

ÖZGEÇMİŞ

1. **Adı, Soyadı:** :ONUR ŞEKER
2. **Doğum Tarihi:**
3. **Ünvanı** :Öğ.Gör.
4. **Öğrenim Durumu** :

Derece	Alan	Üniversite	Yıl
	Civil Engineer (Structural Engineer)	Iowa State University	2016
5) Akademik Ünvanlar			
Öğ.Gör.	Civil Engineering	MEF	2017
Dr.	Civil, Construction and Environmental Engineering	Iowa State University	2016
Arş.Gör.	Civil Engineering	Yıldız Technical University	2010
6) Yönetilen, destek olunan Yüksek Lisans ve Doktora Tezleri			
6.1 Yüksek Lisans			
	Evaluation of Story Drifts in Steel Moment Resisting Frames	Yıldız Technical University	2011
6.2 Doktora			
	Development of buckling-controlled braced frames for seismic design of steel buildings	Iowa State University	2016
7) Yayınlar			
7.1 Uluslar arası Hakemli Dergilerde Yayımlanan Makaleler			
	Shen J., Seker O., Akbas B., Seker P.T., Momenzadeh S., Faytarouni M., "Seismic Performance of Concentrically Braced Frames with and without Brace Buckling" Engineering Structures 141 (2017) 461–481. http://dx.doi.org/10.1016/j.engstruct.2017.03.043		2017
	Momenzadeh, S., Seker, O., Faytarouni M., Shen, J., "Seismic Performance of All-Steel Buckling-Controlled Braces with Various Cross-Sections." Journal of Constructional Steel Research 139 (2017) 44–61.		2017
	Seker, O., Akbas, B., Seker, P.T., Faytarouni, M., Shen, J., Mahamid, M., "Three-segment Steel Brace for Seismic Design of Concentrically Braced Frames." Journal of Constructional Steel Research 137 (2017) 211–227. http://dx.doi.org/10.1016/j.jcsr.2017.06.035		2017
	Şeker, O. and Shen, J., "Developing an All-Steel Buckling Controlled Brace." Journal of Constructional Steel Research 131 (2017) 94–109.		2017
	Shen, J., Şeker, O., Sutchiewcham, N., and Akbas, B., "Cyclic Behavior of Buckling-Controlled Braces." Journal of Constructional Steel Research 121 (2016) 110–125.		2016
	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.		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.		2016
	Shen, J., Wen, R., Akbas, B., Şeker, O., Uckan, E., "Near-collapse behavior of steel buildings with non-ductile concentrically braced frames." Journal of Constructional Steel Research 113 (2015) 101–114.		2015
	Wen, R., Şeker, O., Akbas, B., Shen, J., "Comparative Seismic Designs of Special Concentrically Braced Frame using AISC 341-05 and AISC 341-10." Practice Periodical on Structural Design and Construction (2015).		2015
	Shen, J., Akbas, B., Şeker, O., Doran, B., Wen, R., Uckan, E., "Seismic Axial Loads in Steel Moment Resisting Frames." International Journal of Steel Structures 06/2015; 15(2).		2015
	Akbas, B., Doran, B., Sabol, T. A., Şeker, O., Toru, P., Shen, J., "Effect of Various Span Lengths on Seismic Demand on Column Splices in Steel Moment Frames." Engineering Structures 70 (2014) 94–105.		2014
	Şeker, O., Akbas, B., Shen, J. and Zafer Ozturk, A. (2014), "Evaluation of deflection amplification factor in steel moment-resisting frames." Structural Design of Tall and Special Buildings, 23: 897–928.		2014
7.2 Uluslar arası Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında (Proceedings) Basılan Bildiriler			
	Momenzadeh S., Şeker, O. and Shen, J., "Observed Seismic Demand on Columns in SCBFs" AEI National Conference, Oklahoma, USA, 2017		2017
	Aksar, B., Dogru, S., Akbas, B., Shen, J., Şeker, 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.		2015
	Aksar, B., Dogru, S., Akbas, B., Shen, J., Şeker, 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.		2015
	Uckan, E., Akbas, B., Shen, J., Wen, R., Şeker, O., Paolacci, F., Kaya, E., "Soil Effect on Response of Buried Steel Pipes at Strike-Slip Fault Crossings," Second European Conference on Earthquake Engineering and Seismology, Special Session: Seismic Assessment of Lifelines, Istanbul, August 25-29, 2014.		2014
	Wen, R., Akbaş, B., Doran, B., Uckan, E., Şeker, O., Seker, P., and Shen, J., "Comparative Seismic Designs of SCBF		2014

using AISC 341-05 and AISC 341-10," Tenth U.S. National Conference on Earth-quake; Engineering, Frontier of Earthquake Engineering, paper# 1485, Anchorage, Alaska, July 21-25, 2014.

