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1. PERSONAL INFORMATION

Name Surname : **Nesrin YARDIMCI TIRYAKIOĞLU**
Date of birth : November 11, 1941
Title : Professor
Address : Yeditepe University
Faculty of Engineering-Civil Engineering Department,
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2. EDUCATION

Primary School	: Erenköy İlk Okulu	1949 - 1954
High School	: Erenköy Kız Lisesi	1954 - 1960
Grad School	: İstanbul Technical University, Faculty of Civil Engineering	1960 - 1966
Doctorate	: İstanbul Technical University Faculty of Civil Engineering	1980

3. ACADEMIC AND PROFESSIONAL EXPERIENCE

Profilo Holding A.Ş.	Civil Engineer MSc	1966 – 1969
General Directorate of State Hydraulic Work	Civil Engineer MSc	1969 – 1972
İstanbul Technical University	Research Assistant	January 1972
İstanbul Technical University, Faculty of Civil Engin.	Assist. Professor	March 1984
İstanbul Technical University, Faculty of Civil Engin.	Assoc. Professor	October, 1990
İstanbul Technical University, Faculty of Civil Engin.	Professor	April, 1996
Yeditepe University, Faculty of Engineering	Professor	September, 2008

4. PUBLICATIONS

4.1 Papers published in refereed international journals

1. **Yardımcı, N., Yorgun, C., Arda, T.S., 1996.** Tests on Beam-to-Column Strong and Weak Axis Connections, *Journal of the Computers and Structures*, 61- 3, 393-399.
2. **Arda, T.S., Yardımcı, N., Eyrekçi, O., 1996.** Rehabilitation of Two Floating Bridges-Turkey, *Structural Engineering International, Journal of the International Association for Bridge and Structural Engineering (IABSE)*, SEI 6-1, February, 17-18.
3. **Vatansever, C., Yardımcı, N., 2010.** Cyclic Behaviour and Numerical Modelling of a Semi-Rigid Frame, *Steel Construction Design and Research, Ernst & Sohn*, 3, September 2010, 128-133.
4. **Vatansever, C., Yardımcı, N., 2011.** Experimental Investigation of Thin Steel Plate Shear Walls with Different Infill-to-Bondary Frame Connections, *Steel and Composite Structures*, 11-3, 251-271.
5. **Aydın, R., Yüksel, E., Yardımcı, N., Kısa, M. H., Gökce,T., 2014.** In-plane Behaviour of Beam-to-Column Connections of Corrugated Web I-sections, *Journal of Constructional Steel Research*, 100(2014), 183-196.
6. **İnce, C., Derogar, S., Yardımcı, N., Toklu, C., 2015.** The Influence of Zeolite and Powdered Bayburt Stones on the Water Transport Kinetics and Mechanical Properties of Hydrated Lime Mortars, *Construction and Building Materials*, 98(2015), 345-352.
7. **Aydın, R., Yüksel, E., Yardımcı, N., Gökce,T., 2016.** Cyclic Behaviour of Diagonally Stiffened Beam-to-Column Connections of Corrugated-Web I Sections, *Engineering Structures*, 121(2016), 120-135.

4.2 Papers presented and published in proceedings at international scientific conventions

1. **Yardımcı, N., 1989.** Buckling of Thin-Walled Beams, *Developments in Mechanics, Proc. of Twenty-First Midwestern Mechanics Conference 15*, Michigan Technological University, Houghton, Michigan, August 13-16, 129-130.
2. **Yardımcı, N., 1991.** Buckling Loads and Design Consideration for Thin-Walled Beam-Columns, *Developments in Mechanics, Proc. of Twenty-Second Midwestern Mechanics Conference*, 16, University of Missouri-Rolla, Rolla, Missouri, October 6-9, 312-313.
3. **Arda, T.S., Yardımcı, N., Yorgun, C., Eyrekçi, O., 1995.** Semi-Rigid Behaviour of Welded Beam-to-Column Connections, *ICSAS 95, Proc. of Third International Conference on Steel and Aluminium Structures*, Boğaziçi University, 24-26 May, İstanbul, 433-440.
4. **Arda, T.S., Yardımcı, N., Eyrekçi, O., 1996.** Repair, Rehabilitation and Replacement of Galata Bridge on Golden-Horn, *Proc. of Third International Conference on Bridge Management*, University of Surrey, April 15th-17th, 108-115.
5. **Yardımcı, N., Yorgun, C., Arda, T.S., Eyrekçi, O., Bayramoğlu, G., 1996.** Tests on Full-Scale Steel Bolted Beam-to-Column Connections, *Structural Assessment The Role of*

