

RESUME

Name Surname : Oğuzhan YILMAZ
Title : Prof Dr.

EDUCATION

Doctorate 2002 2006	The University of Nottingham Aerospace Manufacturing Engineering
Master Degree 1997 1999	Gaziantep University INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING (M) (THESES)
Bachelor 1992 1997	Gaziantep University INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING (ENGLISH)

TASKS

PROFESSOR 2017	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING
ASSOCIATE PROFESSOR 2015-2017	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING
ASSOCIATE PROFESSOR 2012-2015	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING/ CONSTRUCTION AND MANUFACTURING
ASISTANT PROFESSOR 2008-2011	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING/ CONSTRUCTION AND MANUFACTURING
RESEARCHER 2002-2006	The University of Nottingham/School of Mechanical, Materials and Manufacturing Engineering/Manufacturing Engineering/Manufacturing)
RESEARCHER 1997-2002	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING/ CONSTRUCTION AND MANUFACTURING

THESES

SUPERVISED

Master Degree

2019

1. KA MUSTAFA, (2019). GEÇİMLİ GÖZENEKLİ YAPILAR ÇİN SEÇİMLİ LAZERLE ERGİTME YÖNTEMİNE YÖNELİK GEOMETRİK TASARIMI, ÜRETİM VE KARAKTERİZASYONU, Gazi University->Institute of Science->Mechanical Engineering Department

2017

2. ABBASI TOHID, (2017). Uzay ve havacılık alanlarında elektriksel erozyonla delinmesi ile ilgili yüzey bütünlüğünün incelenmesi, Gazi University->Institute of Science->Mechanical Engineering Department
3. KAÇAR S NEM, (2017). Titre ile gerilme giderme yönteminin kaynaklı birleşimlerin yorulma ömrüne etkisinin araştırılması, Gazi University->Institute of Science->Mechanical Engineering Department

2016

4. KESKİN ÖMER ÖZDEN, (2016). Investigation of cylindrical part manufacturing by shaped metal deposition, Gaziantep University->Institute of Science->Construction and Manufacturing

2015

5. AVERMEKE, (2015). Designing of an adaptive fixture for thin-walled free-form surfaced parts, Gaziantep University->Institute of Science->Mechanical Engineering Department

2013

6. AL-HELLAL SHAKER MOUSA, (2013). Microstructural analysis of pulse gas tungsten arc welding (GTAW) in Ti-6Al-4V alloy, Gaziantep University->Institute of Science->Diğer

2011

7. OKKA MUHAMMED AL, (2011). An experimental investigation of electrical discharge machining (EDM) fast hole drilling of Inconel 718 and Ti6Al4V, Gaziantep University->Institute of Science->Mechanical Engineering Department

Doktora

2018

8. DEMİRTAŞ HASAN, (2018). Cathode design for complex shapes in electrochemical machining, Gaziantep University->Institute of Science->Mechanical Engineering Department

2016

9. AL-OMAR ADNAN ABDULHUSSIN UGLA, (2016). Experimental investigation of shaped metal deposition process by pulsed tungsten wire technique, Gaziantep University->Institute of Science->Construction and Manufacturing

Positions Performed in Projects:

