

## **CURRICULUM VITAE**

### **Mehmet Halis Gunel**

Assoc.Prof.Dr.

METU, Department of Architecture

Dumlupinar Bulvari, Cankaya, Ankara, 06800, Turkey

P: +90 532 212 1918 (Mobile)

+90 312 210 2203, +90 312 210 2235 (Office)

e-mail: hgunel@metu.edu.tr

### **EMPLOYMENT RECORD :**

#### **Academic and Professional Experience :**

Rank	University-Department / Organization	Years
Research Assistant	Civil Engineering, Structures, METU (Middle East Technical University), Ankara	1982-1984
Second Lieutenant	Ministry of Defence, Project Officer, Ankara (Military Service) (Milli Savunma Bakanlığı, İnşaat Emlak Dairesi)	1985-1986
Research Assistant	Civil Engineering, Structures, METU, Ankara	1986-1989
Project Manager	Prokon Consultants A.Ş., Ankara	1989-1990
Instructor	Department of Architecture, METU, Ankara	1991-1995
Instructor Dr.	Department of Architecture, METU, Ankara	1995-2010
Assoc.Prof.Dr.	Department of Architecture, METU, Ankara	2010-

### **OFFICIAL DUTIES AND MEMBERSHIP :**

#### **Official Duties :**

- METU Continuing Education Center (SEM), Executive Committee Member, (2005-Present day)

#### **Membership of Academic Associations :**

- Technical Journal (Journal of Turkish Chamber of Civil Engineers, Science Citation Index, Engineering Index, Concrete Abstracts-American Concrete Institute, CITIS, TUBITAK/ULAKBIM), Technical Editor, (1996- )
- Digest – Extended Summaries from Technical Journal (Journal of Turkish Chamber of Civil Engineers), Technical Editor, (1996- )

#### **Membership of Professional and Social Associations :**

- CTBUH (Council on Tall Buildings and Urban Habitat), Illinois Institute of Technology – Illinois / ABD, Academic Member
- METU Alumni Society - Ankara
- TMMOB Turkish Chamber of Civil Engineers (Diploma No: 16000) - Ankara
- TED Ankara College Alumni Society - Ankara
- Cercle d'Orient (Buyuk Kulup Dernegi) - Istanbul

## **EDUCATION :**

**High School :** TED. Ankara College, Ankara

**BSc. :** METU (Middle East Technical University), Civil Engineering, Ankara

**MSc. :** METU, Civil Engineering, Structures, Ankara

**PhD. :** METU, Civil Engineering, Structures, Ankara

### **MSc. Thesis and Supervisor :**

Analysis of Edge-Reinforced Cantilever Slabs for Spine Beam Bridges,  
METU, Civil Engineering, Structures, 1984  
Prof. Dr. S.Tanvir Wasti.

### **PhD. Thesis and Supervisor :**

Deflections of Reinforced Concrete Beams and Columns,  
METU, Civil Engineering, Structures, 1995  
Prof. Dr. Ugur Ersoy.

## **THESIS SUPERVISED :**

*"A Study on Tall Buildings and Aerodynamic Modifications Against Wind Excitation"*, MSc Thesis, (Ilgin, H.Emre), METU Department of Architecture, 2006.

*"Sustainability of High-Rise Buildings: Energy Consumption by Service Core Configuration"*, MSc Thesis, (Guryay, Ilkay), METU Department of Architecture, 2012.

*"Planning Considerations of Tall Buildings: Service Core Configuration and Typologies"*, MSc Thesis, (Keskin, Zeynep), METU Department of Architecture, 2012.

## **TECHNICAL PUBLICATIONS :**

### **A. International Publications - Books (With Editorial Board):**

1. Gunel M.H., Ilgin H.E., *"Tall Buildings: Structural Systems and Aerodynamic Form"*, Routledge Taylor and Francis Group, 2014 (Hardcover: 214 pages, Language: English, ISBN-10: 1138021776, ISBN-13: 978-1-138-02177-8).

### **B. National Publications - Books (With Editorial Board):**

1. Gunel M.H., Ilgin H.E., *"Yuksekk Binalar: Tasiyici Sistem ve Aerodinamik Form"*, METU Faculty of Architecture Press, 2010 (ISBN: 978-975-429-278-7).

2. Gunel M.H., Ilgin H.E., Sorguc A.G., *"Ruzgar Enerjisi ve Bina Tasarimi"*, METU Faculty of Architecture Press, 2007 (ISBN: 975-429-255-8).

### **C. International Publications – Journals (Covered by SCI):**

1. Telli C., Gulkan P., Gunel, M.H., *"A Critical Reevaluation of Stresses Generated During Vertical and Lateral Condensation of Gutta-Percha in the Root Canal"*, Endodontics and Dental Traumatology, Vol 10, No 1, p 1-10, 1994.

