

HENRY M. KOFFMAN, P.E.

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EDUCATION

- 1962 Stanford University, Palo Alto, CA
Master of Science in Civil Engineering (MSCE)
- 1961 University of Southern California (USC), Los Angeles, CA
Bachelor of Science in Civil Engineering (BSCE), cum laude

SPECIALIZED TRAINING

- 1995 & Institute Certificate: Federal Emergency Management Agency (FEMA)
1996 Earthquakes, Floods, Fire, and Wind.

ACADEMIC EXPERIENCE

- 1992 to Present
University of Southern California, Los Angeles, CA
Professor of Engineering Practice in Civil and Environmental Engineering
Department
Director, Construction Engineering and Management Program
- 1998 to Present
Founding Program Director, Minor in Construction, Planning and Management
- 1998 to 2003
Co-Founder, International Program in Real Estate and Construction Project
Management

Members: University of Southern California
Tokyo University
Hong Kong University
University of New South Wales
Redding University

1994 to Present

- Founding Degree Director, Master of Construction Management
- 17 part time faculty
 - 24 courses
 - 98 Students as of Fall, 2011

1992 to Present

Program Director, Master of Science in Civil Engineering — Construction Engineering and Management (56 Masters Students and 7 PhD Candidates as of Fall, 2010)

May 2000 Chuo University, Tokyo, Japan
Visiting Professor, Department of Civil Engineering

Oct. 1997 Yonsei University, Seoul, South Korea
Visiting Professor, School of Real Estate and Planning

Oct. 1996 Yonsei University, Seoul, South Korea
Visiting Professor, School of Real Estate and Planning

HONORS AND AWARDS

► UNIVERSITY OF SOUTHERN CALIFORNIA

- 2013 USC MELLON MENTORING AWARD
- 2005 Distinguished Faculty Honors Recipient, Department of Civil and Environmental Engineering. Faculty Award for Outstanding Service
- 2005 Diploma of Honor, Department of Civil and Environmental Engineering
- 1996 Certificate of Appreciation, Department of Civil and Environmental Engineering
- 1993 Office of International Students and Scholars — Teacher of the Year

► AMERICAN SOCIETY OF CIVIL ENGINEERS

- 2002 Faculty Advisor of the Year, Los Angeles Section
- 1996 L. A. Section Platinum Sponsors of Pacific Southwest Regional Conference at Cal Poly, Pomona.
- 1995 Certificate of Appreciation for National Student Activities

TEACHING

USC COURSES TAUGHT (*DENOTES CURRENT ASSIGNMENT)

1992 — Present

- CE 460* Construction Engineering (3 units, FaSp)
Introduction to the construction process; estimating and bidding, construction administration, planning and scheduling, equipment and methods, labor relations, cost control systems and safety
- CE 461* General Construction Estimating (3 units, Fa)
Theory of estimating; quantity surveying; unit cost synthesis and analysis. bid organization and preparation; competitive simulations and exercises.
- CE 462* Construction Methods and Equipment (3 units, Sp)
Current procedures in selected fields of construction; organization and planning; equipment; economics; machinery
- CE 472 Construction Labor Management (3 units) - Inactive
Unionism in construction. Craft tradition, objectives, regulation, motivation, labor force economics, productivity, and technical change. Hiring systems, supervision of project labor operations, jurisdictional administration
- CE 557 Advanced Building Estimating (3 units, Sp)
Process compiling a bid for non-residential building construction.
- FSEM 100* Freshman Seminar (2 units, Sp)
NATURAL DISASTERS
- FSEM 100* Freshman Seminar (2 units, Fa)
EARTHQUAKES.
A seven-to-eleven week course offered for freshmen; limited to 18 students. Graded CR/NC.

► CURRICULUM DEVELOPMENT — USC COURSES CREATED

2008

- CE 469 SUSTAINABLE DESIGN AND CONSTRUCTION PRACTICES (3 UNITS, FALL,SP)
- CE 470 BUILDING INFORMATION MANAGEMENT (3 UNITS, FALL, SP)

2006

- CE 207L Introduction to Design of Structural Systems (2 units, Sp)
Structural materials; components and systems; gravity and lateral forces; structural performance and failures; introduction to structural plans and analysis; computer applications, case studies, design project.

