

Prof. NECDET GEREN

Personal Information

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Education Information

Doctorate, University of Salford, Faculty Of Engineering , Aero. And Mech Eng., United Kingdom 1989 - 1993

Postgraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği , Turkey 1984 - 1987

Undergraduate, Cukurova University, Mühendislik Mimarlık Fakültesi, Makine Mühendisliği , Turkey 1980 - 1984

Research Areas

Mechanical Engineering, Construction and Manufacturing, Machine Elements, Machine Design, Non-traditional manufacturing methods, Material, Engineering and Technology

Academic and Administrative Experience

Rektörlük Stratejik Plan Komisyonu Üyesi, Cukurova University, Mühendislik Fakültesi, 2017 - 2018

Director of the Center, THE SCIENTIFIC AND TECHNOLOGICAL RESEARCH COUNCIL OF TURKEY, Üniversite-Sanayi Ortak Araştırma Merkezleri (ÜSAM) programı, TÜBİTAK-Adana-ÜSAM, 2005 - 2006

Assistant Coordinator, Science Engineering Research Council of Turkey, TÜBİTAK-Adana Üniversite-Sanayi Ortak Araştırma Merkezi, Merkez Danışmanı, 2003 - 2005

Yükseköğretim Kurulu Üyesi, Cukurova University, Adana Meslek Yüksek Okulu, 1999 - 2004

Uygulama ve Araştırma Merkezi Yönetim Kurulu Üyesi, Cukurova University, Rektörlük, Endüstriyel ve Tıbbi Elektronik Enstrümantasyon Araştırma ve Uygulama Merkezi, 1994 - 1998

Courses

DESIGN PROJECT STUDIES II, Postgraduate, 2014 - 2015, 2019 - 2020

DESIGN PROJECT STUDIES I, Postgraduate, 1994 - 1995, 2019 - 2020

SPECIAL AREA COURSE, Postgraduate, 2016 - 2017

Flexible Manufacturing Cells and Design Methodologies, Postgraduate, 2016 - 2017

SPECIAL AREA COURSE, Doctorate, 2016 - 2017

SPECIAL AREA COURSE, Doctorate, 2016 - 2017

ENGINEERING PROJECT I, Undergraduate, 2016 - 2017

ENGINEERING PROJECT II, Undergraduate, 2016 - 2017

SPECIAL AREA COURSE, Postgraduate, 2016 - 2017

Advanced Material Selection, Postgraduate, 2016 - 2017

MANUFACTURING ASSEMBLY AND INDUSTRIAL ROBOTS, Doctorate, 2014 - 2015

Pneumatic Systems for Automation, Undergraduate, 2014 - 2015

Machine Elements I, Undergraduate, 2014 - 2015

Industrial Robots and Manufacturing Automation, Undergraduate, 2014 - 2015

Machine Elements II, Undergraduate, 2014 - 2015

Advising Theses

Geren N., DEVELOPING AND TESTING OF POLYMER FOAM CORE SANDWICH STRUCTURES WITH HYBRID CARBON FIBER/WIRE MESH SHEET FACINGS, Doctorate, Ç.UZAY(Student), 2020

Geren N., Ratings of various gear design approaches and a translation technique for spiral bevel gear design, Postgraduate, M.ONUR(Student), 2020

Geren N., The effect of additives on the low velocity impact properties of low density fiber sandwich panels, Postgraduate, D.CAN(Student), 2019

Geren N., A comparison of approaches to involute bevel gear design, Postgraduate, G.TURĞUT(Student), 2019

Geren N., A comparison of approaches to involute helical gear design, Postgraduate, Z.DİCLE(Student), 2019

Geren N., Investigating the success of a new systematic product design approach on example designs, Postgraduate, M.MERT(Student), 2016

Geren N., Parametric design of automotive ball joint using computer assisted 3d modeling, Postgraduate, O.OKTAY(Student), 2015

Geren N., A comparison of approaches to involute spur gear design, Postgraduate, Ç.UZAY(Student), 2014

