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### PERSONAL

<b>Date of Birth</b>	January 1970
<b>Place of Birth</b>	Ankara, Turkey

### EDUCATION

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

### ACADEMIC POSITIONS

<b>2020-Present</b>	Professor, Department of Aerospace Engineering, Atılım University, Turkey
<b>2014 – 2020</b>	Associate Professor, Department of Manufacturing Engineering, Atılım University, Turkey
<b>2009 - 2014</b>	Assisant Professor, Department of Manufacturing Engineering, Atılım University, Turkey
<b>2008 - 2009</b>	Instructor, Department of Manufacturing Engineering, Atılım University, Turkey
<b>2004 - 2008</b>	Assistant Professor, Department of Mechanical Engineering, Başkent University, Turkey
<b>2003 - 2004</b>	Instructor, Department of Mechanical Engineering, Başkent University, Turkey
<b>1997 - 2002</b>	Research Assistant, Department of Engineering Sciences, Middle East Technical University, Turkey

### ADMINISTRATIVE DUTIES

<b>2024-Present</b>	Acting Head of the Department of Aerospace Engineering, Atılım University
<b>2016 - 2017</b>	Associate Dean of Engineering Faculty, Atılım University
<b>2014 - 2015</b>	Acting Dean of Students, Atılım University
<b>2010 - 2014</b>	Associate Director of Graduate School of Natural & Applied Sciences, Atılım University

## RESEARCH INTERESTS

1	Computational solid mechanics,
2	Thermoelasticity, Poroelasticity ,Viscoelasticity, Plasticity
3	Functionally graded materials

## PUBLICATIONS

1	Soyarslan C, Argeso H, Bargmann S, Skeletonization-based beam finite element models for stochastic bicontinuous materials: Application to simulations of nanoporous gold. <i>Journal of Materials Research</i> , vol. (33), pp. 3371-3382, 2018. <b>DOI:</b> 10.1557/jmr.2018.244
2	Essa S, Argeso H, Elastic analysis of variable profile and polar orthotropic FGM rotating disks for a variation function with three Parameters, <i>Acta Mechanica</i> , vol. (228), pp. 3877–3899, 2017. <b>DOI:</b> 10.1007/s00707-017-1896-2.
3	Ermis M, Eratlı N, Argeso H, Kutlu A, Omurtag MH, Parametric analysis of viscoelastic hyperboloidal helical rod. <i>Advances in Civil Engineering</i> , vol. 19(9), pp. 1420-1434, 2016. <b>DOI:</b> 10.1177/1369433216643584.
4	Eratlı N, Argeso H, Kutlu A, Omurtag MH, The Effects of Viscous Bulk Compressibility for Noncylindrical Helices. <i>International Journal of Civil and Structural Engineering</i> , vol. (2), pp. 307-311. ISSN : 2372-3971
5	Eratlı N, Argeso H, Çalim FF, Temel B, Omurtag MH, Dynamic analysis of linear viscoelastic cylindrical and conical helicoidal rods using the mixed FEM. <i>Journal of Sound and Vibration</i> , vol. 333, pp. 3671-3690, 2014. <b>DOI:</b> 10.1016/j.jsv.2014.03.017.
6	Argeso H, Mengi Y, A frequency domain boundary element formulation for dynamic interaction problems in Poroviscoelastic Media. <i>Computational Mechanics</i> , vol. 53 (2), pp. 215-237, 2014. <b>DOI:</b> 10.1007/s00466-013-0903-2.
7	Argeso H, Analytical solutions to variable thickness and variable material property rotating disks for a new three parameter variation function. <i>Mechanics Based Design of Structures and Machines</i> , vol. 40 (2), pp. 133-152, 2012. <b>DOI:</b> 10.1080/15397734.2011.611459.
8	Argeso H, Eraslan AN, On the use of temperature-dependent physical properties in thermomechanical calculations. <i>International Journal of Thermal Sciences</i> vol. 47 (2), pp. 136-146, 2008. <b>DOI:</b> 10.1016/j.ijthermalsci.2007.01.029.
9	Argeso H, Eraslan AN, A computational study on functionally graded rotating solid shafts. <i>International Journal for Computational Methods in Science and Engineering</i> , vol. 8 (6), pp. 391-399, 2007. <b>DOI:</b> 10.1080/15502280701577842.
10	Mengi Y, Argeso H, A unified approach for the formulation of interaction problems by the boundary element method. <i>International Journal for Numerical Methods in Engineering</i> , vol. 66 (5), pp. 816-842, 2006. DOI: 10.1002/nme.1585.
11	Eraslan AN, Argeşo H, Computer solutions of plane strain axisymmetric thermomechanical problems. <i>Turkish Journal of Engineering and Environmental Sciences</i> , vol. 29 (6), 369-381, 2005.
12	Eraslan AN, Argeso H, 2005. On the application of von-Mises yield criterion to a class of plane strain thermal stress problems, <i>Turkish Journal of Engineering and Environmental Sciences</i> , vol. 29 (2), 113-128, 2005.
13	Eraslan AN, Argeso H, A nonlinear shooting method applied to solid Mechanics: Part II. Numerical solution of a plane strain model, <i>Nonlinear Analysis and Phenomena</i> , vol. 2 (1), pp. 31-42, 2005.