1. Uzay ve Havacılık Uygulamalarında Kullanılan Nikel ve Titanyum Alaşım Malzemelerde Elektriksel Erozyon ile İme Yöntemi ile Hızlı Delik Delme, TÜBİTAK PROJEKTİ, Researcher: BOZDANA AL TOLGA, Manager: YILMAZ ÖZÜZHAN, , 01/06/2008 - 01/06/2010 (National)
SEÇİMLİ LAZER ERGİTME YÖNTEMİ İLE ÜRETİLEN TRABEKÜLER KEMİK GÖZENEKLİ YAPILARIN STATİK VE DİNAMİK ÖZELLİKLERİNİN ARAŞTIRILMASI, Supported by Higher Education Institutions scientific research project, Researcher: YILMAZ ÖZÜZHAN, Researcher: BALCI ARF, Manager: USTA YUSUF, , 07/05/2018 (Ongoing) (National)
2. Mikro ve Makro Boyutlarda İme Kabiliyeti Olan Elektro Kimyasal İme Tezgah Tasarım ve İme Parametrelerinin İncelenmesi, Supported by Higher Education Institutions scientific research project, Manager, , 10/10/2014 - 09/05/2015 (National)
Katmanlı Üretim için İkilli Metal Yma Tezgah Tasarım ve Malat, Yükseköğretim Kurumları
3. tarafından destekli bilimsel araştırma PROJESİ, Manager, , 27/11/2014 - 26/02/2015 (National)
SEÇİMLİ LAZER ERGİTME YÖNTEMİ İLE ÜRETİLEN TRABEKÜLER KEMİK GÖZENEKLİ YAPILARIN STATİK VE DİNAMİK ÖZELLİKLERİNİN ARAŞTIRILMASI, Supported by Higher Education Institutions scientific research project, Manager; YUSUF USTA, Researcher; ARF BALCI, Researcher; ÖZÜZHAN YILMAZ, , 07/05/2018 - 07/01/2020 (National)
4. Seçici Lazer Ergitme Yöntemiyle Inconel 718 Alaşımından Üretilen Parçaların Yüzey Bütünlüğü Karakteristiklerinin İncelenmesi ve İyileştirilmesi, TÜBİTAK PROJEKTİ, Manager: KAYNAK YUSUF, Researcher: YILMAZ ÖZÜZHAN, , 15/12/2018 (Ongoing) (National)
Yüksek Kapasiteli Mobil Gemi Boaltma Platformu Tasarım ve Geliştirilmesi, TÜBİTAK PROJEKTİ, ,

7. Havacılık ve enerji Sektörlerinde Lazer Yama Süreci ile Pale Tamir Yönteminin Geliştirilmesi Project Danışman, 31/07/2014 - 14/07/2016 (National) Number 3120541 , TÜB TAK PROJECT , Danışman (Manager Tüzel Kişisi) , , 10/10/2012 - 15/04/2015 (National)
8. Eklemeli malat Yöntemi ile Değişken Gözenekli Metal Yapıların Geometrik Tasarım , malat Ve Mekanik Özelliklerinin Teorik Ve Deneysel Araştırılması , -Tübitak 1001, Araştırmacı :YILMAZ O UZHAN,Researcher:SALAMC ELMAS,Researcher :O UZ ERB L,Bursiyer:TÜZEMEN MEHMET ÇARI,Manager:ÜNAL RAHM , , 15/11/2017 (Ongoing) (National)
9. Darbeli Gaz Tungsten Kaynağının Ti 6Al 4V alaımında Mikroyapıya olan Etkilerinin Analizi, Supported by Higher Education Institutions scientific research project, Manager, , 23/04/2012 - 27/11/2014 (National)
10. Uzay ve havacılık uygulamalarında kullanılan nikel ve titanyum alaımlı malzemelerde elektriksel erozyon yöntemi ile hızlı delik delme, TÜB TAK PROJECT , Project Coordinatorü , , 15/06/2008 - 15/06/2010 (National)
11. Jet motoruna ait NGV tipi türbin kanatlarının imalatında tezgâha bala lama sayısının en aza indirgeyecek balama düzeneğinin geliştirilmesi, RESEARCH PROJECT , Researcher, , 15/01/2006 - 21/01/2007 (National)
12. Minyatür Mikro frezeleme tezgâh için 4 eksenli CNC kodlemcisinin geliştirilmesi, ARA TIRMA PROJECT , Researcher, , 15/02/2006 - 15/01/2007 (National)
13. Türbin kanad tamiri Turbine Blade Repair , RESEARCH PROJECT , Researcher, , 10/10/2002 - 10/05/2005 (National)
- 14.