- Large Scale and Full Scale Testing*, City University, London, Three Day International Seminar, 1-3 July.
6. **Yardımcı, N., Yorgun, C., Arda, T.S., Bayramoğlu, G., Eyrekçi, O., 1996.** Bolted Beam-to-Column Connections, *International Colloquium on Semi-Rigid Structural Connections*, IABSE, İstanbul, 25-27 September 43-51.
 7. **Yorgun, C., Yardımcı, N., Odabaşı, Y., 1999.** Rehabilitation of Pre-Fabricated Buildings After 1998 Adana Earthquake, ASEM'99, *The 1st International Conference on Advances in Structural Engineering & Mechanics*, Seoul, Korea, August 23-25.
 8. **Yorgun, C., Yardımcı, N., Bayramoğlu, G., Arda, T.S., 1999.** Investigation on Eccentrically Loaded Bolted Connections, *Proc. of Eurosteel'99, 2nd European Conference on Steel Structures*, Praha, May 26-29, 487-490.
 9. **Yorgun, C., Yardımcı, N., Bayramoğlu, G., Arda, T.S., 2000.** An Experimental Study on End-Plate Moment Connections, *International Conference on Steel Structures of 2000's*, 11-13 September, 89-94.
 10. **Büyüktaşkın, H.A., Yardımcı, N., 2002.** An Experimental Research on Serviceability and Ultimate Limit States of Simple Trapezoidal Corrugated Steel Sheets, *Advances in Civil Engineering, 5th International Congress*, 25-27 September, İstanbul, 481-487.
 11. **Karaman, G., Yardımcı, N., 2004.** Simplified Low Cycle Fatigue Tests of Beam to Column Connections, *10th Nordic Steel Construction Conference*, Copenhagen, Denmark, 7-9 June, 129-138.
 12. **Büyüktaşkın Arda, H.A., Büyüktaşkın, I., Yardımcı, N., 2004.** A Comparison Between the General and Design Principles for Members under Shear and Bending According to TS 4561 and Eurocode3, *10th Nordic Steel Construction Conference*, Copenhagen, Denmark, 7-9 June, 25-33.
 13. **Taşkın, K., Yüksel, E., Karadoğan, F., Yüce S.Z., Yardımcı, N., 2006.** Retrofitting of Precast Columns, *First European Conference on Earthquake Engineering and Seismology*, Geneva, Switzerland, 3-8 September 2006.
 14. **Vatansever, C., Yardımcı, N., 2007.** Numerical Investigation of Thin Steel Plate Shear Walls, *ECCOMAS Thematic Conference on Computational Methods in Structural Dynamics and Earthquake Engineering*, Rethymno, Crete, Greece, 13–16 June 2007.
 15. **Yardımcı, N., 2009.** Tevfik Seno Arda High School, *Advancement for Metal Building Congress 09*, 12-13 November, Helsinki (Invited Speaker).
 16. **Vatansever, C., Yardımcı, N., 2010.** “Cyclic Behavior And Numerical Modeling Of A Semi-Rigid Frame”, *International Symposium “Steel Structures: Culture & Sustainability 2010” 21-23 September 2010, Istanbul, Turkey 321-331.*
 17. **Vatansever, C., Yardımcı, N., 2010.** Determining The Slip Coefficient In Slip-Critical Connection By Experimental Methods, *International Symposium “Steel Structures: Culture & Sustainability 2010” 21-23 September 2010, Istanbul, Turkey 399-407.*
 18. **Taşkın, K., Yardımcı, N., Karadoğan, H.F, Yorgun, C., 2010.** Experimental And Analytical Study On Retrofitting RC Frames By Knee Bracing, *International Symposium*

“Steel Structures: Culture & Sustainability 2010” 21-23 September 2010, Istanbul, Turkey 291-301.

19. **Taşkın, K., Yardımcı, N., Karadoğan, H.F, Yorgun, C., Yüksel, E., 2010.** Experimental Work on Retrofitting of 1/3 Scale RC Frames with Simple Steel Braces, *Fourteenth European Conference on Earthquake Engineering, 30 August-03 September 2010, Ohrid, Republic of Macedonia, 880-888.*
20. **Vatansever, C., Yardımcı, N., 2012.** Seismic Performance of Code Designed Split-X Braced Frames, *Nordic Steel Construction Conference 2012, Oslo, Norway, 5-7 September 2012.*
21. **Taşkın, K., Yardımcı, N., Karadoğan, H.F, 2012.** Use of Special Bracing Systems in Reinforced Concrete Structures, *International Scientific Conference People Buildings and Environment 2012, 7.-9.11.2012, Lednice, Czech Republic.*
22. **Taşkın, K., Yardımcı, N., Karadoğan, H. F., 2014.** “Seismic Resistance of RC Buildings Using Steel Knee Braces”, *7th European Conference on Steel and Composite Structures, Eurosteel 2014, Napoli, Italy, September 10-12, 2014.*
23. **Ince, C., Karimi, M. R. B., Yardımcı, N., Derogar, S., Togay, A., , Söğütü, C., 2014.** Behaviour and Design of Cold-Formed Shear Wall Frames With and Without Fibre Cement Sheathing Panels, *11th International Congress on Advances in Civil Engineering, ACE 2014, 21-25 October 2014, Istanbul.*
24. **Aydın, R., Yüksel, E., Yardımcı, N., 2017.** Moment-Resisting Beam-to-Column Connections of Corrugated Web I Sections, *Eurosteel 2017, September 13–15, 2017, Copenhagen, Denmark.*

4.3 International book

1. **Yardımcı, N., Aydoğan, B., Gür’eş, H. Y., Yorgun, C., 2010.** Proceedings of the International Symposium “Steel Structures: Culture & Sustainability 2010”, Türk Yapısal Çelik Derneği, ISBN: 978-975-92461-2-9, İstanbul.
2. **Yardımcı, N., Aydoğan, B., Gür’eş, H. Y., 2015.** Proceedings of the International Symposium “Steel Bridges: Innovation & New Challenges 2015”, Türk Yapısal Çelik Derneği, ISBN: 978-605-65900-2-3, İstanbul.

4.4 Papers published in refereed national journals

1. **Yardımcı, N., 1988.** “Determining the Buckling Loads of Thin Walled I-Beams”, *ITU Journal*, 46- 4, 46-52.
2. **Yardımcı, N., Aşkar, G., 1989.** “Buckling of I-Cross Sectioned Thin Walled Columns”, *ITU Journal*, 47- 3, 74-79.
3. **Yardımcı, N., 1989.** “Local and Lateral Buckling of I-Beams”, *Bulletin of the Technical University of Istanbul*, 42- 4, 467-497.
4. **Aşkar, G., Yardımcı, N., 1990.** Interactive Buckling and Design Consideration for Thin-Walled Columns”, *Bulletin of the Technical University of Istanbul*, 43-2, 183-199.
5. **Yardımcı, N., 1990.** “Design of Beam-Columns in Terms of Buckling Loads”, *ITU Journal*, 48-1, 59-68.

