Curriculum Vitae

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ACADEMIC POSITIONS

2014 - present	Associate Proffessor	Department of Manufacturing Engineering, Atılım University, Ankara, Turkey
2009 - 2014	Assistant Proffessor	Department of Manufacturing Engineering, Atılım University, Ankara, Turkey
2008 - 2009	Instructor	Department of Manufacturing Engineering, Atılım University, Ankara, Turkey
2004 - 2008	Assistant Proffessor	Department of Mechanical Engineering, Başkent University, Ankara, Turkey
2003 - 2004	Instructor	Department of Mechanical Engineering, Başkent University, Ankara, Turkey
1997 - 2002	Research Assistant	Department of Engineering Sciences, Middle East Technical University, Ankara, Turkey

EDUCATION

1996 - 2003	Ph.D.	Department of Engineering Sciences, Middle East Technical University, Ankara, Turkey
1993 - 1996	M.Sc.	Department of Civil Engineering, Middle East Technical University, Ankara, Turkey
1987 - 1993	B.S.	Department of Civil Engineering, Middle East Technical University, Ankara, Turkey

ADMINISTRATIVE POSITIONS

2010 - present Codirector of Graduate School of Natural & Applied Sciences, Atılım University, Ankara, Turkey

COURSES TAUGHT

- Computer Programming I (Introduction to C programming language)
- Computer Programming II (C and C++ programming languages)
- Statics
- Dynamics
- Strength of Materials
- Advanced Strength of Materials
- Numerical Analysis
- Theory of continuous media I
- Theory of continuous media II

RESEARCH AREAS

- Computational solid mechanics
- Boundary element method
- Soil structure interaction
- Poroelasticity
- Thermoelasticity
- Viscoelasticity
- Plasticity
- Functionally graded materials

PUBLICATIONS

Peer Reviewed Journals

2014 Eratlı N, Argeso H, Çalım FF, Temel B, Omurtag MH, Dynamic analysis of linear viscoelastic helicoidal rods using the finite element method. *Journal of Sound and Vibration* (Accepted for publication)

2014 Argeso H, Mengi Y, A Frequency Domain Boundary Element Formulation for Dynamic Interaction Problems in Poroviscoelastic Media. *Computational Mechanics*, vol. 53 (2), pp. 215-237, 2014. **DOI**:10.1007/s00466-013-0903-2

2012 Argeso H, Analytical solutions to variable thickness and variable material property rotating disks for a new three parameter variation function. *Mechanics Based Design of Structures and Machines*, vol. 40 (2), pp. 133-152, 2012. **DOI**: 10.1080/15397734.2011.611459

2008 Argeso H, Eraslan AN, On the Use of Temperature-Dependent Physical Properties in Thermomechanical Calculations. *International Journal of Thermal Sciences* vol. 47 (2), pp. 136-146, 2008. **DOI**: 10.1016/j.ijthermalsci.2007.01.029

2007 Argeso H**,** Eraslan AN, A Computational Study on Functionally Graded Rotating Solid Shafts. *International Journal for Computational Methods in Science and Engineering*, vol. 8 (6), pp. 391-399, 2007. **DOI:** 10.1080/15502280701577842

2006 Mengi Y, Argeso H, A Unified Approach for the Formulation of Interaction Problems by the Boundary Element Method. *International Journal for Numerical Methods in Engineering*, vol. 66 (5), pp. 816-842, 2006. DOI: 10.1002/nme.1585

2005 Eraslan AN, Argeşo H, Computer Solutions of Plane Strain Axisymmetric Thermomechanical Problems. *Turkish Journal of Engineering and Environmental Sciences*, vol. 29 (6), 369-381, 2005. **URL**: http://journals.tubitak.gov.tr/engineering/issues/muh-05-29-6/muh-29-6-5-0506-10.pdf

2005 Eraslan AN, Argeso H, 2005. On the Application of Von-Mises Yield Criterion to a Class of Plane Strain Thermal Stress Problems, *Turkish Journal of Engineering and Environmental Sciences*, vol. 29 (2), 113-128, 2005. **URL:** http://journals.tubitak.gov.tr/engineering/issues/muh-05-29-2/muh-29-2-6-0411-2.pdf

2005 Eraslan AN, Argeso H, A Nonlinear Shooting Method Applied to Solid Mechanics: Part II. Numerical Solution of a Plane Strain Model, *Nonlinear Analysis and Phenomena*, vol. 2 (1), pp. 31-42, 2005.

