

Dr.Öğr.Üyesi EVREN YASA

Kişisel Bilgiler

E-posta: eyasa@ogu.edu.tr

Web: <https://avesis.ogu.edu.tr/eyasa>

Eğitim Bilgileri

Doktora, Katholieke Universiteit Leuven, Makine Müh., Belçika 2006 - 2011

Yüksek Lisans, University Of British Columbia {British Columbia}, Uygulamalı Bilim, Kanada 2002 - 2004

Lisans, İstanbul Teknik Üniversitesi, Makine Fakültesi, Makine Mühendisliği Bölümü, Türkiye 1998 - 2002

Yaptığı Tezler

Doktora, Manufacturing combining Selective Laser Melting (SLM) and Selective Laser Erosion (SLE) / Laser Re-melting, Katholieke Universiteit Leuven, Makine Müh., 2011

Yüksek Lisans, Mathematical modeling, measurement and correction of volumetric errors in three-axis machine tools, University Of British Columbia {British Columbia}, Uygulamalı Bilim, 2004

Araştırma Alanları

Mühendislik ve Teknoloji

Akademik Unvanlar / Görevler

Dr.Öğr.Üyesi, Eskişehir Osmangazi Üniversitesi, Mühendislik-Mimarlık Fakültesi, 2017 - Devam Ediyor

Akademik İdari Deneyim

Eskişehir Osmangazi Üniversitesi, Merkezi Araştırma Laboratuvarı Uygulama Ve Araştırma Merkezi, 2017 - Devam Ediyor

Verdiği Dersler

Technical English, Lisans, 2017 - 2018

Fundamentals of Computer Programming, Lisans, 2017 - 2018

Differential Equations, Lisans, 2017 - 2018

İleri İmalat Teknolojileri, Lisans, 2017 - 2018

SCI, SSCI ve AHCI İndekslerine Giren Dergilerde Yayınlanan Makaleler

1. Microstructure and mechanical properties of hybrid additive manufactured dissimilar 17-4 PH and

316L stainless steels

Ozsoy A., Tureyen E. B. , Baskan M., YASA E.

Materials Today Communications, cilt.28, 2021 (SCI Expanded İndekslerine Giren Dergi)

- II. **Pulsed-mode Selective Laser Melting of 17-4 PH stainless steel: Effect of laser parameters on density and mechanical properties**
Ozsoy A., YASA E., Keles M., Tureyen E. B.
Journal of Manufacturing Processes, cilt.68, ss.910-922, 2021 (SCI Expanded İndekslerine Giren Dergi)
- III. **Investigation of residual stresses by micro indentation in selective laser melting Lazerle metal toz ergitme prosesinde kalinti gerilmelerin mikro girinti tekniği ile incelenmesi**
YASA E., Poyraz Ö.
Journal of the Faculty of Engineering and Architecture of Gazi University, cilt.36, sa.2, ss.1029-1039, 2021 (SCI Expanded İndekslerine Giren Dergi)
- IV. **Dimensional Accuracy and Mechanical Properties of Chopped Carbon Reinforced Polymers Produced by Material Extrusion Additive Manufacturing**
Yasa E., Ersoy K.
MATERIALS, cilt.12, sa.23, 2019 (SCI İndekslerine Giren Dergi)
- V. **Thermal and molten pool model in selective laser melting process of Inconel 625**
Kundakcioglu E., Lazoglu I., Poyraz O., YASA E., Cizicioglu N.
INTERNATIONAL JOURNAL OF ADVANCED MANUFACTURING TECHNOLOGY, cilt.95, ss.3977-3984, 2018 (SCI İndekslerine Giren Dergi)
- VI. **Assessing and comparing influencing factors of residual stresses in selective laser melting using a novel analysis method**
Kruth J., Deckers J., Yasa E., Wauthle R.
PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS PART B-JOURNAL OF ENGINEERING MANUFACTURE, cilt.226, ss.980-991, 2012 (SCI İndekslerine Giren Dergi)
- VII. **Determination of geometrical factors in Layerwise Laser Melting using optical process monitoring**
Craeghs T., Clijsters S., Yasa E., Bechmann F., Berumen S., Kruth J.
OPTICS AND LASERS IN ENGINEERING, cilt.49, sa.12, ss.1440-1446, 2011 (SCI İndekslerine Giren Dergi)
- VIII. **The investigation of the influence of laser re-melting on density, surface quality and microstructure of selective laser melting parts**
Yasa E., Deckers J., Kruth J.
RAPID PROTOTYPING JOURNAL, cilt.17, sa.5, ss.312-327, 2011 (SCI İndekslerine Giren Dergi)
- IX. **Manufacturing by combining Selective Laser Melting and Selective Laser Erosion/laser re-melting**
Yasa E., Kruth J. -, Deckers J.
CIRP ANNALS-MANUFACTURING TECHNOLOGY, cilt.60, sa.1, ss.263-266, 2011 (SCI İndekslerine Giren Dergi)