6. **Yardımcı, N., 1990.** “Buckling of Beam-Columns under Uniformly Distributed Load and Axial Force”, *ITU Journal*, 48-2, 1-10.
7. **Yardımcı, N., 1994.** “Interaction of Axial Compression Load-Bending Moment in Buckling of Beam-Columns”, *ITU Journal*, 52- 3,4, 65-74.
8. **Yorgun, C., Yardımcı, N., Arda, T.S., 1994.** “Calculation of Load Carrying Capacity of Welded Semi-Rigid Beam-Column Connections by Eurocode 3”, *ITU Journal*, 52- 3,4, 49-56.
9. **Yardımcı, N., Yorgun, C., Arda, T.S., 1994.** “Calculation of Bolted Semi-Rigid Beam-to-Column Connections by Eurocode 3”, *ITU Journal*, 52-3,4, 75-83.
10. **Yardımcı, N., Yorgun, C., Arda, T.S., 1995.** “Semi-Rigid Welded Beam-to-Column Connections”, *Bulletin of the Technical University of Istanbul*, 48-3,4, 599-622.
11. **Yorgun, C., Yardımcı, N., Bayramoğlu, G., Arda, T.S., Eyrekçi, O., 1996.** “Bolted Beam-to-Column Connections Designed by Double Channels”, *Bulletin of the Technical University of Istanbul*, 49-3,4, 337-349.
12. **Vatansever, C., Yardımcı, N., 2009.** “Behaviour of a Semi-Rigid Beam-Column Connection of Thin Steel Plate Shear Walls under Reversed Cyclic Loads”, *ITU Journal/d.* 8-5, 129-140.
13. **Taşkın, K., Yardımcı, N., Karadoğan, H.F., 2012.** “Special Knee Bracing Systems for Retrofitting RC buildings for Earthquakes”, *ITUJournal / d.*

4.5 Other national papers

1. **Türkman, N., 1980.** Local and Lateral Buckling of I-Beams, *Ph. D. Thesis*, İ.T.Ü. Müh.-Mim. Fakültesi Matbaası.
2. **Arda, T.S., Yardımcı, N., 1991.** Plastic Analysis of Composite Structural Elements, Kurtiş Matbaası, İstanbul.
3. **Kumbasar, N., Pala, S., Aydoğan, M., Altan, M., Yardımcı, N., Yıldırım, H., 1992.** Numerical Analysis and Computer Programming, T.M.M.O.B. İnşaat Mühendisleri Odası, İstanbul.
4. **Arda, T.S., Yardımcı, N., 1995.** Fire Resistance of Steel Structural Elementns, Akbasım Matbaacılık, İstanbul.
5. **Yardımcı, N., Vatansever, C., 2002.** Plastic Design of Steel Structures, *Dünya İnşaat*, 202-03, 87-91.
6. **Yardımcı, N., Yorgun, C., 2002.** Semi-Rigid Connections in EC3, *Dünya İnşaat*, 202-09, 88-90.
7. **Yardımcı, N., 2005.** Design of Steel Structures and Design Methods, *Türkiye Mühendislik Haberleri*, 2005-1, 46-50.
8. **Yardımcı, N., 2006.** Design of Steel Structures and Design Methods, *Dünya İnşaat*, Kasım 2006, 123-127.

4.6 Papers presented and published in proceedings at national scientific conventions

1. **Yardımcı, N., Aşkar, G., 1989.** “Design of I-Cross Sectioned Thin Walled Columns Considering Interaction Buckling”, *Vlth National Congress of Mechanics*, Sept.11-15, Kirazlıyayla, II, 718-728.
2. **Arda, T.S., Yardımcı, N., 1989.** “Pre-stressed Steel Structures”, *4th Steel Structures Seminar*, 2, 27 November-2 December, İstanbul, 35-121.
3. **Odabaşı, Y., Aşkar, G., Yardımcı, N., 1989.** “Repair and Strengthening of Structures”, *4th Steel Structures Seminar*, 2, 27 November-2 December, İstanbul, 123-148.
4. **Yardımcı, N., Yorgun, C., Arda, T.S., 1995.** “An Experimental Study on Semi-Rigid Behaviours of Welded Beam-Column Connections”, *IXth National Congress of Mechanics*, Ürgüp, Sept. 4-8, 748-757.
5. **Yorgun, C., Yardımcı, N., Arda, T.S., 1995.** “Load Carrying Capacity of Steel Concrete Composite Floor Plates”, *IXth National Congress of Mechanics*, Ürgüp, Sept. 4-8, 827-836.
6. **Yorgun, C., Yardımcı, N., 1999.** “Semi-Rigid Connections and Frames in Eurocode 3”, *Turkish Civil Engineering XVth Technical Congress and Exhibition Proceedings Book*, Nov. 24-25-26, Ankara, 399-414.
7. **Peker, K., Yardımcı, N., 2005.** “Retrofitting of Reinforced Concrete Frames with Braced Steel Shear Walls”, *Steel Structures Symposium*, Ankara, Turkey, Apr. 21-22, 1-12.
8. **Vatansever, C., Yardımcı, N., 2005.** “Analytical Study of Thin Steel Plate Shear Walled Frames”, *Steel Structures Symposium*, Ankara, Turkey, Apr., 113-126.
9. **Karaman, G., Yardımcı, N., 2005.** “Unstiffened Welded Beam-Column Connections Behaviour under Static Loads”, *Steel Structures Symposium*, Ankara, Turkey, Apr., 143-152.
10. **Taşkın, K., Yardımcı, N., Karadoğan, F., 2007.** “Retrofitting of Reinforced Concrete Frames by Steel Braced Systems”, *2nd Steel Structures National Symposium*, Eskişehir, May 10-11, 2007, 150-162.
11. **Vatansever, C., Yardımcı, N., 2007.** “Analytical Study of a Thin Steel Plate Shear Wall Under Increasing Horizontal Loads”, *2nd Steel Structures National Symposium*, Eskişehir, May 10-11, 2007, 17-28.
12. **Vatansever, C., Yardımcı, N., Avşar, Ö., Aydar, U., Şeker, D. Z., 2007.** “Determination of Outer Plane Movements of the Plate in a Thin Steel Plate Shear Wall by Photogrammetry”, *Turkish National Association of Photogrammetry and Remote Sensing IV Symposium*, ITU Ayazağa Campus, June5-7, 2007.
13. **Vatansever, C. and Yardımcı, N., 2007.** “Analytical Study of a Thin Steel Plate Shear Wall under Increasing Horizontal Loads”, *Sixth National Earthquake Engineering Conference*, İstanbul, Oct. 16-20, 585-594.
14. **Vatansever, C., Yardımcı, N., 2009.** “Cyclic Behavior and Experimental Investigation of A Thin Steel Plate Shear Wall”, *3rd National Steel Structures Symposium*, Gaziantep, October 8-10, 165-175.
15. **Vatansever, C., Yardımcı, N., 2011.** “Cyclic Behavior of Thin Steel Plate Shear Walls with Different Web Plate-To-Boundary Frame Connection”, *7th National Earthquake Engineering Conference*, İstanbul, May 30th-June 3rd.
16. **Aydın, R., Yüksel, E., Yardımcı, N., 2016.** Behaviour of a Beam-to-Column Connection of Thin Sinusoidally Corrugated Web I Sections, *Prof. Dr. M. Hasan Boduroğlu Symposium*, İstanbul May 9-10, 2016, 139-152.

