



Name Surname: Ayşe Berna Büyüksişli Aydöner

E-mail: berna.aydoner@gmail.com

Title: Assistant Professor

State of Education: PhD

Current Institution: -

[Date]	Degree(s) or Diploma(s) obtained
(2013)	Ph.D. Structural Engineering, Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.
(2004)	MSc. Structural Engineering, Mechanic Program, Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.
(2001)	BSc. Civil Engineering Faculty, Istanbul Kültür University, Istanbul, Turkey.

Academic Appointments

Assistant Professor (Date) : İstanbul Okan University, 2016-2020

Undergraduate Courses given at the İstanbul Okan University

Academic Year	Term	Course Name	Hours		Number of Students
			T	A	
2016-2017	Fall	ARCH211 Steel Structures in Architecture	2	2	65
		MIM211 Mimarlıkta Çelik Yapılar	2	2	117
		ARCH311 Concrete Structures	2	2	66
		MIM311 Betonarme Yapılar	2	2	25
	Spring	ARCH114 Statics and Strength of Materials	3	0	99
		MIM114 Statik ve Mukavemet	3	0	101

Academic Year	Term	Course Name	Hours		Number of Students
			T	A	
2017-2018	Fall	ARCH211 Steel Structures in Architecture	2	2	82
		MIM211 Mimarlıkta Çelik Yapılar	2	2	102
		ARCH311 Concrete Structures	2	2	59
		MIM311 Betonarme Yapılar	2	2	117
	Spring	ARCH114 Statics and Strength of Materials	3	0	99
		MIM114 Statik ve Mukavemet	3	0	101

Academic Year	Term	Course Name	Hours		Number of Students
			T	A	
2018-2019	Fall	ARCH211 Steel Structures in Architecture	2	2	78
		MIM211 Mimarlıkta Çelik Yapılar	2	2	81
		ARCH311 Concrete Structures	2	2	74
		MIM311 Betonarme Yapılar	2	2	84
	Spring	ARCH114 Statics and Strength of Materials	3	0	83
		MIM114 Statik ve Mukavemet	3	0	57

Graduate Courses given at the İstanbul Okan University

- ARCH619 Earthquake Resistant Building Design, Fall – Spring (2019-2020).
- MIM619 Depreme Dayanıklı Bina Tasarımı, Spring (2019-2020).

Undergraduate Courses Given in the Past Year

- Teaching compulsory "CE403 – Computing in Civil Engineering" Course at Department of Civil Engineering, Yeditepe University (Spring 2015).
- Teaching compulsory "CE231 – Engineering Mechanics: Statics" Course at Department of Civil Engineering, Yeditepe University (Fall 2015).
- Teaching compulsory "CE331 – Structural Analysis I" Course at Department of Civil Engineering, Yeditepe University (Fall 2015).
- Teaching compulsory "ARCH 232 – Strength of Materials" Application Course at Faculty of Architecture, Bilgi University, İstanbul (Spring 2016).

PUBLICATIONS

Thesis

- **Büyükşişli, A.B.**, Experimental and Theoretical Study on Cold-Formed Thin-Walled Steel Frame Wall Elements, Master of Science Thesis, *ITU Institute of Science and Technology*, 2004.
- **Aydöner, A.B.**, The Effects of Non- Linear Behaviours of Soil and Structure on the Earthquake Performance of Strengthened Buildings, PhD Thesis, *ITU Institute of Science and Technology*, 2013.

International Journals Papers (in SCI-Expanded)

- Orakdogen, E., Girgin, K., Boduroglu, M.H., **Buyuksisli, B.**, Gokce, T., Performance Evaluation of a Strengthened Building Considering the Soil-Structure Interaction, *Journal of Earthquake Engineering*, pp.222-233, Vol.12:1 (S2), January 1, 2008.

International Conference Papers

- Boduroğlu, M.H., Orakdoğan, E., Girgin, K., **Büyükşişli, B.**, Binbir, E., Design Guide of Low Disturbance Upgrading Methods, *LESSLOSS Final Workshop*, Lago Maggiore, 19-20 July, 2007, Italy.
- Orakdoğan, E., Girgin, K., Boduroğlu, M.H., **Büyükşişli, B.**, Gökçe, T., Performance Evaluation of a Strengthened Building Considering the Foundation Effects, *Proceedings of International Symposium on Earthquake Loss Estimation for Turkey*, pp.212-226, Istanbul, September 24-26, 2007.
- Techniques and Methods for Vulnerability Reduction, *Dissemination Workshop*, Istanbul, April 2007.

