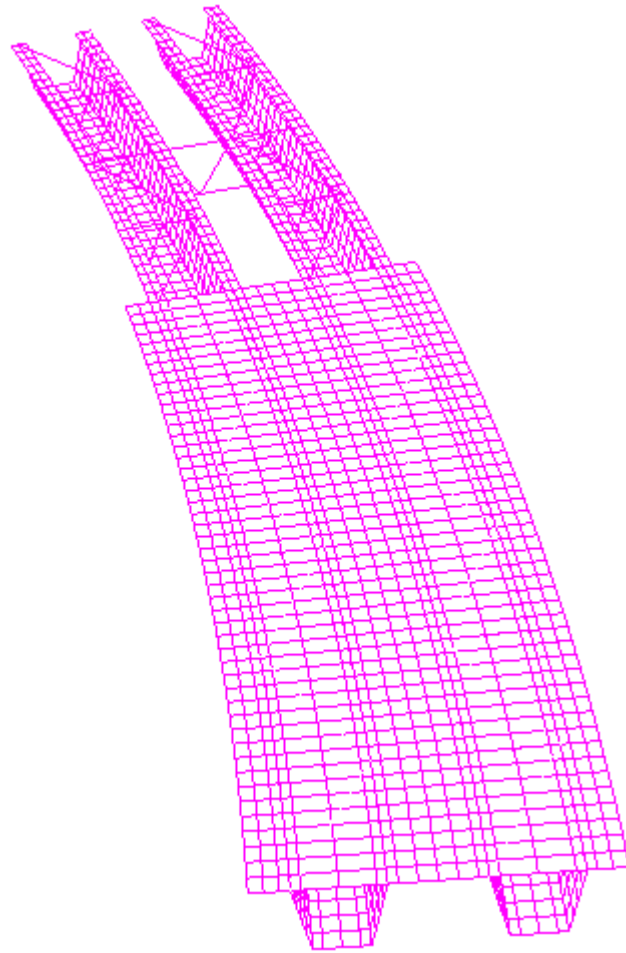




**Professor Cem Topkaya**



From: Topkaya, C., Williamson, E.B. (2003). "Development of Computational Software for Analysis of Curved Girders Under Construction Loads", Computers and Structures. Vol. 81. No. 21. pp. 2087-2098

See:

<http://www.mees.org/teachers/show/id/50>

<http://users.metu.edu.tr/ctopkaya/>

<http://www.cae.utexas.edu/prof/williamson/utrap2.htm>

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**Research Interests:**

Behavior of curved girders during construction; Development of numerical tools for bridge analysis; Applications of finite element analysis; Experimental and numerical investigation of block shear in steel members; Sidesway web buckling; Buckling of overhanging monorails; Elastomeric bridge bearings; Behavior of concrete at early ages; Composite steel concrete construction; Steel plate shear walls; Buckling restrained braces; Special truss moment frames; Eccentrically braced frames; Silos and silo supporting structures

**Education:**

The University of Texas at Austin, Ph.D. in Structural Engineering, 2002

The University of Texas at Austin, MSE in Structural Engineering, 1999

Middle East Technical University, B.S. in Civil Engineering, 1997

**Academic History:**

From 2005 to – present: Associate Professor, Middle East Technical University, Ankara, Turkey

From 2003 to – 2005: Assistant Professor, Middle East Technical University, Ankara, Turkey

From 2002 to – 2003: Instructor, Middle East Technical University, Ankara, Turkey

From 1997 to – 2002: Graduate Research Assistant, Phil M. Ferguson Structural Engineering Laboratory, UT Austin, TX, USA

**Selected Publications:**

Topkaya, C., Williamson, E.B. (2003). “Development of Computational Software for Analysis of Curved Girders Under Construction Loads”, *Computers and Structures*. Vol. 81. No. 21. pp. 2087-2098.

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Baran, E., Topkaya, C. (2012) “An Experimental Study on Channel Type Shear Connectors” *Journal of Constructional Steel Research*, Vol. 74, pp. 108-117.

Günaydın, E., Topkaya, C. (2013) “Fundamental Periods of Steel Concentrically Braced Frames Designed to Eurocode 8” *Earthquake Engineering and Structural Dynamics*, Vol. 42, No. 10, pp. 1415-1433.

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