Diğer Dergilerde Yayınlanan Makaleler

- I. **Additive Manufacturing in Land Vehicle Industry**
Ersoy K., KOÇ B., YASA E.
American Journal of Biomedical Science and Research, 2019 (Diğer Kurumların Hakemli Dergileri)
- II. **Anisotropic impact toughness of chopped carbon fiber reinforced nylon fabricated by material extrusion-based additive manufacturing**
YASA E.
Eskişehir Technical University Journal of Science and Technology A- Applied Sciences And Engineering, cilt.20, sa.2, ss.195-203, 2019 (Diğer Kurumların Hakemli Dergileri)
- III. **A Study on the Stair Stepping Effect in Direct Metal Laser Sintering of a Nickel-based Superalloy**
YASA E., Poyraz Ö., Uğur Solakoğlu E., Akbulut G., Ören S.
Procedia CIRP, cilt.45, ss.175-178, 2016 (Diğer Kurumların Hakemli Dergileri)
- IV. **Overview of cryogenic cooling in machining of Ti alloys and a case study**

YASA E., Pilatin S., ÇOLAK O.

Journal of Production Engineering, cilt.15, sa.2, ss.1-9, 2012 (Diğer Kurumların Hakemli Dergileri)

- V. **Microstructure and mechanical properties of selective laser melted 18Ni-300 steel**
KEMPEN K., YASA E., THIJS L., KRUTH J. P. , VAN HUMBEECK J.
Physics Procedia, cilt.12, sa.1, ss.255-263, 2011 (Diğer Kurumların Hakemli Dergileri)
- VI. **Microstructural investigation of Selective Laser Melting 316L stainless steel parts exposed to laser re-melting**
YASA E., Kruth J. P.
Procedia Engineering (CIRP Conference on Surface Integrity (CSI), cilt.19, ss.389-395, 2011 (Diğer Kurumların Hakemli Dergileri)
- VII. **Investigation of laser and process parameters for Selective Laser Erosion**
YASA E., Kruth J.
Precision Engineering-Journal Of The International Societies For Precision Engineering And Nanotechnology, cilt.34, sa.1, ss.101-112, 2010 (Diğer Kurumların Hakemli Dergileri)
- VIII. **Charpy impact testing of metallic Selective Laser Melting parts**
YASA E., Deckers J., Kruth J. P. , Rombouts M., Luyten J.
Virtual and Physical Prototyping, cilt.5, sa.2, ss.89-98, 2010 (Diğer Kurumların Hakemli Dergileri)

Kitap & Kitap Bölümleri

- I. **Tasarım ve İmalat**
Yasa E. (Editör)
Intech Open, London, 2020
- II. **Powder Bed Fusion Additive Manufacturing of Ni-Based Superalloys: Applications, Characteristics, and Limitations**
YASA E., POYRAZ Ö.
Additive Manufacturing Applications for Metals and Composites, K.R. Balasubramanian, V. Senthilkumar, Editör, IGI Global, Pennsylvania, ss.249-270, 2020
- III. **Additive Manufacturing of Polymer Matrix Composites**
Yasa E.
Uçak Teknolojisi (Aircraft Technology), Melih Kushan, Editör, Intech Open, London, ss.147-169, 2018
- IV. **The investigation of the influence of laser re-melting on density, surface quality and microstructure of SLM parts**
YASA E., Deckers J., Kruth J. P.
Emerald Gems: A Focus on SLM and SLS Methods in 3D Printing, , Editör, EMERALD GROUP, ss.23-50, 2015
- V. **Selective Laser Sintering/Melting and Selective Laser Erosion with Nd:YAG Lasers**
YASA E., CRAEGHS T., KRUTH J. P.
Advances in Laser and Optics Research Vol.7, Arkin W., Editör, NOVA PUBLISHERS, Hauppauge NY, ss.1-64, 2012

Hakemli Kongre / Sempozyum Bildiri Kitaplarında Yer Alan Yayınlar

- I. **On the Use of Inherent Strain Method for Modelling Electron Beam Melting**
TAN E., YASA E., GÜMÜŞ B., SÖYLEMEZ E., AKTAŞ K.
EBAM 2020, 5 - 07 Ekim 2020
- II. **Katmanlı İmalat Teknolojilerinin Truva Atı**
YASA E.
Kaynak Teknolojisi XI. Ulusal Kongre ve Sergisi, Ankara, Türkiye, 15 - 16 Kasım 2019
- III. **Selective Laser Melting Process Development for enhanced productivity with Ph 17-4 stainless steel**
YASA E., Atik İ., Bayraktar İ.

