

Personal Information

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Biography

Mine Uslu Uysal was born in Eskişehir, Turkey, in 1983. She graduated in mechanical engineering in 2005 from the Pamukkale University where she also earned his master degree in 2010 at Department of Mechanical Engineering. In 2009, she joined the Department of Mechanical Engineering, Mechanics Division, Yıldız Technical University as a Research Assistant. She earned her doctorate degree in 2015 under the supervision of Prof. Dr. Uğur Güven at Department of Mechanical Engineering, Yıldız Technical University. Since 2009, she has published archival journals and conference articles about advanced materials behaviors and has also studied projects of The Scientific and Technological Research Council of Turkey (TUBITAK). She started postdoctoral research at University of Kentucky, College of Engineering, 2017

The research activities of Dr. Mine Uslu Uysal focus on functionally gradient materials and polymers, mechanical behavior of adhesively bonded joints and finite element models for engineering systems.

Education Information

Post Doctorate, University Of Kentucky, College Of Engineering, Department Of Mechanical Engineering, United States Of America 2017 - 2018

Doctorate, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Mühendisliği, Turkey 2011 - 2015

Post Graduate, Pamukkale Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2007 - 2010

Silesian University Of Technology, Mechanical Engineering, Mechanic, Turkey Continues

Under Graduate, Anadolu Üniversitesi, İşletme Fakültesi, İşletme Bölümü, Turkey 2003 - 2007

Under Graduate, Yıldız Teknik Üniversitesi, Mühendislik Fakültesi, Makine Mühendisliği Bölümü, Turkey 2001 - 2005

Foreign Languages

English, B2 Upper Intermediate

Research Areas

Mechanical Engineering, Mechanical, Finite Element Methods, Engineering and Technology

Academic Titles / Tasks

Research Assistant PhD, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Muhendisligi Bolumu, 2015 - Continues

Research Assistant, Yıldız Teknik Üniversitesi, Faculty of Mechanical Engineering, Makine Muhendisligi Bolumu, 2009 - 2015

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

- **Virtual Crack Closure Technique on Delamination Fracture Toughness of Composite Materials Based on Epoxy Resin Filled with Micro-Scale Hard Coal**
Uysal M.
ACTA PHYSICA POLONICA A, vol.131, pp.59-61, 2017 (Journal Indexed in SCI)
- **Buckling behaviours of functionally graded polymeric thin-walled hemispherical shells**
Uysal M.
STEEL AND COMPOSITE STRUCTURES, vol.21, pp.849-862, 2016 (Journal Indexed in SCI)
- **Three-Dimensional Finite Element Analysis of Mixed Adhesive Bonded Joints under In-Plane Shear Loading**
Uysal M.
ACTA PHYSICA POLONICA A, vol.129, pp.448-450, 2016 (Journal Indexed in SCI)
- **Joint Strength Optimization of Bi-Adhesively Bonded Composite-Aluminum Sandwich Structure**
Uysal M.
ACTA PHYSICA POLONICA A, vol.129, pp.445-447, 2016 (Journal Indexed in SCI)
- **A Bonded Plate Having Orthotropic Inclusion in the Adhesive Layer under In-Plane Shear Loading**
Uysal M., Güven U.
JOURNAL OF ADHESION, vol.92, pp.214-235, 2016 (Journal Indexed in SCI)
- **Buckling Behaviour of Short Cylindrical Functionally Gradient Polymeric Materials**
Uysal M., KREMZER M.
ACTA PHYSICA POLONICA A, vol.127, pp.1355-1357, 2015 (Journal Indexed in SCI)
- **Buckling of functional graded polymeric sandwich panel under different load cases**
Uysal M., GÜVEN U.
COMPOSITE STRUCTURES, vol.121, pp.182-196, 2015 (Journal Indexed in SCI)
- **Strength estimation of adhesively bonded tongue and groove joint of thick composite sandwich structures using genetic algorithm approach**
Canyurt O. E. , Meran C., Uslu M.
INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol.30, pp.281-287, 2010 (Journal Indexed in SCI)