4.7 Other publications

1. **Türkman, N., 1980.** “Local and Lateral Buckling of I-Beams”, *PhD Thesis*, Istanbul Technical University, Architecture and Engineering Faculty Press.
2. **Arda, T.S., Yardımcı, N., 1991.** “Plastic Calculation of Composite Elements in Steel Construction”, Kurtiş Press, İstanbul.
3. **Kumbasar, N., Pala, S., Aydoğan, M., Altan, M., Yardımcı, N., Yıldırım, H., 1992.** “Numerical Analysis Using Computer Softwares”, TMMOB Civil Engineers Chamber, İstanbul.
4. **Arda, T.S., Yardımcı, N., 1995.** "Fire Resistance of Steel Construction Elements", Akbasım Publishing, İstanbul.

4.8 Research projects

1. “An Experimental Study on Behavior of Steel Beam-Column Connections under Cyclic Loading” ITU BAP Research Project, 2010.
2. “Behaviour of Weak Axis Beam-to-Column Steel Connections Under Cyclic Loading” TÜBİTAK Project, 104 M 561, 2006.
3. “Eccentric Braces in Retrofitting Against Earthquakes” TÜBİTAK Project, 106 M 045 2009.
4. “Behaviour of Weak Axis Beam-to-Column Steel Connections under Cyclic Loading” ITU BAP Research Project, 2009.
5. “Rehabilitation of Steel and Reinforced Concrete Structures by Replaceable Eccentric Braces”, ITU BAP Research Project, 2010.

5. EDUCATIONAL CONTRIBUTIONS

5.1 Courses offered

- **Undergraduate:**

Turkish: Steel Structures I, Steel Structures II, Design of Steel Structures, Timber Structures, Structural Engineering, Reinforced Concrete and Steel Structures, Mechanic-Statics, Strength of Materials, Linear Algebra, Numerical Analysis, Graduation Project.

English: Calculus I, Calculus II, Building Statics, Engineering Mechanics I: Statics, Strength of Materials, Design Fundamentals for Steel Structures, Steel Structures.

- **Graduate:**

Turkish: Pre-stressed Steel Structures, Semi-Rigid Connections in Steel Structures.

English: Plastic Design of Steel Structures.

5.2 Graduate theses

Supervised : 30 Master Theses and 5 PhD Theses.

External Referee : 71 Master Theses and 16 PhD Theses.

5.3 Educational Establishments

- **İstanbul Technical University:** Faculty of Civil Engineering, Faculty of Architecture and Engineering, Faculty of Mining, Faculty of Sakarya Architecture and Engineering, Faculty of Business Administration, Faculty of Aircraft and Aerospace Sciences, Institute of Science and Technology.
- **Yeditepe University:** Faculty of Engineering and Architecture-Civil Engineering and Architecture Departments.
- **Other Universities:** Sakarya State Architecture and Engineering Academy, Marmara University-School of Economics and Commercial Arts, İstanbul University- Faculty of Engineering.

6. GRADUATE THESES SUPERVISED

6.1 Master Theses

1. Eyrekçi, O., “Comparing Different Truss Systems Solutions in a Steel Roof with a Length/Width Ratio of 2”, İstanbul Technical University, Institute of Science and Technology, 1990.
2. Gençoğlu, M., “Cost Analysis for Multi-Storey Reinforced Concrete and Composite Structures”, İstanbul Technical University, Institute of Science and Technology, 1990.
3. Kiper, M., “Project for an Industrial Building with a Composite Mezzanine and a Crane”, İstanbul Technical University, Institute of Science and Technology, 1991.
4. Bulduk, A. T., “Cost Effective System Analysis for an Aerodrome Construction”, İstanbul Technical University, Institute of Science and Technology, 1994.
5. Görgülü, A. T., “Comparison of Steel and Composite Solutions in a Multi-Storey Building”, İstanbul Technical University, Institute of Science and Technology, 1996.
6. Aydın, Y., “Behaviour of Stainless Steel Tension Bars in Space Systems”, İstanbul Technical University, Institute of Science and Technology, 1996.
7. Meriçer, C., “An Experimental Study of a Special Type of Joint for Space Frame System Bars”, İstanbul Technical University, Institute of Science and Technology, 1997.
8. Büyüктаşkın, I., “Comparison of TS 4561, LRFD, and EC3 in Regard of General Principles and Shear Bending Calculations”, İstanbul Technical University, Institute of Science and Technology, 1998.
9. İmık, F., “Comparison of Costs and Weight of Reinforced Concrete and Composite Solutions for a Multi-Storey Structure”, İstanbul I Technical University, Institute of Science and Technology, 1999.
10. Varoğlu, H. S., “Various Solutions for Steel Structures under Seismic Loads”, İstanbul Technical University, Institute of Science and Technology, 2003.
11. Çoşkun, M.T., “Effect of Semi-Rigid Connection Types in the Design of Steel Frames”, İstanbul Technical University, Institute of Science and Technology, 2003.
12. Çatalkaya, H., “Effects of Various Braced Systems on Seismic Behaviour of a Multi-Storey Steel Structure”, İstanbul Technical University, Institute of Science and Technology, 2004.
13. Çaçur, İ., “Effects of the Number of Floors on Horizontal Load Carrying Systems of Multi-Storey Buildings”, İstanbul Technical University, Institute of Science and Technology, 2004.

