

BEKİR ÖZER AY, Ph.D.
Assistant Professor
Middle East Technical University
Department of Architecture
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PLACE OF WORK AND POSITION

- **Assistant Professor, Middle East Technical University**
Department of Architecture, New Building, Room: 404,
Üniversiteler Mah. Dumlupınar Blv., No: 1, 06800, Çankaya, Ankara, Turkey
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EDUCATION

- **Middle East Technical University (Ph.D.)** (2006–2012)
Department of Civil Engineering
- **Middle East Technical University (M.S.)** (2003–2006)
Department of Civil Engineering
- **Middle East Technical University (B.S.)** (2000–2003)
Department of Civil Engineering

EMPLOYMENT RECORD

- Department Vice Chair (November 2019 – continues), Middle East Technical University, Department of Architecture, Ankara, Turkey.
- Assistant Professor (March 2015 – continues), Middle East Technical University, Department of Architecture, Ankara, Turkey.
- Part-time Instructor (September 2014 – January, 2015), Middle East Technical University, Department of Architecture, Ankara, Turkey.
- Post-Doctoral Researcher (July 2013 – August 2014), EUCENTRE, Pavia, Italy.
- Researcher (November 2013 – May 2014), STREST –State-of-the-art and lessons learned, – Industrial Districts, EUCENTRE, Pavia, Italy.
- Part-time Instructor (September 2011 – July 2013), Middle East Technical University, Department of Architecture, Ankara, Turkey.
- Researcher (October 2011 – December 2012), Seismic Ground Motion Assessment – SIGMA, Middle East Technical University, Civil Engineering Department, Ankara, Turkey.
- Research Assistant (September 2007 – September 2011), Middle East Technical University, Civil Engineering Department, Ankara, Turkey.
- Researcher (February 2007 – November 2009), “Compilation of Turkish Strong-motion Network According to the International Standards” with an award no. 105G016 granted by The Scientific and Technological Research Council of Turkey, Middle East Technical University, Civil Engineering Department, Ankara, Turkey.
- Researcher (August 2005 – July 2006), “Seismic Vulnerability Assessment of Low-Rise and Mid-Rise RC Frame Buildings in Turkey” with an award no. 104M565 granted by The Scientific and Technological Research Council of Turkey, Middle East Technical University, Civil Engineering Department, Ankara, Turkey.

PUBLICATIONS

Articles Published in SCI / SCI-E / AHCI Journals

- J8. Ilgın, H.E., Ay, B.Ö., Günel, M.H., (2020), A study on Main Architectural and Structural Design Considerations of Contemporary Supertall Buildings, doi: 10.1080/00038628.2020.1753010.
- J7. Soysal, F., Ay, B.Ö. and Arıcı, Y., (2019), An Investigation of the Ground Motion Scaling Procedures for the Nonlinear Seismic Analyses of Concrete Gravity Dams, Journal of Earthquake Engineering, Vol. 23 (6), 930–953.
- J6. Ay, B. Ö., Fox, M. J., and Sullivan, T. J. (2017), Technical Note: Practical Challenges Facing the Selection of Conditional Spectrum-Compatible Accelerograms, Journal of Earthquake Engineering, Vol. 21 (1), 169–180.
- J5. Ay, B.Ö. and Akkar, S. (2014), Evaluation of a recently proposed record selection and scaling procedure for low-rise to mid-rise reinforced concrete buildings and its use for probabilistic risk assessment studies, Earthquake Engineering and Structural Dynamics, Vol. 43 (6), 889–908.
- J4. Akkar, S., Sandıkkaya, M.A. and Ay, B.Ö. (2014), Compatible ground-motion prediction equations for damping scaling factors and vertical-to-horizontal spectral amplitude ratios for the broader Europe region, Bulletin of Earthquake Engineering, Vol. 12 (1), 517–547.
- J3. Akkar, S., Sandıkkaya, M.A., Şenyurt, M., Azari Sisi, A., Ay, B.Ö., Traversa, P., Douglas, J., Cotton, F., Luzi, L., Hernandez, B. and Godey, S. (2014), Reference database for seismic ground-motion in Europe (RESORCE), Bulletin of Earthquake Engineering, Vol. 12 (1), 311–339.
- J2. Ay, B.Ö. and Akkar, S. (2012), A Procedure on Ground Motion Selection and Scaling for Nonlinear Response of Simple Structural Systems, Earthquake Engineering and Structural Dynamics, Vol. 41 (12), 1693–1707.
- J1. Ay, B.Ö. and Erberik, M.A. (2008), Vulnerability of Turkish Low-Rise and Mid-Rise Reinforced Concrete Frame Structures, Journal of Earthquake Engineering, Vol. 12 (S2), 2–11.

