

**CIRCIUM VITAE****1. Name Surname** : Ahmet Erklig**2. Birth Date** : 25.11.1974**3. Title** : Assist.Prof.Dr.**4. Education:**

Degree	Department	University	Year
B.Sc.	Mechanical Engineering	University of Gaziantep/Turkey	1996
Ms.C.	Mechanical Engineering	University of Gaziantep/Turkey	1999
Ph.D.	Mechanical Engineering	University of Gaziantep/Turkey	2003

**5. Academic Title:**

Assist.Prof.Dr. Mechanical Engineering Dept. University of Gaziantep/Turkey 2004-

**6. Publications****6.1 Articles published in international refereed journals:**

1. Kanber B, Guzelbey I.H. and Erklig A., Boundary Element Analysis of Contact Problems Using Artificial Boundary Node Approach, *Acta Mech Sinica*, 2003, **19** (4): 347-354
2. Guzelbey I.H., Erklig A., The Efficiency of Direct Integration Methods in Elastic Contact-Impact Problems, *Acta Mechanica Sinica*, August, 2005. Vol.21,Iss.4
3. Guzelbey, Ibrahim H.; Kanber, Bahattin; Erklig, Ahmet, Coupling of finite and boundary element methods with incompatible interfaces, *Mathematical and Computational Applications*, December, 2005. Vol.10,Iss.3;p.321-330
4. Ibrahim H. Guzelbey, Abdulkadir Cevik and Ahmet Erklig, Prediction of web crippling strength of cold-formed steel sheetings using neural Networks, *Journal of Constructional Steel Research*, October 2006. Vol.62,Iss.10;p.962
5. Abdulkadir Cevik, M. Akif Kutuk, Ahmet Erklig and Ibrahim H. Guzelbey, Neural network modeling of arc spot welding, *Journal of Materials Processing Technology*, 2008, Volume 202, Issues 1-3, Pages 137-144
6. Erklig A, Yeter E, 2012, "The Effects of Cut-outs on Buckling Behavior of Composite Plates", *Science and Engineering of Composite Materials*, DOI: 10.1515/SECM.2012.0011

**6.2 Papers presented at international conferences:**

Guzelbey I.H., Erklig A., Ozakca M., Finite Element Analysis and Optimization of A Soldier Boot Sole Under Static Load, Ninth International ANSYS Conference and Exhibition, ANSYS, Inc., USA, 2000

**6.3 Articles published in national refereed journals:**

Guzelbey I.H., Kanber B., Erklig A., Coupling of Finite And Boundary Element Methods With Incompatible Interfaces, *Mathematical and Computational Applications An International Journal*, Vol.10, No.3, pp 321-220, 2005.

Erklig A., Guzelbey I.H., Cevik A., Finite Element Analysis of Finite Strain Elastoplastic Contact-Impact Problems, *Gazi University Journal of Science*, Vol 23, No 3 (2010)

#### 6.4 Papers presented at national conferences:

1. Güzelbey İ.H., Erklig A., Özakça M., 'Bir Bot Tabanının Sonlu Elemanlar Metodu İle Modellenmesi, Analizi ve Optimizasyonu', XI. National Mechanic Congress, pp. 371-378, Bolu, Turkey, 6-10 Eylül, 1999.
2. Güzelbey İ.H., Atmaca N., Erklig A., Serbest Ucundan Tekil Yüke Maruz Bir Kirişin Elasto-plastik Çözümü, XIII. National Mechanic Congress, pp. 891-895, Gaziantep, Turkey, 8-12 Eylül, 2003.
3. Güzelbey İ.H., Erklig A., Bir Bot Tabanının Sonlu Eleman Yöntemi İle Statik ve Dinamik Analizi, XIV National Mechanic Congress, 12-16 Eylül 2005, Sayfa 863-868, Hatay, Turkey
4. Güzelbey İ.H., Erklig A., Elastik Temas-Darbe Problemlerinin Sonlu Eleman Analizi, XIV National Mechanic Congress, 12-16 Eylül 2005, Sayfa 869-877, Hatay, Turkey
5. Sönmez E., Kütük M.A., Erklig A., A Review: Lightweighth Material Applications in Automotive Industry, 2006, 3rd Automotive Technologies Congress, Bursa, Turkey
6. Erklig A., Güzelbey İ.H., Zaman İntegrasyon Metodlarının Dinamik Kompozit Problemlere Uygulanması, XV National Mechanic Congress, 3-7 Eylül 2007, sayfa 857-865, Isparta, Turkey
7. Erklig A, Kütük M.A., Bayer S.K., Mahruti Dişlisinin Diş Dibi Gerilim Analizi, 2008, 4rd Automotive Technologies Congress, sayfa 210-214, Bursa, Turkey
8. Erklig A., Atmaca N., Güzelbey İ.H., Ağsız Radyal Noktasal İnterpolasyon Yönetiminin İki Boyutlu Elastik Probleme Uygulanması, XVI National Mechanic Congress, 22-26 Haziran 2009, Kayseri, Turkey
9. Erklig A, Yeter E., Gülbay M., Finite Element Analysis of Backhoe-Loader Front Arm, 2010, 5th Automotive Technologies Congress, Bursa, Turkey
10. Erklig A, Yeter E., Kompozit Malzemelere Açılan Dairesel, Kare, Üçgen Ve Eliptik Kesitlerin Burkulmaya Etkisinin Sonlu Eleman Yöntemiyle Araştırılması, XVII. National Mechanic Congress, Elazığ, Turkey, 2012
11. Erklig A., Diri A., Carpet Shearing Machine, 1st Mechanical Components and Manufacturing Technology R & D Market, 2012, İstanbul, Turkey