14. Öztürk, M. Ö., “Study of the Module Height Effect on the Cost of Space Frame Systems”, İstanbul Technical University, Institute of Science and Technology, 2004.
15. Görücü, M. N., “Comparison of Turkish and British Work Health and Safety Inspection Systems”, İstanbul Technical University, Institute of Science and Technology, 2004.
16. Yüzereroğlu, İ. E., “Analysis of Steel Plate Shear Walls and Steel Braced Systems under Horizontal Loads”, İstanbul Technical University, Institute of Science and Technology, 2005.
17. Haydaroğlu, C., “Finite Element Analysis of Shear Walls Consisting of Thin Walled Steel Elements”, İstanbul Technical University, Institute of Science and Technology, 2005.
18. Akbaş, T. T., “Effects of Semi-Rigid Beam-to Column Connections on Structure Behaviour”, İstanbul Technical University, Institute of Science and Technology, 2005.
19. Özgül, S., “Code on Constructing Buildings in Disaster Zones-Comparison of Eurocode8 and TS648-Eurocode3 in Terms of General Principles and Calculation Methods”, İstanbul Technical University, Institute of Science and Technology, 2005.
20. Özarslan, Ö., “Comparison of the Section on Steel Buildings of 1998 and 2006 Turkish Earthquake Codes”, İstanbul Technical University, Institute of Science and Technology, 2006.
21. Aydın R., “Evaluation of the Section on Steel Buildings of 2006 Turkish Earthquake Code”, İstanbul Technical University, Institute of Science and Technology, 2007.
22. Yavuzarslan, T., “Comparison of 2007 Earthquake Code with 1998 Earthquake Code and Numerical Solutions”, İstanbul Technical University, Institute of Science and Technology, 2007.
23. Çelik M. C., “Comparative Connection Designs of UBC-97 and 2007 Earthquake Codes”, İstanbul Technical University, Institute of Science and Technology, 2007.
24. Parlakyiğit, M. K., “Analyses of an Existing Steel Building’s Structural Systems and its Connections in Terms of the Earthquake Code 2007”, İstanbul Technical University, Institute of Science and Technology, 2008.
25. Soydaş, M. C., “Considering Earthquake Performances of Steel Frame Systems by Various Methods”, İstanbul Technical University, Institute of Science and Technology, 2008.
26. Koçdağ, S., “Reinforcement of an Existing Steel Framed Industrial Building in terms of Earthquake Code 2007”, İstanbul Technical University, Institute of Science and Technology, 2008.
27. Sarıboğa, Y., “Analysis of Unstiffened Steel Plate Shear Walls Under Horizontal Loads”, İstanbul Technical University, Institute of Science and Technology, 2008.
28. Keçelioğlu, Ö., “Comparison of Multi-Storey Reinforced Concrete and Steel Buildings According to Earthquake Code 2007”, İstanbul Technical University, Institute of Science and Technology, 2008. İstanbul
29. Mungan, Ö., “Comparison of Steel Structural Systems in Single Span Industrial Buildings”, İstanbul Technical University, Institute of Science and Technology, 2009.
30. Külekçi, A., K., “Determining the Performance Levels of the Steel Frame Structures by Using Pushover Analysis”, İstanbul Technical University, Institute of Science and Technology, 2010.

6.2 PhD Theses

1. Büyüктаşkın, H. A., “An Experimental Study of Ultimate and Serviceability Limit States of Simple Trapezoidal Corrugated Steel Sheets”, İstanbul Technical University, Institute of Science and Technology, 2000.
2. Vatansever, C., “Cyclic Behaviour of Thin Steel Plate Shear Walls with Semi-Rigid Beam-to-Column Connections”, İstanbul Technical University, Institute of Science and Technology, 2008.
3. Peker, K., “Behaviour of Weak Axis Beam-to-Column Steel Connections under Cyclic Loading”, İstanbul Technical University, Institute of Science and Technology, 2009.
4. Taşkın, K., “Retrofitting Reinforced Concrete Frames by Special Knee Braces”, İstanbul Technical University, Institute of Science and Technology, 2011.
5. Aydın, R., “Performance of a Beam to Column Connection of Thin Walled Sinusoidally Corrugated Web I sections”, İstanbul Technical University, Institute of Science and Technology, 2014.

7. GRADUATE THESES EXTERNAL REFEREE

7.1 Master Theses

1. Sırıtoğlu, A., “Analyzing Single Storey Steel Industrial Structures in Earthquakes”, İstanbul Technical University, 1990.
2. Gürbüz, A., “Retrofitting and Repairing of Reinforced Concrete Structural Systems”, İstanbul Technical University, 1990.
3. Üstüner, U., “Weight and Cost Comparisons for Various Plane and Space Systems on an Area with Length/Width Ratio of 1.4”, İstanbul Technical University, 1990.
4. Çotuk, T., “Comparison of Elastic and Plastic Analysis Methods in Steel Structures”, İstanbul Technical University, 1991.
5. Tuncay, S., “Weight and Cost Comparisons for Various Plane and Space Systems on an Area with Length/Width Ratio of 2”, İstanbul Technical University, 1993.
6. Alpaslan, O. K., “Study for Improvement of Fire Resistance and Its Effect on the Cost of an Industrial Building”, İstanbul Technical University, 1994.
7. Sesigür, H., “Comparison of Composite and Steel Solutions for a Multi-Storey Car Park”, İstanbul Technical University, 1994.
8. Bahar, C., “Cost Effective System Study for a Market Hall”, İstanbul Technical University, 1995.
9. Menteşoğlu, Z., “Comparisons of Elastic and Plastic Analysis Methods for a Multi-Storey Steel Structure”, İstanbul Technical University, 1996.
10. Önal, T. O., “Structural Behaviour and Ultimate Strength Analysis of RC Coupled Shear Wall Structures” Boğaziçi University, 1996.
11. Özergül, D., “A Study on Determining the Cost Effective Axis System for a Certain Industrial Building Planned as Steel Construction”, İstanbul Technical University, 1996.
12. Saydar, İ., “Comparison of Steel and Composite Solutions for a Steel Framed Structure”, İstanbul Technical University, 1996.
13. Arda, H. A., “An Experimental Study of Hole Circumference Reinforcements in a Tension Pipe”, İstanbul Technical University, 1996.

