

Res. Asst. OĞULCAN EREN

Personal Information

Office Phone: [+90 312 202 8635](tel:+903122028635)

Email: ogulcaneren@gazi.edu.tr

Web: <https://avesis.gazi.edu.tr/ogulcaneren>

Address: Gazi Üniversitesi Teknoloji Fakültesi Dursun Önkuzu Binası 2.Kat Endüstriyel Tasarım Mühendisliği Bölümü 06500 Teknikokullar / Yenimahalle / Ankara

Biography

Oğulcan Eren was born in Ankara in 1991. He studied high school in Ali Naili Erdem Anatolian High School. He completed his undergraduate education in the Mechanical Engineering Department of Ömer Halisdemir University with a 3.29 / 4.00 GPA. He also continued for a semester of his undergraduate education at the Technical University of Liberec (Czechia). His undergraduate thesis is Electricity Harvesting from Sound Energy with Piezoelectric Sensors supported by TÜBİTAK 2209-A. He completed his master's degree at Gazi University Industrial Design Engineering Department with a 3.50 / 4.00 GPA. His master's thesis is TUBITAK 2232 supported FDM 3D Printer and Composite Part Design and Investigation of Mechanical Properties. Currently, he is continuing his doctoral studies in the field of Design for Additive Manufacturing in the same department. Oğulcan Eren is fluent in English.

Oğulcan EREN has more than 25 papers published in international journals and symposiums. He gave Computer Aided Drawing training for 3 years in Technical Education courses. He is also a Leaders in Innovation Fellowship member at the Royal Academy of Engineering (England). Raptor Technology, founded by Oğulcan Eren with the support of TÜBİTAK 1512, develops additive manufacturing technologies and software.

Education Information

Doctorate, Gazi University, Fen Bilimleri Enstitüsü, Endüstriyel Tasarım Mühendisliği (Dr), Turkey 2018 - 2020

Postgraduate, Gazi University, Fen Bilimleri Enstitüsü, Endüstriyel Tasarım Mühendisliği (YI) (Tezli), Turkey 2015 - 2017

Undergraduate, Nigde Omer Halisdemir University, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2009 - 2014

Undergraduate, Technical University of Liberec, Faculty of Mechanical Engineering, Mechanical Engineering, Czech Republic 2012 - 2013

Foreign Languages

English, C1 Advanced

Certificates, Courses and Trainings

Entrepreneurship, Leaders in Innovation Fellowship, Royal Academy of Engineering, 2018

Vocational Training, Akademik Personel için Autodesk Fusion 360 Eğitimi, Autodesk, 2016

Dissertations

Dissertations

Postgraduate, Composite Part Design with FDM 3D Printer and Investigation of Mechanical Properties, Gazi University, Fen Bilimleri Enstitüsü, Endüstriyel Tasarım Mühendisliği (YI) (Tezli), 2017

Research Areas

Non-traditional manufacturing methods, Solid Mechanics, Finite Element Methods, Composites, Polymeric Materials, Nanomaterials

Academic Titles / Tasks

Research Assistant, Gazi University, Teknoloji Fakültesi, Endüstriyel Tasarım Mühendisliği Bölümü, 2017 - Continues

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

- I. **FDM 3D printing of MWCNT re-inforced ABS nano-composite parts with enhanced mechanical and electrical properties**
SEZER H. K. , EREN O.
JOURNAL OF MANUFACTURING PROCESSES, vol.37, pp.339-347, 2019 (Journal Indexed in SCI)
- II. **Additive manufacturing of carbon fiber reinforced plastic composites by fused deposition modelling: effect of fiber content and process parameters on mechanical properties**
SEZER H. K. , EREN O., BÖRKLÜ H. R. , ÖZDEMİR V.
JOURNAL OF THE FACULTY OF ENGINEERING AND ARCHITECTURE OF GAZI UNIVERSITY, vol.34, no.2, pp.664-674, 2019 (Journal Indexed in SCI)

Articles Published in Other Journals

- I. **Tersine Mühendislik Tasarımı: Endüstriyel Tasarım Mühendisliği Lisans Öğrencileri İçin Teknik Seçmeli Ders**
EREN O., SEZER H. K. , BÖRKLÜ H. R.
International Journal of 3D Printing Technologies and Digital Industry, vol.2, no.3, pp.1-11, 2018 (Refereed Journals of Other Institutions)
- II. **Implementing 3D Printed Structures as the Newest Textile Form**
GÜRCÜM B. H. , BÖRKLÜ H. R. , SEZER H. K. , EREN O.
Journal of Fashion Technology Textile Engineering, vol.0, no.4, pp.1-7, 2018 (Refereed Journals of Other Institutions)
- III. **Hasarlı Dişlilerin Tersine Mühendislik Yaklaşımıyla Yeniden Oluşturulması**
ŞAHİN İ., şahin t., gökçe H., EREN O.
Düzce Üniversitesi Bilim ve Teknolojisi Dergisi, vol.5, no.2, pp.485-495, 2017 (Other Refereed National Journals)

Refereed Congress / Symposium Publications in Proceedings

- I. **Lazer Eklentili Ergiyik Biriktirme (FDM) Yöntemiyle Kompozit Parça Üretimi**
EREN O., SEZER H. K.
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.367-375
- II. **3 Boyutlu Yazıcıların Medikal Uygulamaları ve Ayak Bileği Ortez Üretimi**
TURGAY T., EREN O., SEZER H. K.

Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.376-391

- III. **Tekstil Sektörüne Eklemeli İmalat Yaklaşımı: 3B Yazıcılar İle Deneysel Çalışma**
AVCI G., EREN O., SEZER H. K.
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.1, pp.411-419
- IV. **Üretken Tasarım ve Topoloji Optimizasyonu Yaklaşımlarıyla Ürün Tasarımı**
EREN O., SEZER H. K.
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.2, pp.251-262
- V. **FDM Yazıcı ile Küresel Vana Prototip Çalışması**
ARINCI B. B. , EREN O., SEZER H. K.
Uluslararası Bilim, Teknoloji Ve Sosyal Bilimlerde Güncel Gelişmeler Sempozyumu, Ankara, Turkey, 20 - 22 December 2019, vol.2, pp.263-272
- VI. **State of The Art in Laser Drilling of Aerospace Materials**
SEZER H. K. , EREN O.
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.767-773
- VII. **Additive Manufacturing of Sensors**
EREN O., SEZER H. K.
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.746-757
- VIII. **Generative Herringbone Gear Design for Additive Manufacturing**
EREN O., SEZER H. K.
II International Turkish Word Engineering and Science Congress, Antalya, Turkey, 7 - 10 November 2019, vol.3, pp.758-766
- IX. **Bisiklet arka şok emici braketinin optimizasyonu ve eklemeli imalat için tasarımı**
BOZBUĞA F., EREN O., BÖRKLÜ H. R.
1st Int. Semp. on Automotive Science and Technology, Ankara, Turkey, 5 - 06 September 2019, vol.1, pp.401-409
- X. **TRIZ Yaklaşımı ile 3D Yazıcı Ekstruderı Tasarımı**
EREN O., BAŞAK H., SEZER H. K.
İSIDE-2018, Antalya, Turkey, 22 - 24 November 2018, pp.634-641
- XI. **Kompozitlerin Eklemeli İmalatı: Üretim Metodolojisi, Baskı Teknikleri ve Kullanılabilir Malzemeler**
EREN O., SEZER H. K.
3'xxrd International Symposium on Industrial Design Engineering (ISIDE 2018), 22 - 25 November 2018
- XII. **Kompozitlerin Eklemeli İmalatı: Uygulama Alanları**
EREN O., SEZER H. K.
3'xxrd International Symposium on Industrial Design Engineering (ISIDE 2018), 22 - 24 November 2018
- XIII. **3d Printing Of Multifunctional Nanocomposites With Enhanced Electrical Properties**
EREN O., SEZER H. K.
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018
- XIV. **Reverse Engineering Design: Industrial Design Engineering Technical Elective Course For Undergraduate Students**
EREN O., SEZER H. K. , BÖRKLÜ H. R.
3rd International Congress on 3D Printing Technologies and Digital Industry 2018, Antalya, Turkey, 19 - 21 April 2018
- XV. **Implementing 3D printed structures as the newest textile form**
GÜRCÜM B. H. , BÖRKLÜ H. R. , SEZER H. K. , EREN O.
International Conference on Intelligent Textiles and Mass Customisation ITMC2017, Ghent, Belgium, 15 - 18 October 2017

- XVI. **3D Printing of Graphene Composites**
SEZER H. K. , EREN O., BÖRKLÜ H. R.
2nd International Symposium on Industrial Design Engineering (ISIDE 17), 13 - 15 September 2017
- XVII. **Enhanced Mechanical and Electrical Properties of 3D Printed MWCNT Re-inforced ABS Nano-Composite Parts**
SEZER H. K. , EREN O.
39th International MATADOR Conference on Advanced Manufacturing, Manchester, England, 5 - 07 July 2017
- XVIII. **Additive Manufacturing Of Carbon Fiber Reinforced Plastic Composites By Fused Deposition Modelling: Effect Of Process Parameters On Tensile Properties**
SEZER H. K. , EREN O., BÖRKLÜ H. R.
2nd International Symposium on 3D Printing Technologies (3D-PTS2017), 3 - 04 April 2017
- XIX. **Ergiyik Biriktirme Yöntemi İle Karbon Fiber Takviyeli Kompozitlerin Eklemeli İmalatı: İşlem Parametrelerinin Çekme Özelliklerine Etkisi**
SEZER H. K. , EREN O., BÖRKLÜ H. R.
2nd Inter. Sym. on 3D Printing, İstanbul, Turkey, 3 - 04 April 2017
- XX. **Karbon Fiber Takviyeli ABS Filament Üretimi ve Mekanik Özelliklerinin Araştırılması**
SEZER H. K. , EREN O., BÖRKLÜ H. R.
International Symposium On 3D Printing Technologies, İstanbul, Turkey, 5 - 08 May 2016, pp.138-148

Supported Projects

Eren O., Sezer H. K. , Erasmus Project, Curriculum development and delivery on 3D FDM Printer Design and Build for Final Year UG Engineering Degree Programme, 2018 - 2021

Eren O., TUBITAK Project, Integrated Desktop Extruder Producing 3D Printer Filament from Plastic Wastes, 2017 - 2019

Citations

Total Citations (WOS):53

h-index (WOS):2