

CURRICULUM VITAE

Erdal Coskun, Ph.D.

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University Education

Ph.D. (Aug.1990)

Structural Engineering, Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.

Thesis: “Two methods for determining punching shear strength and lateral displacements of reinforced concrete flat plate structures”

M.Sc (July 1985)

Earthquake Engineering, Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.

Thesis: “The effect of plastic deformations and strain-hardening on the load-bearing and deformation capacity of steel structure”

B.Sc. (Mar. 1983)

Civil Engineering Faculty, Istanbul Technical University, Istanbul, Turkey.

Certificate

May 2004, “An Introduction to Seismic Protective Systems”, T.C. Istanbul Kultur University, University at Buffalo. Istanbul, Turkey.

May 2000, “Earthquake Resistant Design and Retrofit of Buildings”, University of Ottawa, Professional Training Service, Ontario, Canada.

Academic Experience

Part-time Professor, Oct.2003-Present, Istanbul Kultur University, Institute of Science and Technology, Istanbul, Turkey.

Part-time Professor, Feb. 2002 – 2004, Bogazici University, Engineering Faculty, Civil Engineering Department, Istanbul, Turkey.

Professor, Sep. 2000 – Oct. 2001, Department of Civil Engineering, University of Ottawa, Ontario, Canada.

Research Professor, Aug. 1999 – Oct .2000, Department of Civil Engineering, University of Ottawa, Ontario, Canada (Post-Doctorate).

Theoretical and experimental researches are conducted to study the behavior of reinforced concrete bridge columns under seismic forces. Large-scale columns are simulated using a pseudo-dynamic test setup.

Assistant Professor, Sep. 1992 - July 1999, Architectural Faculty, Istanbul Technical University, Istanbul, Turkey.

Research and Teaching Assistant; Sep.1987 - May 1990, Architectural Faculty, Istanbul Technical University, Istanbul, Turkey.

Research and Teaching Assistant; Sep.1984 - Sep.1987, Architectural Faculty, Mimar Sinan University Istanbul, Turkey.

Courses Taught

Computer Methods in Civil Engineering (Graduate Level)	Istanbul Kultur University
Advanced Mechanics (Graduate Level)	Istanbul Kultur University
Seismic Isolators (Graduate Level)	Istanbul Kultur University
Advanced Seismic Analysis Methods (Graduate Level)	Istanbul Kultur University
Matrix Methods for Structural Analysis (Graduate Level)	Istanbul Kultur University
CE492 – Final Project	Bogazici University
Engineering Mechanics I-II	University of Ottawa
Strength of Materials	Istanbul Technical University
Static	Istanbul Technical University
Reinforced Concrete Design	Istanbul Technical University
Steel Structures	Istanbul Technical University
Final Project (as a Jury member)	Istanbul Technical University
Space Frame Analysis and Design (Graduate Level)	Istanbul Technical University

Thesis Supervised

M.Sc. Thesis, June 1999, “The effects of fire on steel structures and a case study,” Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.

M.Sc. Thesis, May, 1996, “Space frame systems and a case study,” Istanbul Technical University, Institute of Science and Technology, Istanbul, Turkey.

Professional Experience

Associate Senior Engineer – Jan. 2001 – Feb.2002, Inter-Tech Engineering Inc., Ottawa, Ontario.

Software design and development; involve in structural/bridge engineering and seismic retrofitting design projects.

Structural Consulting Engineer, Mar. 1995 - Apr. 1999, Doruk Holding, Istanbul, Turkey.

Designed and contributed the following projects:

- Four elementary school buildings, 5-storey, reinforced concrete structure, Istanbul.
- Istanbul Kultur University, 4-storey reinforced concrete structure, administration building, Istanbul.
- Two pedestrian overpasses, steel structures, Istanbul-Izmit Highway.
- 64 units Doruk Residence, Gürpınar, Istanbul, Turkey.

Structural and Earthquake Engineering Practices:

- *Present*, Bogazici School, 5-storey steel sport building, Istanbul, Turkey.
- *Aug.2004*-Turk Telekom 50m steel tower design, Istanbul, Turkey.
- *June 2004*-Five storey reinforced concrete car park design, Dagistan, Russia.
- *April 2004*-Kisacik hotel reinforced concrete and steel design, Gaziantep, Turkey.
- *Mar. 2004*-Some elementary schools seismic evolution and retrofit, Istanbul, Turkey.
- *Oct. 2003*-Markiz 14 m span steel roof design, Istanbul, Turkey.
- *June 2003*-Kultur schools seismic evolution, Istanbul, Turkey
- *Nov. 2000* – Retaining wall design, Ottawa, Ontario.

- *May 1999* - Anitkabir (Ataturk's Mausoleum) Structural Inspection, Ankara, Turkey.
- *Mar. 1999*- German Television, Bayerischer Rundfunk Munchen, TV antenna design for lateral forces, Istanbul, Turkey.
- *Jan. 1999* - Etibank Head Office Building, designed 25 m span steel Vierendeel beam Istanbul, Turkey.
- *Sept. 1998* - Markiz, structural strengthening design of a 110-year-old heritage building, using steel frames. Istanbul, Turkey.
- *July 1998* - Eresin Hotel, Seismic retrofitting and renovation project of a 5-storey reinforced concrete office building, Istanbul, Turkey.
- *May 1998* - Levent Residence, 4-storey reinforced concrete building design, Istanbul, Turkey.
- *April 998* - Borusan, Cafeteria building, steel structure, Gemlik, Turkey.

Civil/Structural Engineering Software

- SAP2000-V8.2-ETABS-Section Builder
- MATLAB
- STA4-CAD
- SeismoSoft
- LIRA-V9
- Beam2D
- Response-2000
- PROKON-Structural Analysis
- XTRACT-Pushover Analysis

Computer Programming Languages

- BASIC
- FORTRAN
- Borland C/C++

Professional Memberships

- The Union of Chambers of Turkish Engineers and Architects (TMMOB-IMO)
- International Association for Bridge and Structural Engineering (IABSE)

Languages

- Turkish (native language)
- English (fluent)

References

Available upon request.