Refereed Conference /Congress / Symposium Publications in Proceedings

- C25. Akdede, N., Ay, B.Ö., (2019), Architectural Design Criteria Framework for Temporary Residential Settlements: Earthquake Victims and Refugees, European Network for Housing Research ENHR2019, August 2019, Athens, Greece.
- C24. Fakioglu, B., Ay, B.Ö., (2019), Evaluation of the Effects of Service Core Reduction on Tall Building Structures, 4th World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, June 2019, Praha, Czech Republic.
- C23. Taşkın, G.N., Ay, B.Ö., (2019), A Comparative Study on Alternative Structural Systems of Twisting Tall Buildings, International Civil Engineering and Architecture Conference, April 2019 Trabzon, Turkey.
- C22. Aksu, Y., Ay, B.Ö., (2019), Aerodynamic Performance of Slender Tall Buildings with Wind Escape Floors: A Study on Optimum Structural System and Wind Escape Floor Arrangement, International Civil Engineering and Architecture Conference, April 2019 Trabzon, Turkey.
- C21. Fakioglu, B., Ay, B.Ö., (2019), Evaluation of The Effects of Service Core Reduction on Tall Building Structures, International Civil Engineering and Architecture Conference, April 2019 Trabzon, Turkey.

- C20. Bilgen, S., Ay, B.Ö., Sezer Uzol, N., Orbay Akcengiz, E., (2018), Investigation of Aerodynamic and Structural Features of Twisted Tall Buildings, 13th Advances in Civil Engineering Congress, September 2018, İzmir, Turkey.
- C19. Dener E., Ay, B.Ö., (2018), Evaluation of Structural Systems of TOKİ Houses in terms of Sustainability, International Symposium on Urbanization and Environmental Problems: Transition/Transformation/Authenticity, June 2018, Eskişehir, Turkey.
- C18. Ay, B.Ö., Kale, Ö., (2018), The Effects of Implementing Different Ground-motion Logic-tree Frameworks on Seismic Risk Assessment, 16th European Conference on Earthquake Engineering, June 2018, Thessaloniki, Greece.
- C17. Talas Soylu, G., Ay, B.Ö., (2018), İstanbul'da 2001-2016 Yılları Arası Üretilmiş Konut Stokunun Deprem Riski Bakımından Değerlendirilmesi, İstanbul 1. Konut Kurultayı, May 2018, İstanbul, Turkey.
- C16. Akdede, N., Ay, B.Ö., (2018), A Proposed Criteria Matrix for Decision Analysis of Post Disaster Temporary Accommodation Units, 2nd International Symposium on Natural Hazards and Disaster Management (ISHAD2018), May 2018, Sakarya, Turkey.
- C15. Soysal, F., Ay, B.Ö. and Arıcı, Y., (2017), Beton Ağırlık Barajlarının Doğrusal Olmayan Sismik Analizlerinde Kullanılan Yer Hareketi Seçme ve Ölçekleme Tekniklerinin İncelenmesi, 4. Uluslararası Deprem Mühendisliği ve Sismoloji Konferansı, Ekim 2017, Eskişehir, Turkey.
- C14. Soysal, F., Ay, B.Ö. and Arıcı, Y., (2017), Evaluation of the Ground Motion Scaling Procedures for Concrete Gravity Dams, Procedia Engineering, Vol. 199, 844–849.
- C13. Akdede, N. and Ay, B.Ö. (2017), (published abstract), Multi Criteria Decision Parameters in Evaluation of Temporary Housing Units, The 24th International Conference on Multiple Criteria Decision Making, July 2017, Ottawa, Canada.
- C12. Bilgen, S. and Ay, B.Ö. (2017), (published abstract), The Motivation Behind Designing and Constructing Twisted Tall Buildings, World Multidisciplinary Civil Engineering-Architecture-Urban Planning Symposium, June 2017, Prague, Czech Republic.
- C11. Orbay, E., Bilgen, S., Sezer-Uzol, N., Ay, B.Ö., and Ostovan, Y. (2017), Numerical and Experimental Investigation of Aerodynamic Loads for Tall Buildings with Prismatic and Twisted Forms, The International Conference on Wind Energy Harvesting, April 2017, Coimbra, Portugal.
- C10. Ay, B.Ö., Eroğlu Azak, T. and Erberik, M.A. (2016), Evaluation of Changing Building Characteristics in Turkey, 12th International Congress on Advances in Civil Engineering, September 2016, İstanbul, Turkey.
- C9. Ay, B.Ö., Pinho, R. and Crowley, H. (2015), Evaluation of Ground-motion Record Scaling and Selection Methods for Seismic Design and Assessment of Structures, 3rd Turkish Conference on Earthquake Engineering and Seismology, October 2015, İzmir, Turkey.
- C8. Eroğlu Azak T., Ay, B.Ö. and Akkar, S. (2014), A Statistical Study on Geometrical Properties of Turkish Reinforced Concrete Building Stock, 2nd European Conference on Earthquake Engineering and Seismology, August 2014, İstanbul, Turkey.
- C7. Ay, B.Ö. and Akkar, S. (2012), Scaling and Selection of Ground Motion Records for Nonlinear Response History Analysis of Structures, 15th World Conference on Earthquake Engineering, September 2012, Lisbon, Portugal.
- C6. Ay, B.Ö. and Akkar, S. (2010), Selecting and Scaling of Real Accelerograms, 14th European Conference on Earthquake Engineering, August 2010, Ohrid, Republic of Macedonia.
- C5. Ay, B.Ö. and Akkar, S. (2010), Selecting and Scaling of Real Accelerograms to Reduce the Scatter in Dynamic Response, 9th US National and 10th Canadian Conference on Earthquake Engineering: Reaching Beyond Borders, Toronto, Canada.