Administrative Duties

Deputy head of department 2016-2018	GAZI UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING
Institute Assistant Director 2013-2015	GAZIANTEP UNIVERSITY/INSTITUTE OF SCIENCE / MECHANICAL ENGINEERING

Publications

Articles published in other international refereed journals

1. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2018). Controlling short circuiting, oxide layer and cavitation problems in electrochemical machining of freeform surfaces. JOURNAL OF MATERIALS PROCESSING TECHNOLOGY, 262, 585-596., Doi: 10.1016/j.jmatprotec.2018.07.029 (Publication Number:4323524)
2. YILMAZ O UZHAN,Ugla Adnan A (2017). Deposition-Path Generation of SS308 Components Manufactured by TIG Welding-Based Shaped Metal Deposition Process. Arabian Journal for Science and Engineering, 42(11), 4701-4711., Doi: 10.1007/s13369-017-2582-3 (Publication Number:3955579)
3. YILMAZ O UZHAN,Ugla Adnan A (2017). Development of a cold wire-feed additive layer manufacturing system using shaped metal deposition method. Journal of Mechanical Science and Technology, 31(4), 1611-1620., Doi: 10.1007/s12206-017-0308-9 (Publication Number:3955653)
4. YILMAZ O UZHAN,Ugla Adnan A (2017). Microstructure characterization of SS308LSi components manufactured by GTAW based additive manufacturing shaped metal deposition using pulsed current arc. The International Journal of Advanced Manufacturing Technology, 89(1-4), 13-25., Doi: 10.1007/s00170-016-9053-y (Publication Number:3111371)
5. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2017). A simplified mathematical model development for the design of free-form cathode surface in electrochemical machining. Machining Science and Technology, 21(1), 157-173., Doi: 10.1080/10910344.2016.1275192 (Publication Number:3922444)
6. YILMAZ O UZHAN,BOZDANA AL TOLGA,Muhammet Ali Okka (2014). An intelligent and automated system for electrical discharge drilling of aerospace alloys Inconel 718 and Ti 6Al 4V. The International Journal of Advanced Manufacturing Technology, 74(9-12), 1323-1336., Doi: 10.1007/s00170-014-6059-1 (Publication Number:2201362)
7. YILMAZ O UZHAN (2010). Effect of single and multi channel electrodes application on EDM fast hole drilling performance. The International Journal of Advanced Manufacturing Technology, 51(1-4), 185-194., Doi: 10.1007/s00170-010-2625-3 (Publication Number:2164703)
8. YILMAZ O UZHAN,Nabil Gindy,Jian Gao (2010). A repair and overhaul methodology for aeroengine components. Robotics and Computer-Integrated Manufacturing, 26(2), 190-201., Doi: 10.1016/j.rcim.2009.07.001 (Publication Number:2147010)
9. Jian Gao,Xin Chen,YILMAZ O UZHAN,Nabil Gindy (2008). An integrated adaptive repair solution for complex aerospace components through geometry reconstruction. The International Journal of Advanced Manufacturing Technology, 36(11-12), 1170-1179., Doi: 10.1007/s00170-006-0923-6

Articles published in other international refereed journals

(Publication Number:2196671)

10. Jian Gao,Xin Chen,Detao Zheng,YILMAZ O UZHAN,Nabil Gindy (2006). Adaptive restoration of complex geometry parts through reverse engineering application. *Advances in Engineering Software*, 37(9), 592-600., Doi: 10.1016/j.advengsoft.2006.01.007 (Publication Number:2200043)
11. YILMAZ O UZHAN,EYERC O LU ÖMER,Nabil NZ Gindy (2006). A user friendly fuzzy based system for the selection of electro discharge machining process parameters. *Journal of Materials Processing Technology*, 172(3), 363-371., Doi: 10.1016/j.jmatprotec.2005.09.023 (Publication Number:2194954)
12. YILMAZ O UZHAN,Dominic Noble,Nabil Gindy,Jian Gao (2005). A study of turbomachinery components machining and repairing methodologies. *Aircraft Engineering and Aerospace Technology*, 77(6), 455-466., Doi: 10.1108/00022660510628444 (Publication Number:2200888)
13. Jian Gao,Janet Folkes,YILMAZ O UZHAN,Nabil Gindy (2005). Investigation of a 3D non contact measurement based blade repair integration system. *Aircraft Engineering and Aerospace Technology*, 77(1), 34-41., Doi: 10.1108/00022660510576028 (Publication Number:2200565)