International Research Project Report

- Boduroğlu, H., Orakdoğan, E., Girgin, K., **Büyükşişli, B.**, Binbir, E., Guidelines for Seismic Vulnerability Reduction in the Urban Environment, Lessloss-Risk Mitigation for Earthquakes and Landslides, *LESSLOSS Report No. 2007/04*, Editor: André Plumier, Reviewer: Gian Michele Calvi, July, 2007.

International Book

- Yardımcı, N., **Aydöner, A.B.**, Gür'eş, H.Y., Yorgun, C., *Proceedings of the International Symposium "Steel Structures: Culture & Sustainability 2010,"* Türk Yapısal Çelik Derneği, ISBN: 978-975-92461-2-9, İstanbul, September, 2010.
- Yardımcı, N., **Aydöner, A.B.**, Gür'eş, H. Y., *Proceedings of the International Symposium "Steel Bridges: Innovation & New Challenges 2015"*, Türk Yapısal Çelik Derneği, ISBN: 978-605-65900-2-3, İstanbul, September, 2015.
- Veljkovic, M., Gür'eş, H.Y., Dehan, V., Haremza, C., **Aydöner, A.B.**, *Dissemination of Results from HISTWIN+ Project and Introduction in Design According to Eurocodes Proceedings*, European Convention for Constructional Steelwork (ECCS), Brussels, September, 2015.

- Batırbaygil, H., Gür'eş, H.Y., **Aydöner, A.B.**, “*European Steel Design Awards 2015*” Booklet, European Convention for Constructional Steelwork (ECCS), ISBN:978-975-92461-3-6, Brussels, September, 2015.

National Reports

- **Aydöner A.B.**, *Safe Buildings Roadmap-1 Report*, Türkiye İMSAD, ISBN: 978-605-63492-3-2, December 2013.
- *Yalova Steel Processing Center Feasibility Report*, Istanbul, September 7, 2012.

PROJECTS

- A European Integrated Project on Risk Mitigation for Earthquakes and Landslides (LESSLOSS): “Seismic Upgrading of Structures Using Conventional Methods” Project, İstanbul Teknik University. (Researcher). (2004-2007)
- EU grant project of “Cultural Sharing Through Constructional Steelwork Sector” within the context of “Development of Civil Society Dialog Between EU and Turkey”, Turkish Constructional Steelwork Association, TUCSA. (Vice Project Coordinator). (2008-2009)

ADMINISTRATIVE TASKS

- Turkish Constructional Steelwork Association /Structural Steel Education and Research Center, Technical Manager, (2008-2015)
- EU grant project of “Cultural Sharing Through Constructional Steelwork Sector” within the context of “Development of Civil Society Dialog Between EU and Turkey”, Vice Project Coordinator, (2008-2009)
- İstanbul Okan University, Faculty of Art, Design and Architecture, Architecture Department, Double Major Coordinator, (2016-.....)
- İstanbul Okan University, Architecture Graduate Programs Vice Coordinator, (2019-.....)

RESEARCH AREAS

- Structural Engineering
- Non-Linear Pushover Analysis
- Time History Analysis
- Performance Evaluations of Retrofitted Buildings
- Cold- Formed Steel Structures
- Reinforced Concrete Structures
- Soil-Structure Interaction Analysis and Non-Linear Effects of Foundation Systems

SOFTWARE KNOWLEDGE

- MS Office Programs
- Sap2000
- Etabs
- Sta4-cad
- Plaxis

INTERNATIONAL SYMPOSIUM & WORKSHOP ORGANIZATION COMMITTEE MEMBERSHIPS

- Organizing Committee Member, SSCS 2010, “International Symposium on Steel Structures: Cultures & Sustainability 2010” Istanbul, Turkey, 21-23 September 2010.
- Symposium Secretariat, SSCS 2010, “International Symposium on Steel Structures: Cultures & Sustainability 2010” Istanbul, Turkey, 21-23 September 2010.
- Organizing Committee Member, SBIC 2015, “8th International Symposium on Steel Bridges, Innovation & New Challenges”, Istanbul, Turkey, 14-16 September 2015.
- Symposium Scientific Secretariat, SBIC 2015, “8th International Symposium on Steel Bridges, Innovation & New Challenges”, Istanbul, Turkey, 14-16 September 2015.
- Organizing Committee Member, “Dissemination of Results from HISTWIN+ Project and Introduction in Design According to Eurocodes Workshop”, Istanbul, Turkey, 17-18 September 2015.