2003 Eraslan AN, Sener E, Argeso H, Stress Distribution in Energy Generating Two Layer Tubes Subjected to Free and Radially Constrained Boundary Conditions. *International Journal of Mechanical Sciences*, vol. 45 (3), pp. 469-496, 2003. **DOI**: 10.1016/S0020-7403(03)00060-2

2002 Eraslan AN, Argeso H, Limit Angular Velocities of Variable Thickness Rotating Disks. *International Journal of Solids and Structures*, vol. 39 (12), pp. 3109-3130, 2002. **DOI**: 10.1016/S0020-7683(02)00249-4

Peer Reviewed International Proceedings

2012 Argeso H, Çalım FF, Eratlı N, Omurtag MH, Dynamic Analysis of Viscoelastic Helixes Subjected to Impulsive-Sinusoidal Load by Using the Finite Element Method, *10'th International Congress on Advances in Civil Engineering*, 17-19 October 2012 Ankara, Turkey.

2011 Argeso H, Eratlı N, Darılmaz K, Omurtag MH, Analysis of viscoelastic conical helixes via mixed finite element method, *International Symposium on Advances in Applied Mechanics and Modern Information Technology*, pp. 102-106, 22-23 September 2011, Baku, Azerbaijan.

2007 Argeso H, Eraslan AN, Deformation Analysis of FGM Rotating Hollow Shafts with Shooting Method. *CMM-2007 Computer Methods in Mechanics*, June 19-22 2007 Lodz-Spala, Poland.

2006 Argeso H, Eraslan AN, A Computational Study on Functionally Graded Solid Shafts: Analysis of Preliminary Results. *III European Conference on Computational Mechanics, Solids Structures and Coupled Problems in Engineering*, June 5-8 2006 Lisbon, Portugal.

2005 Argeso H, Eraslan AN, A Simple Computational Model for Unified Treatment of a Class of Plane Strain Thermoplastic Stress Problems. *6-th International Congress in Thermal Stresses*., Vol. 1, 203-206, May 26-29 2005, Vienna, Austria.

2003 Eraslan AN, Argeso H, Akıs T, Stress Analysis in Heat Generating Steel-Copper Tube Assembly with Rigid Casing. *5-th International Congress in Thermal Stresses and Related Topics*., Vol. 2, VM-511-514, June 6-10 Blacksburg 2003, VA, USA.

Peer Reviewed National Proceedings

2011 Argeso H, Eratlı N, Darılmaz K, Omurtag MH, *Silindirik Helislerin Farklı Viskoelastik Modellemelerinin SE Analizi*, XVII. Ulusal Mekanik Kongresi, 5-9 Eylül 2011, Elazığ.

2009 Argeso H, Mengi Y, Sonsuz poroviskoelastik ortam içine gömülü dairesel kesitli rijit silindirik cismin üzerindeki dalga şaçılmasının sınır eleman yöntemiyle analizi. *XVI Ulusal Mekanik kongresi*, 22-26 Haziran 2009, Kayseri.

2007 Argeso H, Eraslan AN, Fonksiyonel Derecelendirilmiş Dönen Milin Elastik Davranışı için Yarı Analitik bir Çözüm. *XV Ulusal Mekanik kongresi*, 03-07 Eylül 2007, Isparta.

2005 Argeso H, Eraslan AN, Düzlemsel Şekil Değiştiren, Eksenel Simetrik Elemanlarda Artık Termal Gerilmelerin Tahmin Edilebilmesi İçin Sayısal Hesaplamalı Bir Model. *XIV Ulusal Mekanik kongresi*, 12-16 Eylül 2005, Antakya.

1999 Mengi Y, Baranoğlu B, Argeşo H, Sınır Eleman Yöntemine Genel Bakış ve Bazı Uygulamalar, *XI. Ulusal Mekanik Kongresi*, 6-10 Eylül 1999, Bolu.

1998 Polat MU, Bahat HB, Argeşo H, Düzlem Kabuk Yapısal Sistemlerin Analizi için Bir Panel Makro Elemanı. *III. Ulusal Hesaplamalı Mekanik Konferansı*, pp. 203-209, 16-18 Kasım 1998, İstanbul.

Projects

15.10.2011- 15.10.2014	Değişken Kesitli Ve Eksen Geometrisi Silindirik Olmayan Viskoelastik Helislerin Karışık Sonlu Eleman Yöntemiyle Analizi, Tübitak 1001 - 111M308. **Researcher**.
15.04.2011-15.10.2012	Sac Metallerde Akma Yüzeyi Tespiti İçin Eş Zamanlı Sıcaklık ve Genleme Ölçümüne Dayalı Yeni Bir Deneysel Yaklaşımın Geliştirilmesi, Tübitak 1001 - 110M586. **Researcher**.
01.03.1999 -01.09.2000	Yapı-Zemin Etkileşimi Analizi İçin Yatay Dalgaları İletebilen ve Sınır Eleman Yöntemine Uygun Yeni Bir Yapay Sınır Şartının Geliştirilmesi (*Artificial Boundary Conditions for Soil-Structure Interaction Analysis Capable for Transmitting Horizontal Waves and Suitable for Boundary Element Analysis*), Tübitak – İNTAG Proje No. 562. **Researcher**.