Geren N., Systematic design of carton separating machine, Postgraduate, H.Delibas(Student), 2012

Geren N., Redesign of high pressure pipes and connections for water-jet cutting system, Postgraduate, T.KANTARCI(Student), 2010

Geren N., Optimization of process parameters of drilling using the Taguchi method, Postgraduate, E.KABAKLI(Student), 2009

Geren N., Design of a fully automated flexible PCBA rework system using systematic design techniques, Postgraduate, Ç.SARIGÜL(Student), 2008

Geren N., The design of the water-jet cutting machine, intensifier unit, Postgraduate, A.KUNİ(Student), 2008

Geren N., Modeling of water jet intensifier and materials selection for optimum wall thicknesses, Postgraduate, M.İLTERİŞ(Student), 2004

Geren N., Alternative proposals for automating rework of advanced surface mount components, Postgraduate, M.ÇAKIRCA(Student), 2004

Geren N., Redesign of high pressure water-jet cutting system, Postgraduate, M.TUTAL(Student), 2002

Geren N., Development of expert system for shaft design, Postgraduate, J.HADZİGRAHİC(Student), 2001

Geren N., Expert system development for gearbox design, Postgraduate, M.MURAT(Student), 2000

Geren N., Multi-layer intensifier design and analysis of design parameters, Postgraduate, T.TUNÇ(Student), 2000

Geren N., Design and manufacturing of a double-acting high pressure intensifier, Postgraduate, S.KIRBAŞ(Student), 1999

Geren N., Kanada kavağının liflerine paralel olarak uygun bir kesici takım ve kesme metodu geliştirilerek talaşsız kesilmesi, Postgraduate, E.EKLER(Student), 1998

Geren N., Scara tipi robot kolunun hareketlerinin bilgisayar destekli programlarla kontrolü, Postgraduate, M.ERTÜRK(Student), 1997

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

I. A method for the optimal design of low-density polymer foam core sandwiches using FEA and multiobjective optimization of design variables

Uzay C., Acer D. C. , Geren N.

JOURNAL OF POLYMER ENGINEERING, 2021 (Journal Indexed in SCI)

II. Effect of substrate surface roughness on the wear of molybdenum disulphate coated rolling contact bearings

Gokce B., GEREN N., İZCİLER M.

MATERIALS TESTING, vol.63, no.9, pp.848-854, 2021 (Journal Indexed in SCI)

