Kayseri, Turkey, 1 - 04 July 2008
- XXXI. **Post-buckling of Functionally Graded Cylindrical Shells**
GÜNEŞ R., APALAK M. K., Taşdemir H. A.
2007 ASME International Mechanical Engineering Congress and Exposition, Seattle, Washington, United States Of America, 1 - 04 November 2007, pp.1
- XXXII. **Fonksiyonel Kademelenendirilmiş Dairesel Plakaların Lineer Olmayan Termomekanik Analizleri**
GÜNEŞ R., APALAK M. K., Reddy J.
XV. Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007
- XXXIII. **Fonksiyonel Kademelenendirilmiş Küresel Kabukların Burkulma Sonrası Davranışları**
GÜNEŞ R., APALAK M. K., Taşdemir H. A.
XV: Ulusal Mekanik Kongresi, Isparta, Turkey, 3 - 07 September 2007
- XXXIV. **Thermal Residual Stresses in an Adhesively Bonded Functionally Graded Single Lap Joint Subjected to Uniform Temperature Field**
GÜNEŞ R., APALAK M. K.
12nd International Conference on Machine Design and Production, UMTIK'2006, Kuşadası, Turkey, Turkey, 1 - 04 September 2006, pp.1
- XXXV. **Investigation of Thermal Residual Stresses in an Adhesively Bonded Functionally Graded Single Lap Joint**
APALAK M. K., GÜNEŞ R.
The Sixth International Congress on Thermal Stresses THERMAL STRESSES 2005, TS-2005, Vienna, Austria, Austria, 1 - 04 May 2005, pp.1
- XXXVI. **Stress analysis of an adhesively bonded functionally graded single lap joint**
GÜNEŞ R., APALAK M. K.
The 11th International Conference on Machine Design and Production UMTIK 2004, METU, Antalya, Turkey, Turkey, 1 - 04 October 2004, pp.1
- XXXVII. **Thermal residual stress analysis of functionally graded plates**
APALAK M. K., GÜNEŞ R.
SEMC 2004 : The Second International Conference on Structural Engineering, Mechanics and Computation, Cape Town, South Africa, South Africa, 1 - 04 July 2004, pp.1

- XXXVIII. **, Thermal Residual Stresses in Multilayered Plates Subjected to Uniform, Linear and Parabolic Temperature Distributions**
APALAK M. K., GÜNEŞ R.
The Fifth International Congress on Thermal Stresses THERMAL STRESSES 2003, Blacksburg, VA, USA, United States Of America, 1 - 04 June 2003, pp.1
- XXXIX. **Investigation of Thermal Residual Stresses in Multi-layered Plates with Different Material Combinations**
GÜNEŞ R., APALAK M. K.
The 10th International Conference on Machine Design and Production UMTIK 2002, METU, Cappadocia, Turkey, Turkey, 1 - 04 September 2002, pp.1
- XL. **Geometrically Non-linear Thermal Stress Analysis of an Adhesively Bonded Tee Joint with Single Support plus Angled Reinforcement**
APALAK M. K., GÜNEŞ R.
The Fourth International Congress on Thermal Stresses THERMAL STRESSES 2001, Japan, 1 - 04 June 2001, pp.1
- XLI. **Geometrically Non-linear Thermal Stress Analysis of an Adhesively Bonded Tee Joint with Double Support**
APALAK M. K., GÜNEŞ R., Karakaş E. S.
SEMC 2001 : The International Conference on Structural Engineering, Mechanics and Computation, South Africa, 1 - 04 March 2001, pp.1

Supported Projects

- GÜNEŞ R., APALAK M. K., TUBITAK Project, Statik ve Düşük Hızlı Çarpma Yükleri Altında Fonksiyonel Kademelenendirilmiş Plakaların ve Silindirik Kabukların Lineer Olmayan Termo-Mekanik Analizleri, 2007 - Continues
- APALAK M. K., GÜNEŞ R., AYDIN M., ARSLAN K., ÇALIŞKAN U., Project Supported by Higher Education Institutions, Fonksiyonel Kademelenendirilmiş Malzemelerin Yüksek Şekil Değiştirme Hızlarındaki Mekanik Özelliklerinin Karakterizasyonu ve Sayısal Modelinin Geliştirilmesi, 2017 - 2019
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