CE 473 Engineering Law, Finance and Ethics (3 units, Sp)
An examination of the legal, financial and ethical issues regularly considered by all practicing engineers.

1998

CE 472 Construction Labor Management (3)
Unionism in construction. Craft tradition, objectives, regulation, motivation, labor force economics, productivity and technical change. hiring systems, supervision of project labor operations, jurisdictional administration.

1997

CE 505 Heavy Construction Operations and Methods (3 units, Sp)
Methods and operations involved in constructing hard rock and soft ground tunnels, shafts, bridge piers in water; construction of concrete formwork shoring.

1996

CE 559 Strategic Planning in Construction Engineering (3 units)
Elements and techniques of strategic planning for construction engineering; Fundamentals of engineering as a service sector enterprise. Assessment of markets (including international issues), competition and technology; aspects of overseas engineering business. Management of technology and the role of R & D.

1995

ARCH 511L Building Systems (4 units, Fa)
Studies of construction system development within the architectural design context; processes and issues of selection, evaluation, optimization, integration, design control and innovation.

FSEM 100 Freshman Seminar (2 units, Sp)
NATURAL DISASTERS.

FSEM 100 Freshman Seminar (2 units, max 4, FaSp)
EARTHQUAKES.

1994

CE 558 International Construction and Engineering (3, Fa/Sp)
Business development and project management in international markets. Topics include marketing, planning, contracts and negotiations, procurements, logistics, personnel and financing. Construction operations in adverse environments.

- CE 556a,b Project Cost Estimating, Controlling, Planning and Scheduling (3-3 units, Fall, Spring)
Fundamental principles and practices of estimating, budgeting, and cost control of construction projects. Case studies and software exercises based on project data.

► **INVITED INTERNATIONAL LECTURES**

- 2012 ECOLE CENTRAL PARIS – PARIS, FRANCE
- 2006 Construction Management Association of Korea (CMAK) — Seoul, Korea
- 2003 Hong Kong University, China
- 2001 Middle Eastern Technical University — Ankara, Turkey
Yildiz Technical University — Istanbul, Turkey
Istanbul Technical University — Istanbul, Turkey
Bosporus University — Istanbul, Turkey
- National Technical Athens University — Athens, Greece
University of Thessaloniki — Thessaloniki, Greece
Aristotle University — Thessaloniki, Greece
- 2000 Tong Ji University — Shanghai, China
Tsinghua University — Beijing, China
- 1999 Chulalongkorn University, Bangkok, Thailand
Migadol University, Bangkok, Thailand
Tokyo University, Japan
Hong Kong University, China
- 1997 Yonsei University — Seoul, Korea
Seoul National University — Seoul, Korea
- 1996 Yonsei University — Seoul, Korea
Seoul National University — Seoul, Korea

Various Years

- Tamking University — Taipei, Taiwan
National Taiwan University — Taipei, Taiwan

► **TELEVISION: THE HISTORY CHANNEL — CIVIL ENGINEER CONSULTANT AND SPEAKER**

- 2005 "Modern Marvels" — Arches
- 2004 "Modern Marvels" — Cranes

2002 "The Most"¹ — Three Gorges Dam

2001 "The Most" — Roman Aqueducts

"The Most" — Panama Canal

"The Most" — St. Francis Dam

PROFESSIONAL EXPERIENCE

From 2002 Trojan Construction Management, LLC, Van Nuys, CA
Principal Engineer and Principal Construction Manager

- Managing member

From 1993 American Arbitration Association, Los Angeles, CA

- Arbitrator

From 1992 Henry M. Koffman, P.E., Los Angeles, CA
Licensed Professional Engineer, State of California

- Structural inspections
- Structural retrofit design
- Construction estimates
- Construction Management Consultant — County of Los Angeles
- Dispute Resolution Board Member — California Department of Transportation (Caltrans)
- Expert legal witness services

1978 to 1993 Koffman Construction, Inc., Los Angeles, CA
Licensed General Building Contractor, State of California
Developed, built, sold and closed 226 residential units in California.
Projects include commercial buildings, schools, homes, high-quality remodels, and condominiums.

1973 to 1978 Mayer Construction, Downey, CA
V.P., Contracts Manager
Responsible for contract negotiations and sales of 1,100 units per year.
Managed construction, marketing, and sales.