- III. **The effect of boron carbide additive on the low-velocity impact properties of low-density foam core composite sandwich structures**
GEREN N., ACER D. C. , Uzay C., BAYRAMOĞLU M.
POLYMER COMPOSITES, 2021 (Journal Indexed in SCI)
- IV. **Effect of stainless-steel wire mesh embedded into fibre-reinforced polymer facings on flexural characteristics of sandwich structures**
UZAY Ç., GEREN N.
Journal of Reinforced Plastics and Composites, vol.39, pp.613-633, 2020 (Journal Indexed in SCI)
- V. **A proposal to improve the competence of students within the unnecessarily complex mechanical engineering design environment**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, 2020 (Journal Indexed in SCI)
- VI. **Characterization of boronized AISI 1050 steel and optimization of process parameters**
BOZTEPE M. H. , BAYRAMOĞLU M., UZAY Ç., Dagsuyu C., KOKANGÜL A., GEREN N.
MATERIALS TESTING, vol.61, no.6, pp.549-553, 2019 (Journal Indexed in SCI)
- VII. **Bending behavior of sandwich structures with different fiber facing types and extremely low-density foam cores**
Uzay Ç., Geren N., Bortepe M. H. , Bayramoğlu M.
MATERIALS TESTING, vol.61, pp.220-230, 2019 (Journal Indexed in SCI)
- VIII. **Mechanical engineering and issues on teaching mechanical engineering design in Turkey**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
INTERNATIONAL JOURNAL OF TECHNOLOGY AND DESIGN EDUCATION, vol.28, no.3, pp.843-866, 2018 (Journal Indexed in SCI)
- IX. **Introducing gear ratings and AGMA conversion factors for the steel spur gear design under bending fatigue**
GEREN N., UZAY Ç., BAYRAMOĞLU M.
MATERIALS TESTING, vol.59, pp.1043-1053, 2017 (Journal Indexed in SCI)
- X. **Parametric design of automotive ball joint based on variable design methodology using knowledge and feature-based computer assisted 3D modelling**
GEREN N., AKCALI O. O. , BAYRAMOĞLU M.
ENGINEERING APPLICATIONS OF ARTIFICIAL INTELLIGENCE, vol.66, pp.87-103, 2017 (Journal Indexed in SCI)
- XI. **Effect of post-curing heat treatment on mechanical properties of fiber reinforced polymer (FRP) composites**
Uzay Ç., Boztepe M. H. , Bayramoğlu M., Geren N.
MATERIALS TESTING, vol.59, pp.366-372, 2017 (Journal Indexed in SCI)
- XII. **EVALUATION OF THE SURFACE ROUGHNESS AND GEOMETRIC ACCURACIES IN A DRILLING PROCESS USING THE TAGUCHI ANALYSIS**
Kabakli E., BAYRAMOĞLU M., GEREN N.
MATERIALI IN TEHNOLOGIJE, vol.48, no.1, pp.91-98, 2014 (Journal Indexed in SCI)
- XIII. **Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part II - conceptual design of soldering and desoldering system**
GEREN N., SARIGUL C., BAYRAMOĞLU M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.24, no.3, pp.151-166, 2012 (Journal Indexed in SCI)
- XIV. **Systematic mechanical design approach for a flexible printed circuit board assemblies (PCBA) rework cell: part I - generic mechanical design procedure**
GEREN N., SARIGUL C., BAYRAMOĞLU M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.23, no.4, pp.244-256, 2011 (Journal Indexed in SCI)
- XV. **MATHEMATICAL MODELING FOR PREDICTION AND OPTIMIZATION OF TIG WELDING POOL GEOMETRY**
Esme U., KOKANGÜL A., BAYRAMOĞLU M., GEREN N.

