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PERSONAL

Date of Birth	17.01.1977
Place of Birth	Ankara / Turkey

EDUCATION

2002-2006	North Carolina State University, Structures, Ph.D.
1999-2002	Middle East Technical University, Structures, M.S.
1995-1999	Middle East Technical University, Structures, B.S.

ACADEMIC POSITIONS

March 2009 - Date	Assistant Professor, Department of Civil Engineering Atılım University, Ankara, Turkey
September 2008 – March 2009	Instructor, Department of Civil Engineering Atılım University, Ankara, Turkey

ADMINISTRATIVE DUTIES

October 2011 – January 2017	Associate Head of Department, Atılım University
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HONORS&AWARDS

1	None
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RESEARCH INTERESTS

1	Design and analysis of reinforced concrete, prestressed concrete, steel, wood, and masonry structures
2	Repair and strengthening using advanced composite materials (FRP, etc.)
3	Design and analysis of high-strength and self-consolidated concrete
4	Experimental and analytical studies
5	Active learning in Structural Engineering
6	Occupational safety and health
7	Public outreach

PROFESSIONAL SERVICE

1	Committee President, Civil Engineering Education Committee, Chamber of Civil Engineers, 2016-2018.
2	MÜDEK Program Reviewer, Civil Engineering Department, Harran University, December 2016.
3	MÜDEK Program Reviewer, Civil Engineering Department, Okan University, March 2016.
4	Reporter, Civil Engineering Education Committee, Chamber of Civil Engineers, 2014-2016.
5	MÜDEK Program Reviewer, Civil Engineering Department, Yıldız Technical University, March 2015.
6	Reporter, Civil Engineering Education Committee, Chamber of Civil Engineers, 2012-2014.
7	Yuksel Project International A. S. (2007-2008) • Preparation of Samsun Light Rail Transit System Project Progress Report 1 (English and Turkish) • Preparation of Tender Documents of Samsun Light Rail System Project Construction Works (English and Turkish) • Istanbul Metro, quantity survey of stations of Kadıkoy – Kartal Line (Bostanci, Cevizli, Gulsuyu, Hastane, Kuşuöyü, Soganlık ve Unalan) • Istanbul Metro, performing revisions to Design Report of Kirazlı Station of Kadikoy – Kartal Line • Istanbul Metro, quantity survey of stations of Levent – Ayazağa Line (Haciosman) • Preparation of Tender Documents of Ankara Water Supply Project Gerede – Camlidere Tunnel (Only Turkish)

PUBLICATIONS

1	Mertol, H. C., Baran, E., and Bello, H. J., "Flexural behavior of lightly and heavily reinforced steel fiber concrete beams," Construction and Building Materials, Vol. 98, 2015, pp. 185–193.
2	Baran, E., Mertol, H. C., and Gunes, B., "Damage in Reinforced Concrete Buildings during October 23 and November 9, 2011 Van, Turkey Earthquakes," Journal of Performance of Constructed Facilities, Vol. 28, No. 3, 2014, pp. 466–479.
3	Gurbuz, A. and Mertol H. C., "Interaction between assembled 3-D honeycomb cells produced from high density polyethylene and a cohesionless soil," Journal of Reinforced Plastics and Composites, Vol. 31, 2012, pp. 826-836.
4	Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "Creep and Shrinkage Behavior of High-Strength Concrete and Minimum Reinforcement Ratio for Bridge Columns," PCI Journal, Vol: 55, No: 3, Summer 2010, pp. 138-153.
5	Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "Characteristics of Compressive Stress Distribution in High-Strength Concrete," ACI Structural Journal, Vol: 105, No: 5, Sept. – Oct. 2008, pp. 626-633.

OTHER PUBLICATIONS

1	Özcebe, G., Mertol, H. C., Erdem, C., Çobanoğlu, M., and Keskin, R. S. O., "İnşaat Mühendisliği Eğitimi Vizyon Raporu 2016," TMMOB İnşaat Mühendisleri Odası, 2016, 142 p.
2	Çobanoğlu, M., Ertutar, Y., Hüsem, M., Mertol, H. C., Özcebe, G., and Ünlüoğlu, E., "İnşaat Mühendisliği Eğitimi Vizyon Raporu 2014," TMMOB İnşaat Mühendisleri Odası, 2014, 120 p.
3	Mertol, H. C., Baran, E., and Gunes, B., "23.10.2011 Van Deprem Raporu," Civil Engineering Department, Atılım University, Ankara, Türkiye, Kasım 2011, 66 p.