14. Köse, İ., “Seismic Design of Steel Structures”, Boğaziçi University, 1996.
15. Burç, O. B., “Repair and Strengthening of Reinforced Concrete and Steel Mixed Structures”, Boğaziçi University, 1996.
16. Toker, İ. V., “Comparison of Steel and Composite Solutions for a Multi-Storey Structure”, İstanbul Technical University, 1996.
17. Erdoğan, E., “Behaviour of Aluminium Bars in Tension at Space Frame Systems”, İstanbul Technical University, 1996.
18. Karakuş, Y. S., “Investigation of an Economical System for a Market Hall”, İstanbul Technical University, 1997.
19. Peker, K., “Comparison of RC and RC Cored Composite Solutions for a Multi-Storey Structure”, İstanbul Technical University, 1998.
20. Ertarhanacı, M., “Comparison of Composite and Steel Structural Systems Solutions for a Shopping Centre”, İstanbul Technical University, 1998.
21. Yöntem, M., “Determining the Cost Effective Structural System in a Multi-Storey Building”, İstanbul Technical University, 1998.
22. Ay, Z., “Investigation of Cost Effective Solutions in Regard of Steel Materials in a Given Industrial Building”, İstanbul Technical University, 1988.
23. Ergin, E., “Semi-Rigid Connections in Steel Connections”, Boğaziçi University, 1998.
24. Öztoprak, B., “Comparison of Costs of Composite and Reinforced Concrete Prefabricated Frames for an Industrial Structure”, İstanbul Technical University, 1999.
25. Balcıoğlu, G., “Comparison of the New and the Old Codes on Constructing Buildings in Disaster Zones by an Application Project on a Multi-Storey Steel Structure”, İstanbul Technical University, 1999.
26. Doksatlı, S. M., “The Use of Cold-Formed Steel Sections in the Analysis and Design of a Building”, Boğaziçi University, 1999.
27. Argalı, S., “Determining the Best Cost Effective Structural System for an Industrial Building in the Local Conditions”, İstanbul Technical University, 1999.
28. Vatansever, C., “Comparison of 1998 and 1975 Dated ‘Codes of Construction in Disaster Zones’ Using a Multi-Storey Steel Structure as an Example”, İstanbul Technical University, 2000.
29. Gürel, S., “Comparison of Code of Construction in the Disaster Zones with Eurocode 8 for Steel Structures by a Practical Project”, İstanbul Technical University, 2000.
30. Yemez, K., “Effect of Rigidity and Fiber Reinforcement on the Reversed Cyclic Behaviour of Shear Stud Connections”, Boğaziçi University, 2000.
31. Ortaköylüoğlu, İ., “Nonlinear Structural Analysis and Retrofit of Semi-Rigidly Connected Steel Structures”, Boğaziçi University, 2000.
32. Çakal, E., “Seismic Evaluation of the Atatürk International Airport Terminal Building”, Boğaziçi University, 2000.
33. İleri, S., “Cold Formed Steel Framing in Residential Housings”, Boğaziçi University, 2000.
34. Aras, F., “Nonlinear Response Analysis of the Retrofitted Structures by Different Strategies”, Boğaziçi University, 2001.
35. Enünlü, A. K., “The Use of Steel Plate Shear Walls for Retrofitting of Reinforced Concrete Buildings”, Boğaziçi University, 2001.
36. Çeribaşı, S., “Influence of Bracing Elements on the Seismic Response of Multi-Storey Frames”, Boğaziçi University, 2001.

37. Süllü, V., “Nonlinear Structural Analysis and Design of Multi-Storey Buildings”, Boğaziçi University, 2001.
38. Eliri, A. Ö., “An Approximate Method for Calculation of Maximum Load of Semi-Rigid Frames”, Boğaziçi University, 2001.
39. Metinsoy, T., “Occupational Health and Safety Risks and Preventions in Construction Industry: A Case Study in Turkey”, Boğaziçi University, 2001.
40. Yıldırım, S. G., “Design Data in Light Gage Steel Structures for Industrialized Dwellings”, İstanbul Technical University, 2002.
41. Tartar, A., “Light Steel Construction Technology and Design Possibilities”, İstanbul Technical University, 2002.
42. Tezer, Ö., “The Effect of Reduced Beam Section on Elastic and Inelastic Behaviour of Steel Moment Frames”, İstanbul Technical University, 2002.
43. Temel, O. N., “Earthquake Effects on Historical Masonry Buildings in Üsküdar”, Boğaziçi University, 2003.
44. Doğu, A., “Wind Loads on Tall Buildings and Design Application”, Boğaziçi University, 2003.
45. Çelik, B., “Design Principles That Determine Ductility Levels of Frames Reinforced with Brace Elements in Steel Structures”, İstanbul Technical University, 2003.
46. Çıngı, F., “Determining the Plastic Rotation Capacity of Steel Beam-Column Connections”, İstanbul Technical University, 2004.
47. Demiral, Ö., “Dynamic Analyses of Thin Walled Structures”, İstanbul Technical University, 2004.
48. Parlak, İ. Y., “Adaptation of Standard 2-Dimensional Bar Ended Elements to High Temperature Analysis”, Gebze High Technology Institute, 2004.
49. Büyüksişli, B., “Experimental and Theoretical Study on Cold-Formed Thin-Walled Frame Wall Steel Elements”, İstanbul Technical University, Institute of Science and Technology” June 2004.
50. Demir, A., “Response Modification Factors for Moment Resisting and Eccentrically Braced Steel Frames”, Boğaziçi University, 2006.
51. Aktar, M., “Structural Identification of the Şehzade Mehmed Mosque Through Static and Dynamic Analysis”, Boğaziçi University, 2006.
52. Şen, B., “Modeling and Analysis of the Historical Masonry Structures”, Boğaziçi University, 2006.
53. Doğan, A., “Study of Design Principles for Concentric Braced Shear Walls in Terms of DBYBHY”, İstanbul Technical University, 2007.
54. Celep, D., “Carrying of Earthquake Loads in a Multi-Storey Steel Structure by Braces and Shear Walls”, İstanbul Technical University, 2007.
55. Simur, İ., “Designing Eccentrically Braced Steel Frame Systems in Terms of DBYBHY 2007”, İstanbul Technical University, 2007.
56. Tunçel, U., “Designing of Concentric Braced Steel Frame Systems in Terms of DBYBHY 2007”, İstanbul Technical University, 2007.
57. Ersöz, E., “Evaluation of Design Principles Stated in Turkish Earthquake Code for Horizontal Load Bearing Systems with High Ductility”, İstanbul Technical University, 2008.
58. Can, M., “Evaluation of Design Principles on Concentric Steel Braced Shear Walls with High Ductility Level”, İstanbul Technical University, 2008.