- METALURGIJA, vol.48, no.2, pp.109-112, 2009 (Journal Indexed in SCI)
- XVI. **Cost and performance evaluation of different surface treated dies for hot forging process**
BAYRAMOĞLU M., POLAT H. H. , GEREN N.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.205, pp.394-403, 2008 (Journal Indexed in SCI)
- XVII. **Statistical optimization of process parameters to obtain maximum thickness and brightness in chromium plating**
BAYRAMOĞLU M., ONAT B., GEREN N.
JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, vol.203, pp.277-286, 2008 (Journal Indexed in SCI)
- XVIII. **Improvement of a low-cost water jet machining intensifier using reverse engineering and redesign methodology**
GEREN N., Bayramoglu M., ESME U.
JOURNAL OF ENGINEERING DESIGN, vol.18, no.1, pp.13-37, 2007 (Journal Indexed in SCI)
- XIX. **Design of a flexible assembly and remanufacturing cell for advanced SM components: selection of cell design concept based on reflow tools**
GEREN N., CAKIRCA M., Bayramoglu M.
SOLDERING & SURFACE MOUNT TECHNOLOGY, vol.18, no.1, pp.29-43, 2006 (Journal Indexed in SCI)
- XX. **Simplified design and manufacturing of high pressure components for a low-cost water jet intensifier using redesign methodology**
GEREN N., Bayramoglu M., TUNC T.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.21, no.6, pp.505-525, 2004 (Journal Indexed in SCI)
- XXI. **Determination and comparison of surface mount component rework cycle times of manual and fully automated robotic rework stations for rework technology selection**
Geren N.
IEEE TRANSACTIONS ON ELECTRONICS PACKAGING MANUFACTURING, vol.26, no.2, pp.123-132, 2003 (Journal Indexed in SCI)
- XXII. **Effects of welding parameters on the quality of resistance spot welded SAE 1010 steel sheet**
Bayramoglu M., ESME U., GEREN N.
INTERNATIONAL JOURNAL OF MATERIALS & PRODUCT TECHNOLOGY, vol.19, no.5, pp.362-373, 2003 (Journal Indexed in SCI)
- XXIII. **Cost and performance analysis of a robotic rework cell**
Geren N., REDFORD A.
INTERNATIONAL JOURNAL OF PRODUCTION ECONOMICS, vol.58, no.2, pp.159-172, 1999 (Journal Indexed in SCI)
- XXIV. **Equipment selection, integration and interfacing of a robotic PCBA component rework cell**
Geren N., Lo E.
COMPUTER INTEGRATED MANUFACTURING SYSTEMS, vol.11, pp.77-89, 1998 (Journal Indexed in SCI)
- XXV. **Software architecture of a printed circuit board assembly (PCBA) robotic rework cell**
Geren N., Chan C., Redford A.
COMPUTER INTEGRATED MANUFACTURING SYSTEMS, vol.10, no.4, pp.251-259, 1997 (Journal Indexed in SCI)
- XXVI. **The limits of automating electronic component rework**
Geren N.
JOURNAL OF ELECTRONICS MANUFACTURING, vol.7, no.3, pp.225-238, 1997 (Journal Indexed in SCI)
- XXVII. **Automated rework of printed circuit board assemblies: Methods and procedures**
Geren N., Redford A.
INTERNATIONAL JOURNAL OF COMPUTER INTEGRATED MANUFACTURING, vol.9, no.1, pp.48-60, 1996 (Journal Indexed in SCI)
- XXVIII. **NONCONTACT TEMPERATURE-MEASUREMENT IN SM COMPONENT REWORK**
GEREN N.
JOURNAL OF ELECTRONICS MANUFACTURING, vol.5, no.2, pp.129-136, 1995 (Journal Indexed in SCI)
- XXIX. **Solder paste dispensing in robotic SMD rework**
Geren N., EKERE N.

Articles Published in Other Journals

- I. **Hybrid Taguchi Based Grey Algorithm for Multi Objective Optimization of Gas Metal Arc Welded DP1000 Steel**
Karataş M., BAYRAMOĞLU M., EŞME U., GEREN N.
European Mechanical Science, vol.5, no.4, pp.206-213, 2021 (Refereed Journals of Other Institutions)
- II. **ADVANCED TECHNOLOGIES FOR FIBER REINFORCED POLYMERCOMPOSITE MANUFACTURING: A REVIEW**
UZAY Ç., GEREN N.
Kahramanmaraş Sütçü İmam Üniversitesi Mühendislik Bilimleri Dergisi, vol.23, no.4, pp.236-248, 2020 (Refereed Journals of Other Institutions)
- III. **Ticari ve Askerî Elektronik Cihazlarda Kullanılan Yüzeyle Montajlı Yeni Nesil Devre Elemanlarının Tamir Sürecindeki Etkili Faktörler**
GEREN N., Çakırca M.
Savunma Bilimleri Dergisi, vol.1, no.38, pp.211-243, 2020 (Refereed Journals of Other Institutions)
- IV. **Failure Analysis of Low-density Polymer Foam Core Sandwich Structures under Three-point Bending Loading**
UZAY Ç., GEREN N.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.813-820, 2020 (Refereed Journals of Other Institutions)
- V. **Alternatif FML Kompozitler için Titanyum ve Elyaf/Epoksi Ara Yüzey Dayanımının İncelenmesi**
BOZTEPE M. H. , BAYRAMOĞLU M., UZAY Ç., GEREN N.
Çukurova Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, vol.35, no.3, pp.813-820, 2020 (Refereed Journals of Other Institutions)
- VI. **Impact Strength of Interply and Intraply Hybrid Laminates Based on Carbon-Aramid/Epoxy Composites**
UZAY Ç., ACER D. C. , GEREN N.
European Mechanical Science, vol.3, no.1, pp.1-5, 2019 (Refereed Journals of Other Institutions)
- VII. **Design of Composite Sandwich Chassis and Application to Urban Concept Electric Vehicles**
UZAY Ç., ACER D. C. , GEREN N., AKILLI H.
International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.41-45, 2018 (Refereed Journals of Other Institutions)
- VIII. **Evaluation of Flexural Stiffness for the Lightweight Polymer Foam Core Sandwich Structures**
UZAY Ç., ACER D. C. , GEREN N., ÇETİN A.
International Journal of Mechanical and Production Engineering (IJMPE), vol.6, no.9, pp.36-40, 2018 (Refereed Journals of Other Institutions)
- IX. **Advanced Material Selection Technique For High Strength and Lightweight Spur Gear Design**
Geren N., Uzay Ç.
European Mechanical Science, vol.1, no.4, pp.133-140, 2017 (Refereed Journals of Other Institutions)
- X. **Improving the Adhesion Bonding Strength for FML Composites by Using a Extremely Thin Mesh Steels**
BOZTEPE M. H. , BAYRAMOĞLU M., UZAY Ç., GEREN N.
European Mechanical Science, vol.1, no.4, pp.111-116, 2017 (Refereed Journals of Other Institutions)
- XI. **Intelligent Use of ISO and AGMA Gear Standards for Cost Effective Spur Gear Design**
UZAY Ç., GEREN N.
Mühendislik Bilimleri ve Tasarım Dergisi, vol.5, no.3, pp.643-655, 2017 (Refereed Journals of Other Institutions)
- XII. **Sandviç Malzeme Geliştirmede Polimer Köpük Çekirdek Kalınlığının Eğilme Dayanımına Etkisinin Deneysel olarak Araştırılması**

