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Personal Information

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Education Information

Post Doctorate, Lehigh University, Engineering Faculty, Mechanical Engineering And Mechanics, United States Of America
2016 - 2017

Doctorate, Inonu University, Fen Bilimleri, Makine Mühendisliği, Turkey 2010 - 2014

Post Graduate, Cukurova University, Mühendislik-Mimarlık Fakültesi, Makine Mühendisliği, Turkey 2007 - 2010

Under Graduate, Inonu University, Mühendislik Fakültesi, Makina Mühendisliği, Turkey 2002 - 2006

Foreign Languages

English, C1 Advanced

German, B1 Intermediate

Dissertations

Doctorate, İÇ BASINCA MARUZ TABAKALI KOMPOZİT BORULARIN FARKLI BİRLEŞTİRME YÖNTEMLERİ İLE YAPIŞTIRILMASI VE GERİLME ANALİZİ, Inonu University, Fen Bilimleri Enstitüsü, Makine Mühendisliği, 2014

Post Graduate, MESH SENSITIVITY STUDIES FOR MIXED-MODE TWO DIMENSIONAL FRACTURE PROBLEMS USING DISPLACEMENT CORRELATION TECHNIQUE , Cukurova University, Fen Bilimleri Enstitüsü , Makine Mühendisliği, 2010

Research Areas

Mechanical Engineering, Mechanical, Solid Mechanics, Fracture Mechanics, Finite Element Methods, Mechanical Testing, Metallurgical and Materials Engineering, Material science and engineering, Composites, Engineering and Technology

Academic Titles / Tasks

Associate Professor, Inonu University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, 2019 - Continues

Assistant Professor, Inonu University, Mühendislik Fakültesi, Makina Mühendisliği, 2018 - 2019

Assistant Professor, Inonu University, Mühendislik Fakültesi, Makina Mühendisliği, 2015 - 2018

Assistant Professor, Lehigh University, Engineering Faculty, Department Of Mechanical Engineering And Mechanics ,
2016 - 2017

Research Assistant, Inonu University, Mühendislik Fakültesi, Makina Mühendisliği, 2009 - 2015

Advising Theses

Sülü İ. Y. , Sıcak su kazanlarında kullanılan transmisyon millerinin iyileştirilmesi, Post Graduate, A.ER(Student), 2020

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

- I. **Mechanical behavior of pressurized composite pipes made of various materials**
SÜLÜ İ. Y. , Temiz Ş.
MATERIALS TESTING, vol.62, pp.389-394, 2020 (Journal Indexed in SCI)
- II. **Mechanical characterization of composite pipe systems joined using different radii pipes subject to internal pressure**
SÜLÜ İ. Y. , TEMİZ Ş.
Mechanics Based Design of Structures and Machines, 2020 (Journal Indexed in SCI Expanded)
- III. **Failure analysis of an adhesively joined composite pipe system under internal pressure**
SÜLÜ İ. Y. , Temiz S.
MATERIALS TESTING, vol.60, pp.997-1003, 2018 (Journal Indexed in SCI)
- IV. **Mechanical behavior of mode-I crack propagation between composite adhesive joints**
SÜLÜ İ. Y.
MATERIALS TESTING, vol.60, pp.407-412, 2018 (Journal Indexed in SCI)
- V. **Mechanical behavior of composite parts adhesively jointed with the insert double-lap joint under tensile load**
SÜLÜ İ. Y.
WELDING IN THE WORLD, vol.62, pp.403-413, 2018 (Journal Indexed in SCI)
- VI. **Failure and stress analysis of internal pressurized composite pipes joined with sleeves**
SÜLÜ İ. Y. , TEMİZ Ş.
JOURNAL OF ADHESION SCIENCE AND TECHNOLOGY, vol.32, pp.816-832, 2018 (Journal Indexed in SCI)
- VII. **Mechanical behavior of single-lap and double-lap adhesive joined composite parts**
SÜLÜ İ. Y.
MATERIALS TESTING, vol.59, pp.1019-1026, 2017 (Journal Indexed in SCI)
- VIII. **Mechanical testing and analysis of composite parts adhesively joined under tensile load**
SÜLÜ İ. Y.
MATERIALS TESTING, vol.59, pp.459-465, 2017 (Journal Indexed in SCI)
- IX. **Mechanical behavior of internal pressurized composite pipes jointed with embedded tubular sleeves**
SÜLÜ İ. Y.
MATERIALS TESTING, vol.59, pp.272-277, 2017 (Journal Indexed in SCI)
- X. **Experimental failure testing and repair of internal pressurized composite pipes using different fracture models**
SÜLÜ İ. Y. , Sahinaslan A.
MATERIALS TESTING, vol.58, pp.788-793, 2016 (Journal Indexed in SCI)
- XI. **Yielding of two-layer curved bars under pure bending**
ARSLAN E., SÜLÜ İ. Y.
ZAMM-ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND MECHANIK, vol.94, pp.713-720, 2014 (Journal Indexed in SCI)
- XII. **Sensitivities of Two-Dimensional Fracture Problems to the Near-tip Mesh Parameters**
SÜLÜ İ. Y. , Ayhan A. O.
INTERNATIONAL JOURNAL OF FRACTURE, vol.177, pp.207-214, 2012 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Non-linear analysis of composite parts jointed with embedded adhesive under tensile load**
SÜLÜ İ. Y.