Articles Published in Other Journals

- **Delaminasyon İçeren Eğri Eksenli Kompozit Kirişlerin Titreşim Davranışlarının İncelenmesi**
USLU UYSAL M.
DUMF Mühendislik Dergisi, vol.9, pp.775-784, 2018 (Other Refereed National Journals)
- **Numerical Modeling of Functional Graded TiB coating in Nanoindentation on Determination of Mechanical Properties**
USLU UYSAL M.
Materials Today Proceedings, vol.2, pp.217-223, 2015 (Refereed Journals of Other Institutions)
- **Investigation of Thermal and Mechanical Loading on Functional Graded Material Plates.**
USLU UYSAL M.
International Journal of Mechanical, Aerospace, Industrial and Mechatronics Engineering, vol.7, pp.1219-1225, 2013 (Refereed Journals of Other Institutions)
- **Finite Element Analysis of Stresses on Substrates Coated with Single-Layered and Multi-Layered**
USLU UYSAL M.
Academic Journal of Science, vol.1, pp.1-6, 2012 (Refereed Journals of Other Institutions)
- **Characteristics of Graphite Distributions in Polymeric Functionally Gradient Materials FGMs Manufactured by the Centrifugal Casting Method.**
USLU UYSAL M., Kremzer M.
Journal of Arts & Sciences, vol.4, pp.1-9, 2011 (Refereed Journals of Other Institutions)
- **The Effect of Design on Adhesive Joints of Thick Composite Sandwich Structures**
USLU UYSAL M., CANYURT O. E. , MERAM C.

Refereed Congress / Symposium Publications in Proceedings

- **The Stress Behaviors of Functional Graded Polymeric Materials (FGPMs) Single Lap Joints Subjected to Tensile Load Environments**
USLU UYSAL M.
5th International Conference on Advances in Mechanical Engineering: ICAME 2019, İstanbul, Turkey, 17 - 19 December 2019, pp.633-638
- **The Effects of Cryogenically Treated CFRP Composite on the Buckling Behavior in Adhesively Bonded Beam**
USLU UYSAL M.
4th International Conference on Advances in Mechanical Engineering (ICAME 2018), 19 - 21 December 2018, pp.1280-1285
- **Creep Behavior Prediction of Aluminum-Titanium Diboride (Al-TiB₂) Metal Matrix Composite using Finite Element Simulation**
USLU UYSAL M.
International Science and Technology Conference (ISTEC 2017), Berlin, Germany, 17 July 2017, pp.72
- **Research on Thermal Buckling Behaviour of the Adhesively Bonded Scarf Joints for Glass Connections**
USLU UYSAL M.
European Advanced Materials Congress, Stockholm, Sweden, 23 - 25 August 2016
- **Buckling of Anisotropic/Isotropic Sandwich Plate Assemblies under Shear Loading.**
USLU UYSAL M.
International Conference on Computing, Mechanical and Electronics Engineering (ICCMEE'2015), 01 July 2015
- **Finite Element Analysis of Adhesively Bonded Tongue and Groove Geometry of Thick Composite Structures**
USLU UYSAL M.
International Symposium on Models and Modeling Methodologies in Science and Engineering : MMMse 2011., 01 July 2011

Supported Projects

USLU UYSAL M., TUBITAK Project, Kırılma ve çatlak ilerleme analiz sistemi (Fcpas) Aşama 1, 2011 - 2011

USLU UYSAL M., TUBITAK Project, Statik ve Dinamik yüklemeye maruz kalın kompozit laminalarda dil ve oluk birleştirme tekniği ile yapıştırma, parametrelerin incelenmesi ve genetik algoritma yöntemi ile optimum tasarım parametrelerinin bulunması., 2007 - 2009

Citations

Total Citations (WOS):61

h-index (WOS):5

Awards

USLU UYSAL M., IAAM Scientist Medal of year 2016, International Association of Advanced Materials at European Advanced Materials Congress, August 2016