GEREN N., UZAY Ç., BOZTEPE M. H. , BAYRAMOĞLU M.

ÇUKUROVA ÜNİVERSİTESİ MÜHENDİSLİK MİMARLIK FAKÜLTESİ DERGİSİ, vol.32, no.2, pp.13-22, 2017 (National Refreed University Journal)

XIII. Impact Energy Absorption Capacity of Fiber Reinforced Polymer Matrix (FRP) Composites

Uzay Ç., Boztepe M. H. , Geren N.

International Journal of Arts & Sciences, vol.9, no.1, pp.211-220, 2016 (Refereed Journals of Other Institutions)

XIV. A comparison of modules by using two different gear design approaches,

Uzay Ç., Geren N.

Ç.Ü. Journal of Science and Engineering, vol.32, no.4, pp.47-56, 2015 (International Refreed University Journal)

XV. Systematic design process of cartoon separating machine

Delibaş H., GEREN N.

Ç.Ü. fen ve Mühendislik Bilimleri Dergisi, vol.28, no.5, pp.170-177, 2012 (Other Refreed National Journals)

XVI. The use of Composite Materials in Automotive Industry

Önşen M., Bayramoğlu M., Geren N.

Ç.Ü. Fen ve Mühendislik Bilimleri Dergisi, vol.24, no.2, pp.165-174, 2010 (National Non-Refreed Journal)

XVII. TÜBİTAK Sanayi Araştırma Geliştirme Projeleri Destekleme programı ve İlgili yönetmelikte yapılan Değişikler

GEREN N.

ADASO gazetesi, pp.11-17, 2006 (National Non-Refreed Journal)

XVIII. Endüstriyel sistemlerde kullanılan elektronik kartların tamiri ve kart tamiri hakkında bilinmesi gerekenler

Geren N.

Metal ve Makine, no.155, pp.402-407, 2005 (National Non-Refreed Journal)

XIX. 3000 bar Çalışma Basıncılı Çift Etkili Basıncı Yükseltici Tasarımı ve İmalatı

GEREN N., BAYRAMOĞLU M., Ayseven A., SARIGEÇİLİ M. İ.

Ç. Ü. Müh. Mimarlık Fakültesi Dergisi, pp.49-53, 2003 (Other Refreed National Journals)

XX. Metal Endüstrisinde Aşındırıcılı Su Jeti Kesme Sistemlerinin Kullanımı ve Kesim Karakteristikleri

GEREN N., TUNÇ T.