14	Eraslan AN, Sener E, Argeso H, Stress distribution in energy generating two layer tubes subjected to free and radially constrained boundary conditions. <i>International Journal of Mechanical Sciences</i> , vol. 45 (3), pp. 469-496, 2003. <b>DOI: 10.1016/S0020-7403(03)00060-2.</b>
15	Eraslan AN, Argeso H, Limit angular velocities of variable thickness rotating disks. <i>International Journal of Solids and Structures</i> , vol. 39 (12), pp. 3109-3130, 2002. <b>DOI: 10.1016/S0020-7683(02)00249-4.</b>

## PROJECTS

1	Aktif Küresel Dişli Mekanizması ( <i>Active Ball Joint Mechanism</i> ), Tübitak 2209/A, 1919B012219615, 2022 <b>Academic Advisor.</b>
2	Ergiyik Akış Endeksi Test Cihazı Tasarımı ve İmalatı ( <i>Design and Manufacturing of Melt Flow Indexer</i> ), Lisans Altyapı Projesi (LAP), 2018. <b>CoAdvisor.</b>
3	Değişken Kesitli ve Eksen Geometrisi Silindirik Olmayan Viskoelastik Helislerin Karışık Sonlu Eleman Yöntemiyle Analizi ( <i>Mixed finite element analysis of viscoelastic helixes having variable cross-section and non-cylindrical axial geometry</i> ), Tübitak 1001 - 111M308, 15.10.2011- 15.10.2014, <b>Researcher.</b>
4	Sac Metallerde Akma Yüzeyi Tespiti için Eş Zamanlı Sıcaklık ve Genleme Ölçümüne Dayalı Yeni Bir Deneysel Yaklaşımın Geliştirilmesi, Tübitak 1001 - 110M586, 15.04.2011-15.10.2012, <b>Researcher.</b>
5	Yapı-Zemin Etkileşimi Analizi İçin Yatay Dalgaları İletebilen ve Sınır Eleman Yöntemine Uygun Yeni Bir Yapay Sınır Şartının Geliştirilmesi ( <i>Artificial Boundary Conditions for Soil-Structure Interaction Analysis Capable for Transmitting Horizontal Waves and Suitable for Boundary Element Analysis</i> ), Tübitak – İNTAG Proje No. 562, 01.03.1999 -01.09.2000, <b>Researcher.</b>

## CONFERENCE PRESENTATIONS

1	Şengönül CM, Argeso H, Canbaz Hİ, Kiraz F, Cabar A, Özkan B, Başkaya C, Noyan B, Design and Manufacture of a Pendulum Impact Testing Machine for Plastics, The 18th International Conference on Machine Design and Production - UMTIK 2022, 31 August -3 September 2022, Cappadocia , TURKEY.
2	Soyarslan C, Argeso H, Bargmann S, İç İçe Geçmiş Rastgele Kompozitlerin Matematiksel Modellenmesi, 21. Ulusal Mekanik Kongresi, 02-06 Eylül 2019, Niğde.
3	Argeso H, Soyarslan C, Bargmann S, İki Boyutlu Periyodik Latislerde Düzlem Dalga Yayılımı Analizi, 21. <i>Ulusal Mekanik Kongresi</i> , 02-06 Eylül 2019, Niğde.
4	Şengönül M, Argeso H, Şerefoğlu B, Duran B, Nikbay B, Koyuncu DN, Özkan T, Gülsen Köroğlu G, Ceylan Ç, Demirci MH. Design and Manufacture of a Melt-Flow Indexer, <i>The 18th International Conference on Machine Design and Production - UMTIK 2018</i> , 3-6 July 2018, Eskişehir, TURKEY.
5	Argeso H, Yıldırım M, Isı üreten çok katmanlı kompozit tüplerin termoelastik analizine yönelik hesaplamalı bir yöntem, XX. <i>Ulusal Mekanik Kongresi</i> , 05-09 Eylül 2017, Bursa, Türkiye.
6	Ermiş M, Eratlı N, Argeso H, Kutlu A, Omurtag MH. The effects of the viscosity parameters on the barrel type helical rod, <i>The 2015 World Congree on Advances in Civil, Environmental amd Materials Research - ACEM15</i> , 25-29 August 2015, Incheon, Korea.
7	Ermiş M, Eratlı N, Argeso H, Kutlu A, Omurtag MH, Konik tipi viskoelastik helislerin farklı yüklemeler altındaki dinamik davranışı, XIX. <i>Ulusal Mekanik Kongresi</i> , 24-28 Ağustos 2015, Trabzon, Türkiye