- C4. Erberik, M.A., Aldemir, A. and Ay, B.Ö. (2008), A Critique on the Turkish Earthquake Code Regulations Regarding Masonry Construction. 8th International Seminar on Structural Masonry, November 2008, İstanbul, Turkey.
- C3. Ay, B.Ö. and Akkar, S. (2008), A Simplified Procedure for Estimating the Inelastic Drift Demands on Frame Structures, 14th World Conference on Earthquake Engineering, October 2008, Beijing, China.
- C2. Ay, B.Ö. and Erberik, M.A. (2007), Türkiye’deki Az ve Orta Katlı Betonarme Yapıların Deprem Güvenliği Açısından İncelenmesi. 6th National Conference on Earthquake Engineering, October 2007, İstanbul, Turkey.
- C1. Ay, B.Ö., Erberik, M.A. and Akkar, S. (2006), Fragility Based Assessment of the Structural Deficiencies in Turkish RC Frame Structures, 1st European Conference on Earthquake Engineering and Seismology, September 2006, Geneva, Switzerland.

Research Reports

- R13. Stewart, J. et al., (Editors) (2020), Seismological and Engineering Effects of the M 7.0 Samos Island (Aegean Sea) Earthquake, Geotechnical Extreme Events Reconnaissance Association: Report GEER-069, National Science Foundation (NSF) Geotechnical Extreme Events Reconnaissance, doi.10.18118/G6H088.
- R12. Ay, B.Ö., (2020), Section 6.1 - Characteristics of the Building Stock in İzmir, The October 30, 2020 İzmir-Seferihisar Offshore (Samos) Earthquake (Mw=6.6) Reconnaissance Observations and Findings, Report No: METU/EERC 2020-03, EERC, Middle East Technical University, Ankara, Turkey.
- R11. Ay, B.Ö., Bilgen, S., Sezer Uzol, N., Orbay, E. (2019), Burgulu Yüksek Binaların Taşıyıcı Sistem ve Aerodinamik Özelliklerinin İncelenmesi, BAP-08-11-2016-064 Report, Middle East Technical University, Ankara, Turkey.
- R10. Ay, B.Ö., Akdede, N. (2017), Geçici barınma ünitelerinin çok ölçütlü karar analiz yöntemleri ile değerlendirilmesi, BAP-02-01-2017-001 Report, Middle East Technical University, Ankara, Turkey.
- R9. Ay, B.Ö., Eroğlu Azak, T. and Erberik, M.A. (2016), Deprem Tehlikesine Maruz Bina Envanterinin İstatistikî Yöntemler ile İncelenmesi, BAP-08-11-2016-027 Report, Middle East Technical University, Ankara, Turkey.
- R8. Akkar, S., Ay, B.Ö., Erberik M.A., Bal, İ.E., (2016), Güncellenmiş Türkiye Sismik Tehlike Haritasına Göre DASK Deprem Sigortası Fiyatlandırma Sisteminin Ön Değerlendirmesi - Deprem Hasar Modellemesi ve Analitik Altyapının Oluşturulması, Report of research project funded by Türkiye Deprem Vakfı (TDV), İstanbul, Turkey.