Makine ve Metal Teknolojisi, no.118, pp.71-76, 2001 (Other Refreed National Journals)

XXI. Yapısal Farklılıklar İçeren Su Jeti Kesme Sistemlerinin En Uygununun Belirlenmesi

GEREN N., TUNÇ T.

Mühendis ve Makina, no.500, pp.42-49, 2001 (Other Refreed National Journals)

XXII. Basıncılı Kap Tasarım Kodları ve Çatlak Analizi

Geren N., Tunç T.

Mühendis ve Makina, vol.40, no.479, pp.15-22, 1999 (Other Refreed National Journals)

XXIII. Scara Tipi Endüstriyel Robot Hareketlerinin Bilgisayar Destekli Programlarla Kontrolü

GEREN N., ERTÜRK M.

Makina Tasarım ve İmalat Dergisi, vol.3, no.3, pp.128-133, 1997 (Other Refreed National Journals)

XXIV. Automated removal and replacement of through-hole components in robotic rework

GEREN N., Lo E.

IEEE transactions on components, packaging and manufacturing technology. Part C. Manufacturing, vol.20, no.3, pp.236-248, 1997 (Refereed Journals of Other Institutions)

XXV. Automated removal and replacement of surface mounted devices in electronic assembly

GEREN N.

IEEE transactions on components, packaging and manufacturing technology. Part C. Manufacturing, vol.20, no.3, pp.227-235, 1997 (Refereed Journals of Other Institutions)

XXVI. Sert Malzemelerde Su Jeti ile Kesme Teknolojisi

ŞAHİN B., GEREN N.

Makina ve Metal Teknolojisi Dergisi, vol.39, pp.77-79, 1995 (National Refreed University Journal)

XXVII. Su Jeti ile Kesme Teknolojisi ve Endüstriyel Uygulamaları

GEREN N., ŞAHİN B.

- Mühendis ve Makina Dergisi, vol.35, pp.424-428, 1995 (National Refreed University Journal)
- XXVIII. **The Significance of Desoldering and Resoldering Methods in Robotic Automated Rework**
GEREN N., Redford A. H.
JOURNAL OF ELECTRONICS MANUFACTURING, vol.4, no.1, pp.41-51, 1994 (Refereed Journals of Other Institutions)
- XXIX. **Computer-Integrated Automatic PCBA Rework**
Geren N., Chan C., LO E.
Integrated Manufacturing Systems, vol.3, no.4, pp.38-43, 1992 (Refereed Journals of Other Institutions)
- XXX. **Karşıt Döner Silindirli Yerfıstığı Temizleme ve Sınıflandırma Makina Tasarımı**
AKÇALI İ. D. , GEREN N.
Ç.Ü. Müh. Mim. Fak. Dergisi, vol.2, no.1, pp.145-154, 1987 (National Refreed University Journal)
- XXXI. **Karşıt Döner Silindirli Yerfıstığı Temizleme ve Sınıflandırma Makinası Tasarımı**
AKÇALI İ. D. , GEREN N.
Çukurova Üniversitesi Müh. Mim Fakültesi Dergisi, vol.2, no.1, pp.145-154, 1987 (Other Refereed National Journals)