4	Mertol, H. C., "Characteristics of High Strength Concrete for Combined Flexure and Axial Compression Members," Ph. D. Thesis, Department of Civil, Construction and Environmental Engineering, North Carolina State University, Raleigh, North Carolina, ABD, Aralık 2006, 320 p.
5	Özcebe, G., Ersoy, U., Tankut, T., Erduran, E., Keskin, S. R., and Mertol, H. C., "Strengthening of Brick-Infilled RC Frames with CFRP," Report No. 2003/1, Structural Engineering Research Unit, Civil Engineering Department, ODTÜ, Mart 2003, 67 p.
6	Mertol, H. C., "Carbon Fiber Reinforced Masonry Infilled Reinforced Concrete Frame Behavior," M. Sc. Thesis, Department of Civil Engineering, Orta Dogu Teknik Universitesi, Ankara, Türkiye, Haziran 2002, 67 p.
7	Mertol, A. and Mertol, H. C., "Deprem Mühendisliğine Giriş", Kozan Ofset, Ankara, Türkiye, 2002, 644 p.

PROJECTS

1	"Yerli Modüler 350 Ton Kapasiteli Sondaj Kulesi Tasarımı ve İmalatı," TÜBİTAK KAMAG 1007, Researcher, 2016-2018.
2	"Lifli Polimer Donatı Çubuklarının Kenetlenme Boyları ile Lifli Polimer Donatı Oranının Hibrid FRP-Çelik Donatılı Beton Kirişlerin Eğilme Davranışı Üzerindeki Etkileri," Scientific Research Project, Kırıkkale University, Researcher, 2016-2018.
3	"Laboratuvar Ve Beton Santrali Ortamında Elde Edilen Yüksek Dayanımlı Betonun Temel Özellikleri," Scientific Research Project, Atılım University, Principal Investigator, 2012-2013.
4	"Beton Karışımında Kullanılan Farklı Katkı Malzemelerinin Taze Ve Sertleşmiş Beton Özellikleri Üzerindeki Etkileri," Scientific Research Project, Atılım University, Principal Investigator, 2010-2011.

PATENTS

1	None
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CONFERENCE PRESENTATIONS

1	Mertol, H. C., "Enhancing Civil Engineering Education Using Active Learning Techniques in Reinforced Concrete Course," International Civil Engineering & Architecture Symposium for Academicians (ICESA 2014), Antalya, Turkey, May, 2014.
2	Mertol, H. C., "Enhancing Civil Engineering Education at Atılım University," 2nd International Engineering Education Conference, Antalya, Turkey, October – November 2012.
3	Mertol, H. C. "Enhancing Civil Engineering Education for 21st Century Civil Engineers," 10th International Congress on Advances in Civil Engineering, Middle East Technical University, Ankara, Turkey, October 2012.
4	Mertol, H. C. and Yilmaz, F., "The necessity of Active Learning Techniques in Civil Engineering Education," 2. Civil Engineering Education Conference, Mugla, Turkey, September 2011 (in Turkish).
5	Mertol, H. C. "Using Active Learning Techniques in Mechanics of Materials Course," 100th Year in Civil Engineering Technical Congress, Istanbul, Turkey, November 2012 (in Turkish).
6	Mertol, H. C., "Revisions to Extend the Applicability of AASHTO LRFD Bridge Design Specifications for High-Strength Concrete," 2. Bridges and Viaducts Conference, Eskisehir, Turkey, September 2011 (in Turkish).
7	Yilmaz, F. and Mertol, H. C., "The Use of High Strength Concrete in Turkey – Standards, Design and Construction," 2. Bridges and Viaducts Conference, Eskisehir, Turkey, September 2011 (in Turkish).

