

Name, Last Name : Bora Akşar



Doctorate **Gebze Technical University** 4,00 / 4
14.09.2010/ 27.07.2017
Institute of Science and Technology,
Earthquake and Strucutral Engineering

PostGraduate **İstanbul Technical University** 3,81 / 4
25.01.2007/ 05.03.2010
Institute of Science and Technology,
Earthquake Engineering

University **Yıldız Technical University** 3,46 / 4
24.09.2003/ 09.10.2006
Civil Engineering Faculty, Civil Engineering

High School **Kültür College**
Science

Computer Literacy Tekla-XSteel, Ansys, AutoCad, Perform 3D, Ls-dyna, Sap2000,
Xtract, MS Ofis Programları, MS Windows, MacOS, C, C++, Visual Basic,
Etaps, Sta4Cad.

Work Experience **Işık University** – Assistant Professor
(2020 -)
İstanbul Şehir University – Assistant Professor
(2018- 2020)

Yıldız Technical University – Lecturer
(2017-2018)

Statik & Mukavemet

İstanbul Kültür University – Lecturer
(2017-2018)

Depreme Dayanıklı Yapı Tasarımı
Earthquake Resistant Sturtural Design
Statics
Building Mechanics
Strucural System I
Strucutral System II

Özyeğin University – Lecturer
(2017-2018)

Statics & Strength Materials
Strucutral Analysis

Gebze Technical University- Research Assistant
(01.2013/01.2017)

“Structural Analysis ” teaching assistant.
“Earthquake Resistant Structural Design” teaching assistant.

Technical Report Regarding the Building on map section 1673 / 18

Registered at the Address of Naci Kunt Street No: 3 in Darica District of Kocaeli Province.

Technical Report Regarding the Building on map section 318 / 24 Registered at Address No: 177, İstiklal Caddesi, Tomtom Mahallesi, Beyoğlu District, İstanbul

Technical Report Regarding the Building on map section 6905 / 85 Registered at the Address of Darica District of Kocaeli Province Bağlarbaşı Neighborhood, Tuzla Alüfe Street (Masonry)

Technical Report for Darica Nursing Home - on map section 9549/ 121 in Yeni Mahalle, Darica District of Kocaeli Province

Technical Report for steel warehouse structure on map section 105 / 400 Registered in Pozatı District of Adana Province.

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Heybeliada on map section 12 / 18

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Heybeliada on map section 58 / 41

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Heybeliada on map section 72/ 2

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Kınalıada on map section 34 / 8

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Büyükada on map section 54 / 11

Strucutral Evaluation Report for a building in Istanbul Province Adalar District Büyükada on map section 131 / 29

Erbay A. İnşaat / Statical Engineer
(02.2009/01.2013)

Steel Strucutral Design, Calculations and preparing shop drawing of Erbay Alüminyum Factory Building, Makinacılar OSB

Metropark Avm (BAKU) - Steel skylight (3000m²) Steel Strucutral Design, Calculations and preparing shop drawing

Cinema Park (BAKU) - Steel Strucutral Design, Calculations and preparing shop drawing of (1800m²)

Poti Projesi (BAKU) - (1700m²) Steel Strucutral Design, Calculations and preparing shop drawing

Akasya Acıbadem Avm (Partial) – Facade and steel constructions Design, Calculations and preparing shop drawing

Hukukçular Towers - Facade and steel constructions Design, Calculations and preparing shop drawing

Bursa Hilton&Hampton Facade Calculation and preparing shop drawing

Istanbloom project Facade Calculation and preparing shop drawing

Astay 16:9 Facade Calculation and preparing shop drawing

Maçka HoPhone Facade - Calculation and preparing shop drawing

Özyeğin University - Facade and steel constructions Design, Calculations and preparing shop drawing

Taşlar İnşaat (internship) / Engineer- 30days
(06.2005/08.2005)

Güneşyol İnş. Asfalt Taahhüt A.Ş. (internship) / Engineer- 30days
(08.2005/10.2005)

Other Steel Project / Statical Engineer / Consultant
Okan university auditorium balcony floor Steel Strucutral system Design, Calculations and preparing shop drawing – Tuncel Müh,(2017).

Theses and Projects

Amplified Seismic loads in Steel Framing Systems, (2017)

Aksar. B.

Phd thesis, Earthquake and Structural Engineering., Gebze Technical University

Betonarme Binalarda, Beton Dayanımında Azalmanın Doğrusal Olmayan Davranıştaki Etkinliğinin Deprem Sırasında Bazı Parametrelere Bağlı Olarak İncelenmesi, (2010)

Aksar. B.

Post Graduate Thesis, Earthquake Engineering, İstanbul Technical University

Çelik Moment Ve Merkezi Çaprazlı Çerçevelerde Arttırılmış Deprem Etkileri ve Sismik Enerji Talepleri (2016)

Aksar. B.

TÜBİTAK Project (114R044), Scholar

Süneklik Düzeyi Yüksek ve Normal Merkezi Çaprazlı Çelik Çerçevelerde Doğrusal Olmayan Burulma Davranışı," Project No: 2014-A-29, BAP Projesi, Gebze Technical University, July2014 – July 2015.

Aksar. B.

BAP project, Gebze Technical University, Researcher

Conference Proceedings

Aksar, B., Dogru, S., Shen, J., Cakir, F., Akbas, B., "Earthquake Induced Amplified Loads in Steel Inverted V-Type Concentrically Braced Frames, 3rd Turkish Conference on Earthquake Engineering and Seismology, Dokuz Eylul University, Izmir, October 14-16, 2015.