INTERNATIONAL TECHNICAL COMMITTEE MEMBERSHIPS

- Corresponding Member of ECCS (European Convention for Constructional Steelwork) TC13 Seismic Design Committee (2010 - 2015)
- Corresponding Member of ECCS AC 3 Bridge Committee (2014 - 2015)
- Member of ECCS DAAC 4 Design Awards & Architecture Committee (2014 - 2015)

NATIONAL TECHNICAL COMMITTEE MEMBERSHIPS

- TUCSA (Turkish Constructional Steelwork Association) TK 3 Fire Committee Member (2009 - 2015)
- TUCSA TK 7 Cold Formed Steel Structures Committee Member (2009 - 2015)
- TUCSA TK 9 Execution Steel Structures Committee Member (2009 - 2015)
- TUCSA TK 13 Seismic Design Committee Member (2009 - 2015)
- TSE CEN Steel Structures Mirror Technical Committee Member (2010 - 2015)
- TSE CEN Sustainability of Building Mirror Technical Committee Member (2010 -2015)

INTERNATIONAL JURY REPORTER

- Jury Reporter of ECCS European Steel Bridges Awards 2010, Istanbul, September 2010.
- Jury Reporter of ECCS European Steel Design Awards 2015, Istanbul, June 2015.

NATIONAL JURY REPORTER

- Jury Reporter of TUCSA National Steel Structures Awards 2014, Istanbul, April 2014.

ORGANIZED AND ATTENDED NATIONAL COURSES

- Design of Steel Structural Members Course, Karabuk, May 25-27, 2012.
- Design of Steel Structural Members Course, Istanbul, January 18-19 / 25-26, 2014.

ORGANIZED AND ATTENDED INTERNATIONAL COURSES

- Wind Towers, Design & Technological Features International Course, Istanbul, June 1-3, 2012.
- Design of Cold -Formed Steel Structures International Course Istanbul, January 11-12, 2013.
- Design of Cold-Formed Steel Structures International Course + Colloquium, Istanbul, March 26, 2013.
- Fire Design of Steel Structures International Course at Karabuk University, Iron & Steel Institute, September 17-18, 2013.
- Fire Design of Steel Structures International Course, Istanbul, September 20-21, 2013.
- International Seismic Design of Steel Structures Course, Istanbul, 31 May-01 June, 2014.
- Fire Design of Steel Structures International Course, Istanbul, May 29-30, 2015.

ATTENDED CONFERENCES & SEMINARS

- International Dissemination of Results from HISTWIN+ Project and Introduction in Design According to Eurocodes Workshop, Istanbul, Turkey, September 17-18, 2015.
- Fire Seminar on Architectural Design of Steel Structures, Istanbul, April 30, 2015.
- NASCC The Steel Conference, Nashville USA, March 25-27, 2015.
- 11th International Congress on Advances in Civil Engineering Istanbul, October 21-25, 2014.
- Istanbul Bridge Conference, Istanbul, 11-13 August 2014.
- Reinforced-Concrete Seminar, Istanbul, İMO, October 10, 2013.
- Steel Structures & Fire Panel, Karabuk University, September 16, 2013.
- AFAD Revision Turkish Earthquake Code Workshop, Istanbul, 20-22 June, 2013.
- The 3rd Joint Symposium Lessons Learned from Recent Earthquake and Strategies for Disaster Reduction with Izmit Bay Suspension Bridge & Gebze- Orhangazi-İzmir Motorway Project, ITU, May 17, 2013.
- Cold-Formed Steel Structures Workshop, March 26, 2013.
- 1st Structural Engineering Seminar, ODTU, Ankara, June 26, 2012.
- Steel Structures Seminar, Karabuk University, May 24, 2012.
- Wind Energy and Power Plants Seminar, Istanbul, May 27, 2011.
- Steel Structures Seminar & Panel, Ankara, February 21, 2011.

- Turkish Earthquake Code Training, Istanbul, Ministry of Public Works and Settlement, October 21-23, 2010.
- 6th National Seismic Engineering Conference, November 16-20, 2007.
- Theory and Practice of Soil Structure Interaction Symposium, Istanbul University, November 8-9, 2007.
- Structural Systems Analysis with SAP 2000, Istanbul, IMO, May 28-July 02, 2004.
- Steel Structures, Istanbul, IMO, November 3, 2003- January 26, 2004.

MEMBERSHIP OF PROFESSIONAL BODIES

- The Union of Chambers of Turkish Engineers and Architects (TMMOB-IMO)

AWARDS

- Graduation degree award, 2nd degree, Department of Civil Engineering, İKU, İstanbul.