- R7. Ay, B.Ö. (2014), Evaluation of Ground-motion Record Scaling and Selection Methods for Seismic Design and Assessment of Structures, TUBITAK Post-Doctoral Research Report, EUCENTRE, Pavia, Italy.
- R6. Krausmann, E. (Editor), Ay, B.Ö., Crowley, H. (2014), STREST – Report on lessons learned from recent catastrophic events: WP2 – State-of-the-art and lessons learned, Chapter 7 – Industrial Districts, EUCENTRE, Pavia, Italy.
- R5. Yakut, A., Binici, B., Özcebe, G., Ay, B.Ö. and Akansel, V.H. (2012), Afet Riski Altındaki Alanların Dönüştürülmesi Hakkında Kanun Kapsamında Geliştirilen Riskli Yapı Tespit Yönetmeliği İçin Kalibrasyon ve Doğrulama Çalışmaları, Middle East Technical University, Ankara, Turkey.
- R4. Akkar, S., Sandıkkaya, M.A., Şenyurt, M., Ay, B.Ö. (2012), A Report on the Resource Strong-Motion Databank, 3rd Progress Report, EERC, Middle East Technical University, Ankara, Turkey.

- R3a. Özacar, A., Kaymakçı, N., Akkar, S., Azari, A., Sandıkkaya, A., Kale, Ö., Ay, B.Ö. (2011), Chapter 1 - Sismoteknik, Saha Gözlemleri ve Kuvvetli Yer Hareketi. 23 Ekim 2011 Mw7.2 Van Depremi Sismik ve Yapısal Hasara İlişkin Saha Gözlemleri, Report No: METU/EERC 2011-04, EERC, Middle East Technical University, Ankara, Turkey.
- R3b. Yakut, A., Binici, B., Canbay, E., Erberik, A., Sarıtaş, A., Aldemir, A., Demirel, İ.O., Erdil, B., Ay, B.Ö., Özçelik, R. (2011), Chapter 3 – Bina Hasarı. 23 Ekim 2011 Mw7.2 Van Depremi Sismik ve Yapısal Hasara İlişkin Saha Gözlemleri, Report No: METU/EERC 2011-04, EERC, Middle East Technical University, Ankara, Turkey.
- R2. Sandıkkaya, M.A., Kale, Ö., Sisi, A.A., Ay, B.Ö., Akkar, S., Çeken, U., Kuru, T., Apak, A., Kökbudak, D., Tepeuğur, E., Albayrak, H., Öz Saraç, V., Sezer, S., Şahin, C. (2011), Processed Mainshock Accelerometric Recordings of the 23 October 2011 Van Earthquake. Report No: METU/EERC 2011-02, EERC and AFAD, Middle East Technical University, Ankara, Turkey.
- R1. Akkar, S. and Ay, B.Ö. (2010), A Probability Based Seismic Loss Model Concerning the Common Concrete Buildings in Turkey, BAP Graduate Thesis Project, Graduate School of Natural and Applied Sciences, Middle East Technical University, Ankara, Turkey.