- AMCTURKEY Additive Manufacturing Conference, İstanbul, Türkiye, 17 - 18 Ekim 2019
- IV. **On the optimization of metal spatter sweeping in Selective Laser Melting**
Gürkan A. Y. , Bursa M., YASA E., Öğüt E.
AMCTURKEY Additive Manufacturing Conference, İstanbul, Türkiye, 17 - 18 Ekim 2019
- V. **On the effect of unfixed process variables on mechanical properties in Selective Laser Melting**
YASA E., Ersoy K., KOÇ B.
AMCTURKEY Additive Manufacturing Conference, İstanbul, Türkiye, 17 - 18 Ekim 2019
- VI. **Characterization and Compression Testing of Double Gyroid Lattice Structures produced by Direct Metal Laser Sintering**
Kavas B., YASA E., SÖNMEZ M. Ş.
AMCTURKEY Additive Manufacturing Conference, İstanbul, Türkiye, 17 - 18 Ekim 2019
- VII. **Compressive Strength Testing and Characterization of Double Gyroid Lattice Structure Produced by Direct Metal Laser Melting**
KAVAS B., YASA E., SÖNMEZ M. Ş.
4th WORKSHOP ON METAL ADDITIVE MANUFACTURING, 27 - 28 Mayıs 2019
- VIII. **A Review on the Additive Manufacturing of Fiber Reinforced Polymer Matrix Composites**
YASA E., Ersoy K.
29th Annual International Solid Freeform Fabrication Symposium - An Additive Manufacturing Conference, 13 - 15 Ağustos 2018
- IX. **Understanding Adopting Selective Laser Melting of Metallic Materials**
YASA E.
29th Annual International Solid Freeform Fabrication Symposium - An Additive Manufacturing Conference, 13 - 15 Ağustos 2018
- X. **Investigation of Support Structures for Direct Metal Laser Sintering (DMLS) of IN625 Parts,**
Poyraz Ö., YASA E., Akbulut G., Orhangül A., Pilatin S.
Proc. of Solid Freeform Fabrication (SFF) Symposium, Austin, Amerika Birleşik Devletleri, 10 - 12 Ağustos 2015
- XI. **A Technological And Business Perspective Of Additive Manufacturing For Defense Industry**
Ersoy K., KOÇ B., YASA E.
18th INTERNATIONAL CONFERENCE ON MACHINE DESIGN AND PRODUCTION, 3 - 06 Temmuz 2018
- XII. **A CASE STUDY IN ADDITIVE MANUFACTURING OF LARGE METALLIC PARTS**
YASA E., KOÇ B., ERSOY K.
Research and Development in Business and Education, in Prague November 14-16, 2017, Prague, Çek Cumhuriyeti, 14 - 16 Kasım 2017
- XIII. **The enhancement of micromachining ability of Selective Laser Melting by Selective Laser Erosion,**
Kruth J. P. , YASA E., Vanparys M., Van Vaerenbergh J.
International Conference Polymers and Moulds Innovations, GENT, Belçika, 19 Nisan 2007 - 20 Nisan 2017
- XIV. **Process limits of direct metal lasersintering (DMLS) in terms of minimum hole and boss diameters with varying aspect ratios**
Solakoğlu Uğur E., Yılmaz R., Ören S., Akbulut G., Poyraz Ö., YASA E.
UMTIK (17th International Conference on Machine Design and Production) Conference, Bursa, Türkiye, 12 - 15 Temmuz 2016
- XV. **Repair and Manufacturing of High Performance Tools by Additive Manufacturing**
YASA E., Poyraz Ö., Cızıoğlu N., Pilatin S.
8th International Conf. and Exhibition On Design and Production of Machines and Dies/Molds, Aydın, Türkiye, 18 - 21 Haziran 2015
- XVI. **On Additive Manufacturing for Aviation/Space Applications**
YASA E.
SASAD İleri Malzemeler ve Süreçler Çalıştayı, Türkiye, 2 - 03 Aralık 2014
- XVII. **Benchmarking of different powder-bed metal fusion processes for machine selection in additive manufacturing**
YASA E., Demir F., Akbulut G., Cızıoğlu N., Pilatin S.