- Journal of the Institute of Science and Technology, vol.10, pp.465-476, 2020 (Other Refereed National Journals)
- II. **Çekme Yüğü Altında Gömülü Tek Tesirli Yama ile Yapıştırılarak Birleştirilmiş Kompozit Parçaların Gerilme Analizi**
SÜLÜ İ. Y.
Bitlis Eren Üniversitesi Fen Bilimleri Dergisi, vol.7, pp.284-295, 2018 (Other Refereed National Journals)
- III. **Stress analysis of multi-layered hybrid composite pipes subjected to internal pressure**
SÜLÜ İ. Y.
International Journal Of Engineering Applied Sciences, vol.8, pp.87-98, 2016 (Refereed Journals of Other Institutions)
- IV. **Layer Effects of Multi-Layered Face to Face Adhesively Bonded Composite Pipes Subjected to Internal Pressure**
SÜLÜ İ. Y., TEMİZ Ş., AYDIN M. D.
Academic Journal of Science, vol.4, pp.195-202, 2015 (Refereed Journals of Other Institutions)
- V. **Stress Analyses of Multi-Layered Composite Pipes Subjected to Internal Pressure**
SÜLÜ İ. Y., TEMİZ Ş.
Academic Journal of Science, vol.4, pp.187-193, 2015 (Refereed Journals of Other Institutions)
- VI. **BEHAVIOUR OF BI-ADHESIVE IN DOUBLE-STRAP JOINT WITH EMBEDDED PATCH SUBJECTED TO BENDING**
TEMİZ Ş., ADİN H., SÜLÜ İ. Y.
JOURNAL OF THEORETICAL AND APPLIED MECHANICS-BULGARIA, vol.45, pp.83-96, 2015 (Journal Indexed in ESCI)
- VII. **LAYER EFFECTS OF MULTI LAYERED FACE TO FACE ADHESIVELY BONDED COMPOSITE PIPES SUBJECTED TO INTERNAL PRESSURE**
SÜLÜ İ. Y., TEMİZ Ş., AYDIN M. D.
Academic Journal of Science, vol.4, 2015 (Refereed Journals of Other Institutions)
- VIII. **STRESS ANALYSES OF MULTI LAYERED COMPOSITE PIPES SUBJECTED TO INTERNAL PRESSURE**
SÜLÜ İ. Y., TEMİZ Ş.
Academic Journal of Science, vol.4, 2015 (Refereed Journals of Other Institutions)

Refereed Congress / Symposium Publications in Proceedings

- I. **CHARACTERIZATION OF INTERNAL PRESSURIZED CARBON FIBER PIPESJOINTED WITH NON-EMBEDDED ADHESIVE SLEEVES TUBULAR JOINT**
SÜLÜ İ. Y., TEMİZ Ş.
MAS 13th INTERNATIONAL EUROPEANCONFERENCE ON MATHEMATICS,ENGINEERING, NATURAL MEDICALSCIENCES, Faryab, Afghanistan, 23 - 25 October 2020
- II. **ÇİFT TESİRLİ YAPIŞTIRICI TABAKA İLE BİRLEŞTİRİLMİŞ KOMPOZİT PARÇALARIN GERİLME ANALİZİ**
SÜLÜ İ. Y.
20. ULUSAL MEKANİK KONGRESİ, Bursa, Turkey, 5 - 09 September 2017, pp.25-38
- III. **Stress analysis of composite parts adhesively jointed with the embedded adhesive and single-strap patch joint under tensile load**
SÜLÜ İ. Y.
8 th International Advanced Technologies Symposium (IATS'17), Elazığ, Turkey, 19 - 22 October 2017, pp.273-282
- IV. **Çift tesirli yapıştırıcı tabaka ile birleştirilmiş kompozit parçaların gerilme analizi**
SÜLÜ İ. Y.
20. ULUSAL MEKANİK KONGRESİ, Bursa, Turkey, 5 - 09 September 2017, pp.25-38
- V. **Burst Failure and Stress Analyses of Multi-Layered Composite Pipes Jointed with Tubular Single-Lap Joint Subject to Internal Pressure**
SÜLÜ İ. Y., TEMİZ Ş.
International Engineering, Science and Education Conference, Diyarbakır, Turkey, 1 - 03 December 2016, pp.1220-