Dissertations

- D2. Ay, B.Ö., (2012). A Proposed Ground Motion Selection and Scaling Procedure for Structural Systems, Ph.D. Thesis, Middle East Technical University, Ankara, Turkey.
- D1. Ay, B.Ö., (2006). Fragility Based Assessment of Low-Rise and Mid-Rise Reinforced Concrete Frame Buildings in Turkey, M.S. Thesis, Middle East Technical University, Ankara, Turkey.

ACADEMIC SERVICES

University Courses Taught

- ARCH201 - Architectural Design I
Middle East Technical University, Department of Architecture
- ARCH231 - Architectural Engineering I: Statics and Strength of Materials
Middle East Technical University, Department of Architecture
- ARCH232 - Architectural Engineering II: Behavior and Analysis of Structures
Middle East Technical University, Department of Architecture
- ARCH331 - Structural Design in Architecture I
Middle East Technical University, Department of Architecture
- ARCH332 - Structural Design in Architecture II
Middle East Technical University, Department of Architecture
- BS533 - Building Design Form and Structure
Middle East Technical University, Building Science Graduate Program
- BS536 - Studies on Tall Buildings: Design Considerations
Middle East Technical University, Building Science Graduate Program
- BS719 - Experiments for Built Environment
Middle East Technical University, Building Science Graduate Program

Graduate Thesis Supervision - Completed

- A Statistical Study on the Harmonized Up-to-date Turkish Building Stock, M.S. thesis of Gizemnur Talas Soylu, Building Science Graduate Program, METU, 2019.
- Investigation of BIM Potentials on Seismic Resiliency of Drywall Systems during Earthquake, Co-supervisor: M. Koray Pekerçli, M.S. thesis of Damlanur İlipınar, Building Science Graduate Program, METU, 2019.
- A Comparative Study on Alternative Structural System Layouts of Twisted Tall Buildings, M.S. thesis of Gökçe Nihan Taşkın, Building Science Graduate Program, METU, 2019.
- Investigation of Aerodynamic and Structural Features of Twisted Tall Buildings, Co-supervisor: N. Sezer Uzol, M.S. thesis of Sinan Bilgen, Building Science Graduate Program, METU, 2019.
- A Study on the Preliminary Design of Tall Buildings: Investigating Structural Components, M.S. thesis of Gülçin Çamlıbel, Building Science Graduate Program, METU, 2019.
- Evaluation of the Effects of the Service Core Reduction on Tall Building Structures, M.S. thesis of Beste Fakioglu, Building Science Graduate Program, METU, 2019.
- Aerodynamic Performance of Tall Buildings: A Study on the Relation between Wind Escape and Outrigger Floors, M.S. thesis of Yeliz Aksu, Building Science Graduate Program, METU, 2018.
- Potentials and Limitations of Supertall Building Structural Systems (Co-supervisor), Supervisor: M. Halis Günel, Building Science Graduate Program, METU, 2018.
- Evaluation of Temporary Housing Units with Multi-criteria decision Making Methods, M.S. thesis of Nil Akdede, Building Science Graduate Program, METU, 2018.
- Investigation of Seismic Isolation Efficiency for Building Structures, (Co-supervisor), Supervisor: Ahmet Yakut, Earthquake Studies Graduate Program, METU, 2017.