Dogru, S., Aksar, B., Akbas, B., Shen, J., Doran, B., "Seismic Energy Response of Two-Story X-Braced Frames," 3rd Turkish Conference on Earthquake Engineering and Seismology, Dokuz Eylul University, Izmir, October 14-16, 2015.

Aksar, B., Dogru, S., Cakir, F., Shen, J., Akbas, B., "Merkezi Çaprazlı Çerçevelerde Dayanım Farklılığı Sonucu Oluşan Burulma Etkileri," 6ncı Çelik Yapılar Sempozyumu, Eskişehir, 15-17 Ekim 2015.

Dogru, S., Aksar, B., Akbas, B., Shen, J., Doran, B., "Çelik Çaprazlı Çerçevelerde Farklı Performans Seviyeleri İçin Sismik Enerji İstemleri," 6ncı Çelik Yapılar Sempozyumu, Eskişehir, 15-17 Ekim 2015.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Doran, B., "Merkezi Çaprazlı Çerçevelerde Arttırılmış Deprem Etkileri," 6ncı Çelik Yapılar Sempozyumu, Eskişehir, 15-17; Ekim 2015.

Cakir, F., Kaya, E.S., Aksar, B., Shen, J., Seker, O., Akbas, B., "Merkezi Çaprazlı Çerçevelerde Çapraz Elemanlarda Sayısal Modelleme Teknikleri," 6ncı Çelik Yapılar Sempozyumu, Eskişehir, 15-17 Ekim 2015.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Seker, O., Wen, R., "Seismic Energy Demands in Steel Moment Frames," ACE 2015, 2nd International Symposium on Advances in Civil and Infrastructure Engineering, Vietri sul Mare, Italy, 12-13 June 2015.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Seker, O., Wen, R., "Amplified Seismic Loads in Steel Moment Frames," ACE 2015, 2nd International Symposium on Advances in Civil and Infrastructure Engineering, Vietri sul Mare, Italy, 12-13 June 2015.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Doran, B., "Amplified Seismic Load Effects for Collapse Prevention Performance Level in Steel Moment Frames," Eight National Conference on Earthquake Engineering, 11 May-14 May 2015, Istanbul, Turkey.

Dogru, S., Aksar, B., Akbas, B., Shen, J., Doran, B., "Multi-Level Seismic Energy Demands in Steel Moment Frames," Eight National Conference on Earthquake Engineering, 11 May-14 May 2015, Istanbul, Turkey.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Seker, O., Wen, R., "Amplified Seismic Loads in Steel Moment Frames," Nordic Steel Conference 2015, Tampere, Finland, 23-25 September 2015.

Uckan E, Tanircan G., Demircioglu M., Alçık H., Cakir F., Akbas B., Akşar B., "Ongoing Studies on Ephesus Ancient Theatre within the Scope of Safeguarding Cultural Heritage through Technical and Organizational Resources Management (STORM) Project", 16th European Conference on Earthquake Engineering , Greece, 2018.

Journal Article

Dogru, S., **Aksar, B.**, Akbas, B., Shen, J., "Parametric Study on Energy Demands for Special Steel Concentrically Braced Frames," Steel and Composite Structures, an International Journal, Vol. 24, No. 2, June, 2017.

Ozdemir, M.A., Kaya, E.S., **Aksar, B.**, Seker, B.S., Cakir, F., Uckan, E., Akbas, B., "Seismic Vulnerability of Masonry Jack Arch Slabs," Engineering Failure Analysis, Vol. 77, pp. 146-159, 2017.

Aksar, B., Dogru, S., Akbas, B., "Çelik Moment Çerçevesinde Kuvvetli Deprem Yer Hareketi Altında Arttırılmış Deprem Etkileri," Journal of the Faculty of Engineering and Architecture of Gazi University, Vol. 33, No. 2, 146-159, 2018.

Aksar, B., Kaya, E.S., Cakir, F., Akbas, B., "Effect of Torsion in Concentrically Braced Frames due to Variation in Strength -Merkezi Çaprazlı Çerçevesinde Dayanım Farklılığı Sonucu Oluşan Burulma Etkileri," Gazi Üniversitesi Mühendislik-Mimarlık Fakültesi Dergisi, Vol. 33, No. 1, 13-30, 2018.

Aksar, B., Dogru, S., Akbas, B., Shen, J., Seker, O., Wen, R., "Amplified Seismic Loads in Steel Moment Frames," Applied Mechanics and Materials, Vol. 847, pp. 222-232, 2016.

Dogru, S., **Aksar, B.**, Akbas, B., Shen, J., Seker, O., Wen, R., "Seismic Energy Demands in Steel Moment Frames," Applied Mechanics and Materials, Vol. 847, pp. 210-221, 2016.

Akbas, B., **Aksar, B.**, Doran, B., and Alacalı S., "Hysteretic Energy to Energy Input Ratio Spectrum in Nonlinear Systems," Journal of Science and Engineering, Vol. 18, No. 2, Issue 53, 2016.

Akbas, B., Doran, B., Alacalı, S.N., **Aksar, B.**, "Estimating Stiffness Modification Factor for the Coupling Beam of Coupled Shear Walls Using a Neural Network Model," Karaelmas Science and Engineering Journal, 2016.