Books & Book Chapters

- I. **Makine Mühendisliğine Giriş**
Geren N. (Editor)
Papatya Yayıncılık, İstanbul, 2017
- II. **Temel Makine Elemanları**
GEREN N.
in: Makine Mühendiliğine Giriş, Necdet Geren, Editor, Papatya Yayıncılık Eğitim A.Ş., İstanbul, pp.369-470, 2017
- III. **Makine Mühendisliği Mesleği**
GEREN N.
in: Makine Mühendisliğine Giriş, Necdet Geren, Editor, Papatya Yayıncılık Eğitim A.Ş., İstanbul, pp.1-64, 2017
- IV. **Üniversite-Sanayi İşbirliği Ulusal Kongresi -2008 Bildiriler Kitabı**
Serbest A. (Editor), Geren N. (Editor), Göktan A. G. (Editor), Kara F. (Editor), Kılıç S. E. (Editor)
Adana, Adana, 2008
- V. **Model Based Flexible PCBA Rework Cell Design**
Geren N.
in: Computer-Aided Design, Engineering and Manufacturing Systems Techniques and Applications, Cornelius Leondes, Editor, CRC, New York , Florida, pp.1-44, 2001
- VI. **Model Based Flexible PCBA Rework Cell Design, Chapter 6**
GEREN N.
in: Computer Aided Design and Manufacturing Systems Techniques and Applications Vol. V, The Design of Manufacturing Systems, Cornelius Leondes, Editor, CRC press LLC, Florida, pp.1-44, 2001

Refereed Congress / Symposium Publications in Proceedings

- I. **3D PRINTING OF LOW TEMPERATURE FUSIBLE METAL ALLOY IN FDM TYPE 3D PRINTER**
Delibaş H., Geren N.
3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018
- II. **Design and Optimization of a Wheel Hub for Lightweight Efficiency Challenge Vehicles**
ACER D. C. , UZAY Ç., GEREN N., AKILLI H.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.192-200

- III. **Bending Behavior of Sandwich Structures Having Low Density PVC Foam Cores and ± 450 Carbon/Epoxy Facings**
UZAY Ç., GEREN N., BOZTEPE M. H. , BAYRAMOĞLU M.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017, vol.1, pp.165-172
- IV. **Investigating the Success of a New Systematic Product Design Approach on Example Designs**
Geren N., Sarıgül Ç., Kavuzlu M. M.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017, vol.1, pp.2346-2356
- V. **Advanced Material Selection Technique For High Strength and Lightweight Spur Gear Design**
DELİBAŞ H., UZAY Ç., GEREN N.
IMSEC 2017, Adana, Turkey, 25 - 27 October 2017
- VI. **Bending Behavior of Sandwich Structures Having Low Density PVC Foam Cores and ± 450 Carbon/Epoxy Facings**
Uzay Ç., Geren N., Boztepe M. H. , Bayramoğlu M.
International Advanced Researches Engineering Congress-2017, Osmaniye, Turkey, 16 - 18 November 2017
- VII. **Improving the Adhesion Bonding Strength for FML Composites by Using Extremely Thin Mesh Steel**
Boztepe M. H. , Bayramoğlu M., Uzay Ç., Geren N.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017
- VIII. **Impact Strength of Interply and Intraply Hybrid Laminates Based on Carbon-Aramid/Epoxy Composites**
Uzay Ç., Acer D. C. , Geren N.
2nd International Mediterranean Science and Engineering Congress (IMSEC 2017), Adana, Turkey, 25 - 27 October 2017
- IX. **Manufacturing of Light Weigth Sandwich Structure by Using Polymer Foam Core**
UZAY Ç., GEREN N., BOZTEPE M. H. , BAYRAMOĞLU M.
Istanbul International Conference On Progres in Applied Science 2017 – ICPAS 2017, İstanbul, Turkey, 4 - 06 January 2017, vol.1, pp.1-6
- X. **MANUFACTURING OF LIGHT WEIGHT SANDWICH STRUCTURES BY USING POLYMER FOAM CORE**
UZAY Ç., GEREN N., BOZTEPE M. H. , BAYRAMOĞLU M.
ISTANBUL INTERNATIONAL CONFERENCE ON PROGRES IN APPLIED SCIENCE 2017 – ICPAS 2017, 4 - 06 January 2017
- XI. **INVESTIGATION OF THE ADHESION BONDING CAPABILITY BETWEEN DIFFERENT METALS AND FRP COMPOSITE LAYERS**
BOZTEPE M. H. , BAYRAMOĞLU M., UZAY Ç., GEREN N.
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- XII. **MANUFACTURING OF LIGHT WEIGHT SANDWICH STRUCTURES BY USINGPOLYMER FOAM CORE**
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