Graduate Thesis Supervision - Ongoing

- A Study on the Relationship between the Lifespan of the Structural Systems of Tamm Buildings and their Environmental Impact, Ph.D. thesis of Beste Fakioglu, Building Science Graduate Program, METU.
- Form Generation Process for Tall Buildings via Aerodynamic Performance Assessment, Ph.D. thesis of Gökçe Nihan Taşkın, Building Science Graduate Program, METU.
- Aerodynamics of Wind Escape Floors on Tall Buildings, Ph.D. thesis of Yeliz Aksu, Building Science Graduate Program, METU.
- Evaluation of Structural System of a TOKİ House by Using Life Cycle Assessment, M.S. thesis of Ezgi Dener, Building Science Graduate Program, METU.
- Structural System and Form Relationship of Tunnel Form Mass Housing, M.S. thesis of Zeynep Şan, Building Science Graduate Program, METU.
- Fragility Based Assessment of Post 2000 Reinforced Concrete Buildings in Turkey, M.S. thesis of Arda Güray, Earthquake Studies Graduate Program, METU.
- Generation of a Design Parameter Guideline for Post Disaster Units, (Co-supervisor), Supervisor: İpek Gürsel Dino, Ph.D. thesis of Nil Akdede, Architecture Graduate Program, METU.
- Seismic Isolation in Steel and Reinforced Concrete Hybrid Structural Systems, (Co-supervisor), Supervisor: Uğurhan Akyüz, M.S. thesis of Evrim Can Özkuzucu, Earthquake Studies Graduate Program, METU.
- Fragility Assessment of High-rise Reinforced Concrete Buildings, (Co-supervisor), Supervisor: M. Altuğ Erberik, M.S. thesis of Ahmad Shahab Shakibani, Earthquake Studies Graduate Program, METU.

CITATIONS

- Total Citations: 239
- H-index: 6

PEER REVIEW ACTIVITIES

SCI/SCI-E/AHCI Indexed Journals

- Soil Dynamics and Earthquake Engineering, December 2019
- Earthquakes and Structures, October 2019
- Engineering Structures, September 2018
- Engineering Structures, July 2018
- Engineering Structures, September 2017
- Engineering Structures, June 2017
- METU Journal of the Faculty of Architecture, May 2017
- METU Journal of the Faculty of Architecture, March 2017
- METU Journal of the Faculty of Architecture, February 2016
- METU Journal of the Faculty of Architecture, August 2015
- METU Journal of the Faculty of Architecture, June 2015
- METU Journal of the Faculty of Architecture, January 2015
- METU Journal of the Faculty of Architecture, December 2014
- METU Journal of the Faculty of Architecture, July 2014
- Earthquake Spectra, EERI, April 2014
- Earthquake Spectra, EERI, August 2013

Other Indexed Journals

- Türk Deprem Araştırma Dergisi, June 2020

Conferences

- 9th Turkish Conference on Earthquake Engineering, December 2020.
- 5th National Building Congress and Exhibition, December 2020.
- 5th International Conference on Earthquake Engineering and Seismology, May 2019.
- 4th National Building Congress and Exhibition, October, 2018
- 3rd National Building Congress and Exhibition, September 2016

Scientific Research Projects

- External reviewer, TÜBİTAK 2544 - Joint International Basic Research Projects Program, The Scientific and Technological Research Council of Turkey, December 2020.
- External reviewer, TÜBİTAK 1005 - National New Ideas and New Products Research Funding Program, The Scientific and Technological Research Council of Turkey, September 2020.

SCIENTIFIC RESEARCH / WORKING GROUP AFFILIATIONS

- Founder and Coordinator of the Structure & Design Research Group, Middle East Technical University, (2017 - continues)
- Affiliated academic of the METUWIND - Center for Wind Energy and Research, (2016 - continues)

RESEARCH AREAS

- Structural and architectural design of tall buildings
- Earthquake damage and loss estimation
- Resiliency and risk management
- Characteristics of Turkish building stock
- Design and evaluation of temporary accommodation units
- Selection and scaling of ground-motion record

RESEARCH GRANTS

- METU, Scientific Research Project (BAP-08-11-2016-064), Project Leader, Burgulu Yüksek Binaların Taşıyıcı Sistem ve Aerodinamik Özelliklerinin İncelenmesi, 2016 – 2019.
- METU, Scientific Research Project (BAP-02-01-2017-001), Project Leader, Geçici barınma ünitelerinin çok ölçütlü karar analiz yöntemleri ile değerlendirilmesi, January 2017 – December 2017.
- METU, Scientific Research Project (BAP-08-11-2016-027), Project Leader, Deprem Tehlikesine Maruz Bina Envanterinin İstatistikî Yöntemler ile İncelenmesi, January 2016 – December 2016.
- The Scientific and Technological Research Council of Turkey (TUBITAK), Post-Doctoral Research Grant, Post-Doctoral Researcher, Evaluation of Ground-motion Record Scaling and Selection Methods for Seismic Design and Assessment of Structures, February 2014 – August 2014.
- METU, Graduate School of Natural and Applied Sciences, BAP-03-03-2009-04 Graduate Thesis Project, Researcher, A Probability Based Seismic Loss Model Concerning the Common Concrete Buildings in Turkey, 2009–2010.