Doran, B., Akbas, B., Senol, E., Şeker, O., "Nonlinear Static Analysis of Strengthened Existing R/C Frame Building Using Steel Braces," Vienna Congress on Recent Advances in Earthquake Engineering and Structural Dynamics, VEESD 2013, Paper No: 479, Vienna, Austria, 28-30 August, 2013. 2013

Akbas, B., Şeker, O., Shen, J., Sutchiewcharn, N., Wen, R., Sabol, T., Span Length Effect in Seis-mic Demand on Column Splices in Steel Moment Resisting Frames," 15th World Conference on Earthquake Engineering, Lisbon, Portugal, Paper no: 894, 2012. 2012

Akbas, B., Şeker, O., Shen, J., Sutchiewcharn, N., Ozturk, A.Z., "Inelastic Displacements in Steel Moment Resisting Frames under severe Earthquake Ground Motions," Nordic Steel Conference, Oslo, Norway, 5-7 September 2012. 2012

7.3 Yazılan Uluslar arası Kitaplar veya Kitaplarda Bölümler

7.4 Ulusal Hakemli Dergilerde Yayımlanan Makaleler

7.5 Ulusal Bilimsel Toplantılarda Sunulan ve Bildiri Kitabında Basılan Bildiriler

Cakir, F., Kaya, E.S., Shen, J., Şeker, O., Aksar, B., Akbaş, B., "Merkezi Çaprazlı Çerçevelerde Çapraz Elemanlarda Sismik Enerji Tüketme Talepleri ve Sayısal Modelleme Teknikleri." 6.Çelik Yapılar Sempozyumu, İstanbul, October 15-17, 2015. 2015

Akbaş, B., Shen, J., Şeker, O. And Toru, P., "Evaluation of Story Drifts in Steel Moment Resisting Frames," Seventh National Conference on Earthquake Engineering, İstanbul, May 31- June 3, 2011. 2011

7.6 Diğer Yayınlar

Shen, J., Şeker, O., Seker, P. T., Momenzadeh, S., "Improving Seismic Performance of Concentrically Braced Frames with Buckling-Controlled Braces" Technical Report to American Institute of Steel Con-struction (AISC), December 2015. 2015

8) Projeler

8. 1Uluslararası Projeler

8. 2Ulusal Projeler

TÜBİTAK – 2232 YURDA DÖNÜŞ
ARAŞTIRMA BURS PROGRAMI

Süneklik Düzeyi Yüksek Çelik Moment Çerçevelerin Sismik Performans Değerlendirilmesine Yeni Bir Bakış.

9) İdare Görevler

10) Bilimsel Kuruluşlara Üyelikler

Turkish Steel Construction Association (TUSCA)

11) Ödüller

Research Excellence Award consists of a letter of recommendation from the ISU President, a certificate of Excellence achievement signed by the Graduate Dean and the ISU President, and an honor cord to be worn at Award, commencement. Recipients are recognized at Commencement by the honor cord, and being cited in the ISU ISU Commencement Program. The award is also noted on the student's transcript. 2016

11) Son İki Yılda Vermiş Olduğu Lisans ve Lisans üstü Dersler

Akademik Yıl	Dönem	Ders Adı	Teorik	Uygulama	Öğrenci Sayısı
2016-2017	2	Earthquake-resistant Design of Steel Structures	3	0	20
2016-2017	2	Theory of Structures II	3	0	3
2017-2018	1	Design of Steel Structures	4	0	4
2017-2018	1	Calculus I	4	0	92
2016-2017	2	Computer-aided design	3	0	67
2016-2017	2	Reinforced Concrete I	3	0	109
2016-2017	2	Steel Structures	3	0	19