2. Gunel M.H., Ilgin H.E., *"A Proposal for the Classification of Structural Systems of Tall Buildings"*, Building and Environment (ELSEVIER), Vol 42, p 2667-2675, 2007.

3. Ilgin H.E., Gunel M.H., *"The Role of Aerodynamic Modifications in the Form of Tall Buildings Against Wind Excitation"*, METU Journal of the Faculty of Architecture, Vol 24, No 2, 2007.

### **D. National Publications – Journals (Refereed):**

1. Wasti S.T., Gunel M.H., *"Analysis of Tapered Edge Reinforced Cantilever Slabs"*, METU Journal of Pure and Applied Sciences, Vol 19, No 1, p 107-119, 1986.

2. Ozcelik B., Cenktas A., Gunel M.H., “*Lateral Kondenzasyon Sirasinda Uygulanan Spreader Yuku ve Kok Deformasyonlarının Karsilastirmali Olarak Incelenmesi*”, The Journal of Hacettepe Faculty of Dentistry, Vol 20, No 2, p 25-29, 1996.

#### **E. International Publications - Proceedings:**

1. Ozcelik B., Cenktas A., Gunel M.H., “*A Comparison of Spreader Loads and Root Distortion Under Simulated Clinical Condition*”, Proc. 7<sup>th</sup> Biennial Congress of the European Society of Endodontology, Tel Aviv, Vol 29, No 3, p 206, 1996.

#### **F. Other Technical Publications:**

1. Wasti S.T., Gunel M.H., “*Program CASIC – Computer Analysis of Semi Infinite Cantilevers*”, Structural Mechanics Lab. Report, Civil Eng. Dep., Middle East Technical University, p 1-41, Ankara, 1987.
2. Gunel M.H., “*Deflection of Reinforced Concrete Beams and Columns*”, Uğur Ersoy Symposium – Invited papers and posters, p 447, Ankara, 1999.
3. Gunel M.H., Ilgin H.E., “*Değişim Rüzgarı*”, Tasarım Merkezi Dergisi, Ankara, March 2007.
4. Gunel M.H., Ilgin H.E., “*Rüzgar Enerjisinin Aktif Kullanımı - Bir Mimari Tasarım Kriteri Olarak Rüzgar Enerjisi Kullanımı*”, Ege Mimarlık, Mimarlar Odası İzmir Şubesi, p 6-11, Feb 2008.

#### **RESEARCH PROJECTS :**

1. “*Türkiye Sartlarına Uygun Konut İnşa Teknolojileri ve Secilecek Teknolojilerin Gerektirdiği Yapı Malzemelerinin Belirtilmesi*”, TUBITAK Projesi, Yapı-İnşaat Teknolojileri Arastırma Grubu INTAG-203, 1994 (Proje Uyesi).  
[ “*Building Construction Technologies for Turkey*”, TUBITAK (The Scientific and Technical Research Council of Turkey), 1994 (Project Member) ].
2. “*1995 Dinar Depremi – Orta Hasarlı Betonarme Binaların Onarım ve Güçlendirme Çalışması Projesi*”, T.C. Bayındırlık ve İskan Bakanlığı – Orta Doğu Teknik Üniversitesi, 1995 (Proje Uyesi).  
[ “*1995 Dinar earthquake – Rehabilitation and Strengthening Study for Moderately Damaged Reinforced Concrete Buildings*”, Turkish Ministry of Public Works – METU, 1995 (Project Member) ].
3. “*Rüzgar Enerjisi ve Yüksek Binalara Mimari Entegrasyonu*”, TUBITAK Projesi, MAG-HD-06 (105M014), 2006 (Proje Yöneticisi).  
[ “*Wind Energy and Architectural Integration to Tall Buildings*”, TUBITAK (The Scientific and Technical Research Council of Turkey), 2006 (Project Manager) ].
4. “*Güneş ve Rüzgar Erişim Hakları ve Kentsel Planlama Kriterleri*”, TUBITAK Projesi, 106M151, 2007 (Proje Uyesi).  
[ “*Solar and Wind Rights in Urban Planning Criterias*”, TUBITAK (The Scientific and Technical Research Council of Turkey), 2007 (Project Member) ].

#### **COURSES :**

- Arch331 Structural Design in Architecture I (Must Course, Dep of Arch)
- Arch332 Structural Design in Architecture II (Must Course, Dep of Arch)
- BS533 Building Design: Form and Structure (Graduate Course, Dep of Arc)
- BS536 Studies on Tall Buildings: Design Considerations (Graduate Course, Dep of Arch)
- CE486 Structural Design (Must Course, Department of Civil Eng, 1996-1998)
- Arch401-402 Architectural Design V–VI (Must courses, Dep of Arch, Structure Consultant, 2004-2005)