- Proc. of Solid Freeform Fabrication (SFF) Symposium, Austin, Amerika Birleşik Devletleri, 4 - 06 Ağustos 2014
- XVIII. **Investigation of free-form surface reconstruction techniques for reverse engineering of worn-out gas turbine blades: a case study**
Poyraz Ö., Uğur Solakoğlu E., Demir F., YASA E., Pilatin S.
The 16th International Conference on Machine Design and Production, İzmir, Türkiye, 30 Haziran - 03 Temmuz 2014
- XIX. **On Additive Manufacturing**
YASA E.
7th International Powder Metallurgy Conference and Exhibition, Ankara, Türkiye, 24 - 28 Haziran 2014
- XX. **Havacılık malzemelerinin atalet kaynağı yöntemi ile birleştirilmesi**
Cızıoğlu N., YASA E., Akbulut G., Pilatin S.
IV. Ulusal Talaşlı İmalat Sempozyumu, Türkiye, 7 - 09 Kasım 2013
- XXI. **Havacılık sektöründe optik ölçüm yöntemlerinin yeri ve karşılaştırmalı değerlendirilmesi üzerine bir çalışma**
YASA E., Ören S., Ezgi U., Poyraz Ö., Akbulut G.
VIII Ulusal Ölçüm Bilim Kongresi ve Sergisi, Kocaeli, Türkiye, 26 - 28 Eylül 2013
- XXII. **Parameter study for Selective Laser Erosion**
Kruth J. P., YASA E., Van Vaerenbergh J.
4th International Conference and Exhibition on design and production of machines and dies/molds, İzmir, Türkiye, 21 Haziran 2007 - 23 Haziran 2013
- XXIII. **Assessment of machinability performance in 5-axis milling of Inconel 718 alloy with different carbide grades**
YASA E., Orhangül A., Songüler C., Pilatin S., Baytok E.
7th International Conference and Exhibition on Design and Production of Machines and Dies/Molds, Antalya, Türkiye, 20 - 23 Haziran 2013
- XXIV. **A Review on the Improvements in Machinability of Ti-6Al-4V**
YASA E., Alpağan U., Pilatin S., ÇOLAK O.
10th Global Conference on Sustainable Manufacturing, İstanbul, Türkiye, 31 Ekim - 02 Kasım 2012
- XXV. **Overview of cryogenic cooling in machining of Ti alloys and a case study**
YASA E., Pilatin S., ÇOLAK O.
3rd Int. Conf. on Sustainable Life in Manufacturing, 2 - 05 Ekim 2012
- XXVI. **Improving productivity rate in SLM of commercial steel powders**
Badrossamay M., YASA E., Van Vaerenbergh J.
RAPID 2009 Conference Exposition, Schaumburg, Amerika Birleşik Devletleri, 12 - 14 Mayıs 2009
- XXVII. **Roughness improvement in Selective Laser Melting**
Kruth J. P., YASA E., Deckers J.
Proc. of PMI 2008, 1 - 02 Eylül 2008
- XXVIII. **Consolidation of polymer powders by selective lasersintering**
Kruth J. P., Levy G., Schindel R., Craeghs T., YASA E.
Proc. of PMI 2008, Gent, Belçika, 1 - 02 Eylül 2008
- XXIX. **Experimental investigation of laser surface re-melting for the improvement of Selective Laser Melting process**
Kruth J. P., YASA E., Deckers J.
Proc. of Solid Freeform Fabrication (SFF) Symposium, Austin, Amerika Birleşik Devletleri, 4 - 06 Ağustos 2008
- XXX. **Experimental analysis of process and laser parameters in laser marking**
Kruth J. P., YASA E.
Proc. of ASME ESDA 2008, Haifa, İsrail, 7 - 09 Temmuz 2008
- XXXI. **Experimental study of the combined process of Selective Laser Melting and Selective Laser Erosion**
YASA E., Kruth J. P.
Proc. of RAPID2008, Florida, Amerika Birleşik Devletleri, 20 - 22 Mayıs 2008

Atıflar

Toplam Atıf Sayısı (WOS):511

h-indeksi (WOS):5