59. Ersin, E., “Seismic Evaluation of Existing Reinforced Concrete School Buildings with Japan Seismic Index Method” İstanbul Technical University, 2009.
60. Çakıroğlu, Ö., “Cost and Performance Comparisons Between Two Five Storey Reinforced Concrete and Steel Structures”, İstanbul Technical University, 2010.
61. Polat, Ö., O., “Comparison of Wind Loading of Structures by Using ASCE 7-05, Eurocode 1 and TS 498”, İstanbul Technical University, 2010.
62. Atalay, Y., “Evaluation of the Connections with Cold Formed Steel Elements According to the American and European Standards” İstanbul Technical University, 2011.
63. Tolan, B., “Evaluation of Turkish Standards Due to AISC 360-05 and 07-05 in Steel Structures Design”, İstanbul Technical University, 2011.
64. Çelik, C., “Comperatively Assesment of Beam-Column Members in Eurocode 3 and AISC 360-05 Standards”, İstanbul Technical University, 2011.
65. Gürses,P., “A Comparison of Wind Loads Acting on Structures by Means of Using Eurocode 1-4 and ASCE 7-05”, İstanbul Technical University, 2012.
66. Hatipoğlu. Y. S., “Improving the Mechanical Properties of Hydrated Lime and Cement Mortars Using Powdered Bayburt Stones and Zeolite”, Bayburt University, 2014.
67. Özlek, C., “A Comparison of Wind Loads Acting on Structures by Means of using ASCE 7-10; EUROCODE 1-4 and TS 498”, İstanbul Technical University, 2015.
68. Kayabekir, A., E., “Optimization Applications by Metaheuristic Algorithms in Structural Engineering”, İstanbul University, 2018.
69. Gözüsarı, K., “A Method for Predicting Axial Forces of Columns (VBEs) in Steel Plate Shear Walls”, İstanbul Technical University, 2018.
70. İldan, K. B., “Experimental Study on the Behavior of a Nineteen Parallel Wire Strand (PWS) in Suspension Bridges under Hydrocarbon Pool Fires”, Boğaziçi University, 2018.
71. Daniş, E., “Shear Strength of Reinforced Concrete Non-Slender Members Subjected to Point Loads”, Yeditepe University, 2019.

7.2 PhD Theses

1. Yorgun, C., “Behaviour and Ultimate Load Capacity at Positive Moment Zone for Steel-Concrete Composite Floor Plates Reinforced with Matted Steel”, İstanbul Technical University, 1992.
2. Mengene, N., “Study for Behaviour and Ultimate Load Capacity of Web Reinforced RC-Steel Composite Beams at Negative Moment Zone”, İstanbul Technical University, 1992.
3. Ay, Z., “Study of Free Vibrations and Dynamic Behaviour of Spatial Steel Space Structures Under Impulsive Loads”, İstanbul Technical University, 1993.
4. Açıklı, H., “Shuttering Floor and Roof Slab Production from Karapınar Volcanic Agregate (in accordance with TS 4047)”, Selçuk University, 1995.
5. Özakgöl, K., “Determining the Collapse Mechanisms and Ductility of Three Dimensional Steel Frames under the Effects of Three-Component Seismic Loads”, İstanbul Technical University, 2005.

6. Aytekin, M., “Static and Dynamic Analysis of Super Elliptical Plates”, Boğaziçi University, 2005.
7. Yemez, K., “Experimental Study on the Behaviour of an I-Beam to SHS-Column by T-Stub Bolted Connections”, Boğaziçi University, 2007.
8. Özhendekçi, D., “System Behaviour Coefficient and Ductility in Eccentrically Braced Steel Frames”, Yıldız Technical University, 2007.
9. Güneyisi, E. M., “Development of Fragility Curves for Seismic Vulnerability Assessment of High-Rise R/C Buildings with Added Viscous Dampers”, Boğaziçi University, 2007.
10. Şirin, S., “Influence of Ground Motion Parameters on Displacement Demand and Evaluation of Analysis Procedures for RC Frames with Friction Damper”, İstanbul Technical University, 2009.
11. Yıldırım, S. G. “Proposal of Semi Open Cold Formed Steel Framing System for Low Rise Residentials in Turkey”, İstanbul Technical University, 2010.
12. Metinsoy, T., “A Method of Evaluation of Relationship between the Safety Management and Overall Safety Performance in Construction Industry”, Boğaziçi University, 2010.
13. Oyuç, R.A., “An Adaptive 3-D Pushover Procedure for Determining the Capacity of Existing Irregular Reinforced Concrete Buildings”, İstanbul Technical University, 2011.
14. Büyükşişli B., "The Effects of Non-Linear Behaviours of Soil and Structure on the Earthquake Performance of Strengthened Buildings", İstanbul Technical University, 2013.
15. Saaed T.,E., “Structural Control and Identification of Civil Engineering Structures”, Lulea University, March 2015.
16. Akgönen A; “Behaviour of End-Plate Moment Connections Under Cyclic Loading”, İstanbul Technical University, 2015.