INVITED LECTURES AND PRESENTATIONS

- Structure of Tall Buildings, TEDU CE Seminar, November 2018, Ankara, Turkey.
- Yüksek Binalar: Tanım, Taşıyıcı Sistem, Form ve Örnekler, Turkish Chamber of Civil Engineers – Ankara Branch, Tall Buildings Workshop, December, 2016, Ankara, Turkey.
- Yüksek Binalar – Örnekler, Yüksek Yapıların Tasarım, Modelleme ve Yapım Kuralları Eğitimi, T.C. Çevre ve Şehircilik Bakanlığı, October, 2015, Ankara, Turkey.
- (Re)Building the City or Disaster, Architecture and Regeneration: meeting between Turkish and Italian Architects at SAIE 2014 Building exhibition, October, 2014, Bologna, Italy.

AWARDS AND HONORS

- 2019 METU Academic Performance Award
- Thesis of the Year Award - Academic year of 2012–2013, Mustafa N. Parlar Education and Research Foundation.
- Outstanding Performance in Research Assistant Duty, Academic year of 2008–2009, Department of Civil Engineering, METU.
- Graduated with honors, June 2003, Civil Engineering Department, METU.

PROFESSIONAL AFFILIATIONS & SERVICES

- Member of Council on Tall Buildings and Urban Habitat, – Illinois, USA, (2018 - continues).
- Member of Earthquake Engineering Association of Turkey, (2018 - continues)
- Member of Turkish Chamber of Civil Engineers (IMO) – Ankara Branch, Turkey, (2003 - continues).
- Member of Scientific Committee, 9th Turkish Conference on Earthquake Engineering, Turkish Chamber of Civil Engineers & Turkish Earthquake Foundation - Earthquake Engineering Committee, (2020).
- Member of Scientific Committee, 5th National Building Congress and Exhibition, Chamber of Architects of Turkey, (2020).
- Member of Objection Assessment Committee of Risky Structures, The Republic of Turkey Ministry of Environment and Urbanization – Ankara, Turkey, (2017 - 2020).
- Member, Local Organizing Committee, 5th International Conference on Earthquake Engineering and Seismology, Earthquake Engineering Association of Turkey, (2019).
- Member, Scientific Committee of 4th National Building Congress and Exhibition, Chamber of Architects of Turkey, (2018).
- Member, Scientific Committee of 3rd National Building Congress and Exhibition, Chamber of Architects of Turkey, (2016).

CONSULTING & PROFESSIONAL EXPERIENCE

Consultant in structural and earthquake engineering: structural performance/condition/risk assessment, fragility analysis, input ground-motion records for nonlinear dynamic analysis of structures.

- Structural Condition Assessment of a Masonry Building in Çankaya, Expert Witness, 2017.
- Record Selection and Scaling for Revised Period of Söylemez Dam, Erzurum, Dolsar Mühendislik A.Ş., 2016.
- Record Selection and Scaling for Söylemez Dam, Erzurum, Dolsar Mühendislik A.Ş., 2016.
- Selection and Scaling of Ground-motion Records Compatible with Conditional Spectrum Derived for Italian Sites, EUCENTRE project C2.2, 2014.
- Structural Condition Assessment of a Masonry Building in Bahçelievler, 2012.

QUALIFICATIONS, SKILLS & CERTIFICATES HELD

- Introduction to Disaster Risk Management Certificate, Innovative Solutions for Cities – Public Safety and Resiliency, World Bank, e-Institute, 2014.
- Programming for Everybody (Python), Coursera - University of Michigan School of Information, 2015.

DEVELOPED TOOLS & SOFTWARE

- SeismoSelect – Ground-motion Record Selection and Scaling Platform, A software developed with Python and PyQt
- ReSaS – Record Selection and Scaling, A Matlab Based Program with a Graphical User Interface, Freely available on web site: www.metu.edu.tr/~ozer/sources.html