- VI. **NUMERICAL ANALYSES OF COMPOSITE PIPES JOINTED WITH DIFFERENT ORIENTATION ANGLES USING PATCHES SUBJECT TO INTERNAL PRESSURE**
SÜLÜ İ. Y. , TEMİZ Ş.
International Engineering, Science and Education Conference, 1 - 03 December 2016
- VII. **Numerical analyses of composite pipes jointed with different orientation angles using patches subject to internal pressure**
SÜLÜ İ. Y. , Temiz Ş.
International Engineering, Science and Education Conference,, Diyarbakır, Turkey, 1 - 03 December 2016, pp.1208-1219
- VIII. **Stress Analyses of Multi-Layered Composite Pipes Subjected to Internal Pressure**
SÜLÜ İ. Y. , TEMİZ Ş.
International Journal of Arts and Sciences, Roma, Italy, 19 - 22 October 2015, pp.187-193
- IX. **Layer effects of multi-layered composite pipes adhesively bonded to face to face subject to internal pressure**
SÜLÜ İ. Y. , TEMİZ Ş., AYDIN M. D.
International Journal of Arts and Sciences, Roma, 19 - 22 October 2015, pp.195-202
- X. **Elastic plastic states of two layer curved bar under pure bending**
SÜLÜ İ. Y. , ARSLAN E.
Gamm Appl. Math. Mech., Darmstadt, Germany, 26 - 30 March 2012, vol.12, pp.229-230
- XI. **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, Germany, 26 - 30 March 2012, pp.229-230
- XII. **Basit Eğilme Altında Eğri Eksenli İki Katmanlı Kompozit Kirişin Akması**
ARSLAN E., SÜLÜ İ. Y.
XVII. Ulusal Mekanik Kongresi, Elazığ, Turkey, 5 - 09 September 2011, pp.126-132
- XIII. **Mesh Sensitivity Studies for Two-Dimensional Mixed-Mode Fracture Problems Using Displacement Correlation Technique**
SÜLÜ İ. Y. , AYHAN A. O.
13 th International Materials Symposium (IMSP'2010), Denizli, Turkey, 13 - 15 October 2010

Supported Projects

SÜLÜ İ. Y. , TEMİZ Ş., Project Supported by Higher Education Institutions, Kompozit Boruların Gömülü ve Gömüsüz Yapıştırıcı Tabaka ile Birleştirilmesi ve Mekanik Davranışlarının İncelenmesi, 2018 - Continues
TUBITAK Project, Hibrit kompozit shaft üretimi ve tasarım parametreleri üzerine çalışma, 2010 - 2012
TUBITAK Project, Kırılma ve çatlak ilerleme analiz sistemi(Fcpas) Aşama 1, 2008 - 2011

Scientific Refereeing

JOURNAL OF NATURAL FIBERS, Journal Indexed in SCI-E, October 2020
Engineering Structures, Journal Indexed in SCI-E, July 2020
BIORESOURCES, Journal Indexed in SCI-E, February 2020
Proceedings Of The Institution Of Mechanical Engineers Part C-Journal Of Mechanical Engineering Science, Journal Indexed in SCI-E, January 2019
Journal of Mechanical Engineering Science, Journal Indexed in SCI-E, December 2018
International Journal of Scientific and Technological Research, Other Indexed Journal, November 2018
Dicle Üniversitesi Mühendislik Fakültesi Mühendislik Dergisi, National Scientific Refreed Journal, November 2016

Citations

Total Citations (WOS):23

h-index (WOS):3

Scholarships

TÜBİTAK 2219 - Yurt Dışı Doktora Sonrası Araştırma Burs Programı, TÜBİTAK, 2016 - 2017

DAAD Yoğunlaştırılmış Almanca Kursu, Official Institutions of Foreign Countries, 2012 - 2012

TÜBİTAK Yurt Dışı Etkinliklere Katılım Destek Bursu, University, 2012 - 2012

Awards

SÜLÜ İ. Y. , TÜBİTAK Uluslararası Bilimsel Yayın Teşvik Ödülü, TÜBİTAK, December 2012