B. Papers Presented in International Scientific Meetings and Published in the Proceedings

1. ÖNAL MEHMET BURAK,YILMAZ NEC P FAZIL,YILMAZ O UZHAN (2018). A SIMULATION OF TEMPERATURE DISTRIBUTION BY SELECTIVE LASER MELTING PROCESS IN ADDITIVE MANUFACTURING. INTERNATIONAL CONFERENCE ON WELDING TECHNOLOGIES AND EXHIBITION, 667-676. (Full Paper/Oral Presentation)(Publication Number:4743805)
2. KITAY ÖZHAN,TA CIO LU EMRE,KA MUSTAFA,NESL AFAK,KAYNAK YUSUF,YILMAZ O UZHAN (2018). Seçici Lazerle Ergitme Yöntemi ile Üretilen Inconel 625 Ala ml Parçada Yüzey Bütünlü ünün ncelenmesi. 18th International Conference on Machine Design and Production (UMTIK 2018) (Full Paper/Oral Presentation)(Publication Number:4322562)
3. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2018). De i ken Ak m De erleri Uygulanarak Parças Malzemesinin Elektrokimyasal İlenebilirli inin Tespiti. III. ULUSLARARASI MESLEK VE TEKN K B L MLER KONGRES (Summary of Article/Oral Presentation)(Publication Number:4323528)
4. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2018). Katot Malzemesinin K sa Devre Kontrol Mekanizmasının Verimi Üzerindeki Etkisinin Deneysel Olarak ncelenmesi. III. ULUSLARARASI MESLEK VE TEKN K B L MLER KONGRES (Summary of Article/Oral Presentation)(Publication Number:4323530)
5. YILMAZ O UZHAN,EK C Merve,Abbasi Tohid (2018). Uzay ve Havac l k Ala mlar n n elektriksel Erozyonla Delinmesi İeminde Yüzey Bütünlü ünün ncelenmesi. The 18th International Conference on Machine Design and Production (Full Paper/Oral Presentation)(Publication Number:4771244)
6. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2018). Effect of Feed Rate on Electrochemical Machining Freeform Surface. 3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE (Summary of Article/Oral Presentation)(Publication Number:4323536)
7. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2018). Electrolyte Effects on Electrochemical Machining: A Review. 3rd INTERNATIONAL CONFERENCE ON ADVANCES IN NATURAL APPLIED SCIENCE (Summary of Article/Oral Presentation)(Publication Number:4323538)
8. Dursun Ahmet Murat,ÖNAL RAHM ,YILMAZ O UZHAN,Salamc Elmas (2018). Hücresel Yap l Tasar mlarda Hacimsel Bo luk De erinin Belirlenmesine Yönelik Matematiksel Yakla m. 3rd International Congress on 3D Printing (Additive Manufacturing) Technologies and Digital Industry 2018 (Full Paper/Oral Presentation)(Publication Number:4773792)
9. DEM RTA HASAN,YILMAZ O UZHAN,KANBER BAHATT N (2017). SERBEST FORM YÜZEYLER N ELEKTROK MYASAL LENMES NDE KAV TASYON, KISA DEVRE VE OKS T KATMANI OLU UMUNUN DENEYSEL NCELENMES İ. 8th INTERNATIONAL SYMPOSIUM ON MACHINING (Full Paper/Oral Presentation)(Publication Number:3922194)
10. Kaçar Sinem,YILMAZ O UZHAN (2017). Investigation of the Effect of Vibration Stress Relief Method on Fatigue Life of Welded Joints Working Under Heavy and Variable Loads. 1st International Conference on Advanced Materials and Manufacturing Technologies, 63-66. (Full Paper/Oral Presentation)(Publication Number:3962759)