8	Eratlı N, Ermiş M, Argeso H, Kutlu A, Omurtag MH, Fıçı tipi doğrusal viskoelastik helislerin dinamik davranışı, <i>XIX. Ulusal Mekanik Kongresi</i> , 24-28 Ağustos 2015, Trabzon, Türkiye.
9	Ermiş M, Argeso H, Eratlı N, Omurtag MH, The effects of viscous bulk compressibility for cantilvered cylindrical helices. <i>International Conference on Civil and Environmental Engineering - ICOCEE Cappadocia2015</i> , 20-23 May 2015, Cappadocia, Nevşehir, Turkey.
10	Eratlı N, Argeso H, Omurtag MH, The effects of viscous bulk compressibility for noncylindrical helices. <i>The Proceedings of Second International Conference on Advances in Civil, Structural and Construction Engineering - CSCE 2015</i> , 18-19 April 2015, Rome, Italy.
11	Ermiş M, Eratlı N, Argeso H, Çalım FF, Omurtag MH, Quasi-static and dynamic analyses of viscoelastic conical helixes with a squared box cross-section. <i>11'th International Congress on Advances in Civil Engineering</i> , 21-25 October 2014 İstanbul, Turkey.
12	Argeso H, Çalım FF, Eratlı N, Omurtag MH, Dynamic analysis of viscoelastic helixes subjected to impulsive-sinusoidal load by using the finite element Method. <i>10'th International Congress on Advances in Civil Engineering</i> , 17-19 October 2012 Ankara, Turkey.
13	Argeso H, Eratlı N, Darılmaz K, Omurtag MH, Analysis of viscoelastic conical helixes via mixed finite element method, <i>International Symposium on Advances in Applied Mechanics and Modern Information Technology</i> , pp. 102-106, 22-23 September 2011, Baku, Azerbaijan.
14	Argeso H, Eratlı N, Darılmaz K, Omurtag MH, Silindirik helislerin farklı viskoelastik modellemelerinin SE analizi, <i>XVII. Ulusal Mekanik Kongresi</i> , 5-9 Eylül 2011, Elazığ, Türkiye.
15	Argeso H, Mengi Y, Sonsuz poroviskoelastik ortam içine gömülü dairesel kesitli rijit silindirik cismin üzerindeki dalga saçılmasının sınır eleman yöntemiyle analizi. <i>XVI. Ulusal Mekanik kongresi</i> , 22-26 Haziran 2009, Kayseri, Türkiye.
16	Argeso H, Eraslan AN, Fonksiyonel derecelendirilmiş dönen milin elastik davranışı için yarı analitik bir çözüm. <i>XV. Ulusal Mekanik kongresi</i> , 03-07 Eylül 2007, Isparta, Türkiye.
17	Argeso H, Eraslan AN, Deformation analysis of FGM rotating hollow shafts with shooting method, <i>CMM-2007 Computer Methods in Mechanics</i> , June 19-22 2007 Lodz-Spala, Poland.
18	Argeso H, Eraslan AN, A computational study on functionally graded solid shafts: Analysis of preliminary results. <i>III European Conference on Computational Mechanics, Solids Structures and Coupled Problems in Engineering</i> , June 5-8 2006 Lisbon, Portugal.
19	Argeso H, Eraslan AN, Düzlemsel şekil değiştiren, aksenal simetrik elemanlarda artık termal gerilmelerin tahmin edilebilmesi için sayısal hesaplamalı bir model. <i>XIV. Ulusal Mekanik kongresi</i> , 12-16 Eylül 2005, Antakya, Türkiye.
20	Argeso H, Eraslan AN, A simple computational model for unified treatment of a class of plane strain thermoplastic stress problems. <i>6-th International Congress in Thermal Stresses</i> . Vol. 1, 203-206, May 26-29 2005, Vienna, Austria.
21	Eraslan AN, Argeso H, Akıs T, Stress analysis in heat generating steel-copper tube assembly with rigid casing. <i>5-th International Congress in Thermal Stresses and Related Topics.</i> , Vol. 2, VM-511-514, June 6-10 Blacksburg 2003, VA, USA.
22	Mengi Y, Baranoğlu B, Argeşo H, Sınır eleman yöntemine genel bakış ve bazı uygulamalar, <i>XI. Ulusal Mekanik Kongresi</i> , 6-10 Eylül 1999, Bolu, Türkiye.

23	Polat MU, Bahat HB, Argeşo H, Düzlem kabuk yapısal sistemlerin analizi için bir panel makro elemanı. <i>III. Ulusal Hesaplamalı Mekanik Konferansı</i> , pp. 203-209, 16-18 Kasım 1998, İstanbul, Türkiye.
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### COURSES GIVEN

1	Computer Programming I (Introduction to C programming language), Başkent University
2	Computer Programming II (C and C++ programming languages), Başkent University
3	Introduction to Computational Tools in Manufacturing Engineering
4	Statics
5	Dynamics
6	Strength of Materials
7	Advanced Strength of Materials
8	Numerical Analysis
9	Theory of Continuous Media I
10	Theory of Continuous Media II
11	Applied Elasticity