8	Mertol, H. C., Ozcelik, E., and Ugur, U., "The Use of Engineering Education for Teaching K-12 Mathematics, Science and Technology Courses," Proceedings of International Engineering Education Conference, Antalya, Turkey, November 2010, pp. 243-247 (in Turkish).
9	Mertol, H. C., "Comparison of Normal and High-Strength Concrete Designs," 5. National Construction Materials Conference, Istanbul, Turkey, November 2010, pp. 99-108 (in Turkish).
10	Mertol, H. C., "Success Methods for New Civil Engineering Faculty," 1. Civil Engineering Education Conference, Antalya, Turkey, November 2009 (in Turkish).
11	Choi, W., Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "Flexural Design of Prestressed High-Strength Concrete Girders," 4th International Conference on Bridge Maintenance, Safety and Management (IABMAS'08), Seoul, Korea, July 13-17 2008.
12	Mertol, H. C., "Flexural Design of High-Strength Concrete Members," 1. Bridges and Viaducts Conference, Antalya, Turkey, November 2007 (in Turkish).
13	Mertol, H. C., Rizkalla, S., Scott, P., Lees, J., and El-Hacha, R., "Durability and Fatigue Behavior of Concrete Beams Prestressed with CFRP," 3rd International Conference on Durability & Field Applications of FRP Composites for Construction, Quebec City, Quebec, Canada, May 23-25, 2007.
14	Mertol, H. C., Rizkalla, S., Scott, P., Lees, J., and El-Hacha, R., "Durability of Concrete Beams Prestressed with CFRP," Special Session – Subcommittee 440I, "FRP Prestressed Concrete", ACI Fall Convention, Denver, Colorado, USA, November 5-9, 2006.
15	Mertol, H. C., Choi, W., Rizkalla, S., Zia, P., and Mirmiran, A., "Shrinkage and Creep Properties of High-Strength Concrete Up To 120 MPa," 7th International Congress on Advances in Civil Engineering (ACE 2006), Istanbul, Turkey, October 11-13, 2006.
16	Kim, S., Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "Behavior of High-Strength Concrete Columns," 7th International Congress on Advances in Civil Engineering (ACE 2006), Istanbul, Turkey, October 11-13, 2006.
17	Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "High Strength Concrete for Flexural Design of Bridge Girders," 7th International Conference on Short and Medium Span Bridges, Montreal, Quebec, Canada, August 23-25, 2006.
18	Mertol, H. C., Rizkalla, S., Zia, P., and Mirmiran, A., "Flexural Design of Bridge Girders Using High Strength Concrete," Proceedings of the 2006 Concrete Bridge Conference, Reno, Nevada, USA, May 7-9, 2006.
19	Mertol, H. C., Logan, A., Choi, W., Rizkalla, S., Zia, P., and Mirmiran, A., "Material Characteristics of High-Strength Concrete Up to 18 ksi," Proceedings of the 2006 Concrete Bridge Conference, Reno, Nevada, USA, May 7-9, 2006.
20	Mertol, H. C., Kim, S., Mirmiran, A., Rizkalla, S., and Zia, P., "Behavior and Design Of HSC Members Subjected To Axial Compression and Flexure," Proceedings of the Seventh International Symposium on Utilization of High-Strength/High Performance Concrete, Washington, D.C., USA, June 20-24, 2005 , (SP-228-28), pp. 395-420.

CITATIONS

Sum of times cited without self-citations (ISI Web of Science):	42
H-index (ISI Web of Science):	4

COURSES GIVEN

1	CE201 Basic Mechanics I - Statics, Atılım University
2	CE202 Basic Mechanics II - Dynamics, Atılım University
3	CE204 Mechanics Of Materials, Atılım University
4	CE209 Fundamentals of Surveying, Atılım University
5	CE342 Reinforced Concrete Fundamentals, Atılım University
6	CE404 Occupational Safety and Health, Atılım University
7	CE 425 Construction Planning and Cost Estimating, Atılım University
8	CE447 Computer Aided Analysis And Design In Structural Engineering, Atılım University
9	CE490 Civil Engineering Design Project, Atılım University
10	CE567 Computer Aided Analysis And Design In Structural Engineering, Atılım University
11	TCE306 İnşaat Mühendisliğinde Bilgisayar Uygulamaları, Near East University
12	CE306 Computer Applications in Civil Engineering, Near East University
13	CE382 Reinforced Concrete Structures, Çankaya University

THESES SUPERVISED

1	Azdeen Saleh Najah, "Experimental and Analytical Investigation on Impact Behavior of Conventional and Steel Fiber Reinforced Concrete Beams," PhD Thesis, Civil Engineering Department, Atılım University, 2018.
2	Saad Abdelmola, "Fatigue Behavior of Prestressed Steel Fiber Reinforced Concrete Beams," MS Thesis, Civil Engineering Department, Atılım University, 2018.
3	Arda Uzunömeroğlu, "Evaluation of occupational safety and health in construction companies in Turkey," MS Thesis, Civil Engineering Department, Atılım University, 2016.
4	Basheer Qahtan Durib Janabi, "Design of Prestressed Concrete Girders using Various Creep, Shrinkage, and Modulus of Elasticity Relationships," MS Thesis, Civil Engineering Department, Atılım University, 2016.
5	Mohammed Nozad Faeq Faeq, "Flexural behavior of reinforced concrete beams having various layers of conventional and steel fiber reinforced concrete," MS Thesis, Civil Engineering Department, Atılım University, 2015.
6	Alfadhil. A. Gheit. Alfadhil Abdussalam, "Compressive and tensile behaviors of steel fiber reinforced concrete," MS Thesis, Civil Engineering Department, Atılım University, 2015.
7	Hussain Jibril Bello, "Flexural behavior of lightly and heavily reinforced steel fiber concrete beams," MS Thesis, Civil Engineering Department, Atılım University, 2014.
8	Nihan Tuğba Çalışkan, "Enhancing civil engineering education using active learning techniques," MS Thesis, Civil Engineering Department, Atılım University, 2013.