8. ACADEMIC ADMINISTRATIVE DUTIES

Istanbul Technical University

Faculty of Civil Engineering, Executive Board Member	1995-1996
Faculty of Civil Engineering, Executive Board Member	1998-2007
İstanbul Technical University Senate Member	2001-2007
Culture and Art Union Chair	1999-2002
Timber and Steel Structures Group Coordinator	2000-2007
Structural Engineering Graduate Program Coordinator	2002-2007

Yeditepe University

Faculty of Engineering and Architecture, Executive Board Member	2011-2014
Head of Civil Engineering Department	2012-(cont.)
Yeditepe University Senate Member	2015-2018

9. PROFESSIONAL WORK

- Ascertainment of damage, repair and retrofitting studies following 27.06.1998 Adana-Ceyhan, 17.08.1999 Kocaeli, 12.11.1999 Düzce and 03.02.2002 Afyon-Çay earthquakes in earthquake zones by groups made up İstanbul Technical University’s professionals.
- Various projects auditing and supervising studies.

10. SCIENTIFIC MEETINGS ORGANIZED

- 1st Steel Structures Seminar, September 26 – October 1, 1983
- 2nd Steel Structures Seminar, September 16 – 21, 1985
- 4th Steel Structures Seminar, November 27 – December 2, 1989
- International Conference on “Steel Structures of the 2000’s”, September 11-13, 2000.
- First FABED International Workshop on Challenges in Education, October 22-23, 2007.
- International Symposium, “Steel Structures: Culture & Sustainability 2010”, September 20-22, 2010.
- International Seminar, “Wind Energy and Power Plants” May 27, 2011.
- 8th International Symposium on “Steel Bridges: Innovation & New Challenges 2015”, 14-16 September 2015.

11. SCIENTIFIC BOARD MEMBERSHIPS

- International Conference, “Steel Structures of the 2000’s”, September 11-13, 2000.
- International Symposium, “Steel Structures: Culture & Sustainability 2010-SSCS 2010”, September 20-22, 2010.
- 2. National Steel Structures Symposium, Eskişehir, May 10-11, 2007.
- 3. National Steel Structures Symposium, Gaziantep, September 8-10, 2009.
- 6. National Earthquake Engineering Conference, İstanbul, October 16-20, 2009.
- 7. National Earthquake Engineering Conference, İstanbul, May 30-June 3, 2011.
- 4. National Steel Structures Symposium, İstanbul, October 24-26, 2011.
- Nordic Steel Construction Conference 2012, Oslo, Norway, September 5-7, 2012.
- 5. National Steel Structures Symposium, İstanbul, 13-15 Kasım 2013.
- PROHITECH-2nd International Conference on Protection of Historical Constructions in Antalya, May 7-9, 2014.
- 8th International Symposium on Steel Bridges “Steel Bridges: Innovation & New Challenges 2015- SBIC 2015”, 14-16 September 2015.
- 8. National Earthquake Engineering Conference, İstanbul, May 11-14, 2015.
- The International Colloquium on Stability and Ductility of Steel Structures–SDSS 2016, Timisoara, Romania, 30 May – 01 June 2016.
- XIII International Conference on Metal Structures-ICMS'2016, Zielona Gora, Poland, 15-17 June 2016.
- Prof. Dr. Hasan Boduroğlu Symposium, İMO-TDV, İstanbul, 12-13 May 2016.
- “SBE16 Smart Metropolises” Conference, İstanbul, 13-15 October 2016.
- 7. International Steel Structures Symposium, Gaziantep 26-28 October 2017.
- 9th International Symposium on Steel Bridges. Prague, 10-11 September 2018.

- International Colloquium on Stability and Ductility of Steel Structures, Prague, 10-13 September 2019.

12. SEMINARS OFFERED

Chamber of Civil Engineers - Professional Training Seminars
 Chamber of Architects - Continuous Professional Development Center Seminars
 Turkish Constructional Steelwork Association -Training & Promotion Seminars

Main Seminar Titles:

- Design of Steel Construction Elements
- Analysis and Design of Industrial Steel Structures
- Design of Steel Structural Systems
- Steel Structure Design by Plastic Theory
- Semi-Rigid Connections in Steel Structures
- Lateral Torsional Buckling of Beams
- Stability Braces in Steel Structures
- Load and Resistance Factor Design of Steel Structures

14. PROFESSIONAL AFFILIATIONS

- Chamber of Civil Engineers
- Turkish Constructional Steelworks Association
(Executive Board Chair) 2001-2016
- Constructional Steel Education and Research Center
(Executive Board Chair) 2003-2018.
- European Convention of Constructional Steelworks (ECCS)
(Executive Board Member) 2001-2018.
- ECCS 2008-2009 Vice President
- ECCS 2009-2010 President
- ECCS 2014-2015 President

15. AWARDS

- Success in profession prize on 21 April 2010 “for her contribution to Turkish Structural Steelwork Association and for being the president of ECCS” by Tuzla Rotary Club.
- ECCS Silver Medal on 18 September 2015 “in recognition for her outstanding commitment to ECCS” by ECCS.
- Selected by Erenköy High School Association as “one of the 102 Erenköy High School graduates who added so much to science, arts and culture on the 102. Anniversary of the school” on 5 October 2019.
- Nominated by ECCS Scientific Jury to receive “2019 Charles Massonnet Award” “for the work she has achieved among ECCS Technical and Executive Boards as an active member and the role ECCS President as twice” and approved on 16 April 2019 by ECCS Executive Board Members.