11. YILMAZ O UZHAN (2016). DEVELOPMENT OF A DESKTOP SIZE ELECTROCHEMICAL MACHINE FOR MICRO MACRO MANUFACTURING. The 17th International Conference on Machine Design and Production (Full Paper/)(Publication Number:3096606)
12. YILMAZ O UZHAN (2016). DEVELOPMENT AND INVESTIGATION OF SHAPED METAL DEPOSITION PROCESS USING TIG ARC HEAT SOURCE IN ADDITIVE LAYERED MANUFACTURING. The 17th International Conference on Machine Design and Production (Full Paper/)(Publication Number: 3096518)
13. YILMAZ O UZHAN (2016). Development and application of a cold wire feed TIG Welding Based Shaped Metal Deposition Method in Additive Manufacturing Technology. 4th International Conference on Welding Technology and Exhibition, 118-128. (Full Paper/)(Publication Number:3096168)
14. YILMAZ O UZHAN (2016). Cylindrical Part Geometry Manufacturing by Shaped Metal Deposition using TIG Welding. 4th International Conference on Welding Technology and Exhibition (Full Paper/)(Publication Number:3096261)
15. YILMAZ O UZHAN (2010). Mathematical modeling of EDM hole drilling using response surface methodology. 5th International Conference on Responsive Manufacturing-Green Manufacturing (ICRM 2010) (Full Paper/)(Publication Number:3147873)
16. BOZDANA AL TOLGA, YILMAZ O UZHAN, Muhammet Ali Okka, F L Z MAM HÜSEYİN (2009). A comparative experimental study on fast hole EDM of Inconel 718 and Ti 6Al 4V. Proceeding of 5th International Conference and Exhibition on Design and Production of machines and dies/molds (Full Paper/)(Publication Number:2261600)

D. Papers presented at national scientific meetings and published in the proceedings

1. DEM RTA HASAN, YILMAZ O UZHAN, KANBER BAHATTİN (2017). Makro ve Mikro Boyutlarda Üretim Yapabilen Elektrokimyasal İleme Tezgâhında İlem Parametreleri Etkilerinin İncelenmesi. Makina Tasarım ve Malat Dergisi, 15(1), 11-18. (Control Number: 4323611)

Other publications

1. YILMAZ O UZHAN (2016). Shaped metal deposition technique in additive manufacturing A review. Proc IMechE Part B: Journal of Engineering Manufacture, 230(10), 1781-1798., Doi: 10.1177/0954405416640181 (International) (Refereed) (Article) (Publication Number:3110691)

Research Note:

1. Derleme Makale, YILMAZ O UZHAN (2016). Shaped metal deposition technique in additive manufacturing A review. Proc IMechE Part B: Journal of Engineering Manufacture, 230(10), 1781-1798., Doi: 10.1177/0954405416640181 (Publication Number:3110691)

Editörship

1. Gazi University- Journal of Engineering-Architecture Faculty(SCI-Expanded), Journal, Editör, Gazi University, 31.03.2018
2. Gazi University- Journal of Engineering-Architecture Faculty(SCI-Expanded), Journal, Editör, Gazi University, 31.12.2018
3. Gazi University- Journal of Engineering-Architecture Faculty(SCI-Expanded), Journal, Editör, Gazi University, 30.09.2018
4. Gazi University- Journal of Engineering-Architecture Faculty(SCI-Expanded), Journal, Editör, Gazi University, 30.06.2018
5. Journal of the Faculty of Engineering and Architecture of Gazi University (SCI-Expanded), Journal, Editör, Gazi University
6. Journal of the Faculty of Engineering and Architecture of Gazi University (SCI-Expanded), Journal, Editör, Gazi University
7. Journal of the Faculty of Engineering and Architecture of Gazi University (SCI-Expanded), Journal, Editör, Gazi University
8. Journal of the Faculty of Engineering and Architecture of Gazi University (SCI-Expanded), Journal, Editör, Gazi University
9. Gazi University- Journal of Engineering-Architecture Faculty Volume 31 Serie 3 2016 (SCI-Expanded), Journal, Editör, Gazi University, 30.09.2016

10. Gazi University- Journal of Engineering-Architecture FacultyVolume31Serie4 2016 (SCI-Expanded), Journal, Editör, Gazi University, 31.12.2016
11. Gazi University- Journal of Engineering-Architecture FacultyVolume31Series2 2016 (SCI-Expanded), Journal, Editör, Gazi University, 30.06.2016
12. Gazi University- Journal of Engineering-Architecture FacultyVolume31Serie 1 2016 (SCI- Expanded), Journal, Editör, Gazi University, 31.03.2016
13. Gazi University- Journal of Engineering-Architecture FacultyVolume30Say 3 SEPTEMBER 2015 (SCI- Expanded), Journal, Editör, Gazi University, 30.06.2015-02.07.2015
14. Gazi University- Journal of Engineering-Architecture FacultyVolume30Say 4DECEMBER 2015 (SCI- Expanded), Journal, Editör, Gazi University, 30.09.2015-02.10.2015