1970 to 1973 Kaufman & Broad, Los Angeles, CA
V.P., Construction
Responsible for all residential construction in Southern California.

¹ *The Most* was a series of programs on the History Channel

1968 to R & B Development Company, Los Angeles, CA
1970 Project and Contracts Manager
Responsible for \$60 million per year in construction contracts

1963 to George A. Fuller Company, Los Angeles, CA
1968 Project Engineer, Estimator
Supervised construction of the Century Plaza Hotel (Century City, CA)
Supervised construction of Yamato Restaurant (Century City, CA)

► COURT APPEARANCES

- 2011 TESSIE CLEVELAND V. L.A. DESIGN GROUP.
LOS ANGELES SUPERIOR COURT CASE No. TC023641
CONSTRUCTION MANAGEMENT CASE ON BEHALF OF PLAINTIFF
- 2010 SMADI INC. DBA HART CONSTRUCTION V. YEHUDA, ET AL
LOS ANGELES SUPERIOR COURT CASE No. BC 366373
CONSTRUCTION DEFECTS CASE ON BEHALF OF PLAINTIFF
- 2009 McMinn v. Cappadonna, Los Angeles Superior Court, Case No.
TC022072, Construction Defects Case, on behalf of Defendant
- 2006 Hanes v. Psomas, Los Angeles Superior Court, Case No. PC036246, Civil
Engineering Dispute, on behalf of Plaintiff
- Jackson v. Villeda, Los Angeles Superior Court, Case No. BC322536, Drainage
Case, on behalf of Defendant
- Dillingham/Ray Wilson v. City of Los Angeles, Los Angeles Superior Court, Case
No. BC 208414, Construction Dispute, on behalf of Plaintiff
- 2005 City of West Hollywood v. Willdan Associates, Superior Court of the State of
California, County of Los Angeles, Central, Case No. BC306587, Civil
Engineering Design Dispute, on behalf of Plaintiff
- Fields v. MacMinn, Los Angeles Superior Court, Downtown, Case No. BC
297599, Geotechnical Dispute, on behalf of Plaintiff
- 2003 Embezzlement Criminal Case, Criminal Court — Van Nuys, on behalf of
Defendant
- 2001 Zurn Construction v. Castaic Lake Water Agency, Los Angeles Superior Court,
Central Civil West, Construction Dispute, Case No. PC 018110, on behalf of
Plaintiff
- Murder Case, Criminal Court — Downtown Los Angeles, on behalf of Defendant
- 2000 Voshell v. Index Industries, North San Diego County (Vista) Superior Court, Case
No. N82626, Construction Accident, on behalf Defendant
- 1999 Divorce case, Pasadena Superior Court, on behalf of wife

1994 Employment Termination Case, Santa Rosa Superior Court, on behalf of Defendant

UNIVERSITY SERVICE

► UNIVERSITY OF SOUTHERN CALIFORNIA

From 2007

- Faculty advisor and founder, USC Student Chapter of the Construction Management Association of America (CMAA)

From 2004

- Architecture, Construction Engineering Mentor Program (ACE)

From 2003

- ABET Committee (a/k/a Undergraduate Curriculum Committee)
- Industry Advisory Committee
- USC Ambassador

From 2001 to 2005

- Faculty Advisor, Turksa, USC Turkish Student Association

From 1996

- Faculty Advisor, USC Chapter of Alpha Phi Sorority

From 1995

- Faculty Advisor and founder, USC Student Chapter of Associated General Contractors (AGC)

From 1994

- Organizer, Annual Construction Symposiums; Annual Reno Construction Competitions

From 1993

- Division of Student Affairs — Commencement Marshall
 - Main ceremony
 - VSOE undergraduate ceremony
 - VSOE graduate ceremony
- Academic Integration Model (AIM) Faculty/Staff Mentor Program
- Viterbi School of Engineering
 - Liaison between industry and academia for the VSOE Development Office
 - Recruited Leo Chu for Dean's Board of Councilors, who in turn recruited Ming Hsieh.
 - VSOE Engineering Mentoring Program
 - VSOE Panel of Experts

- Department of Civil and Environmental Engineering
 - Board of Directors, David Wilson and Affiliates, USC Department of Civil and Environmental Engineering Alumni Association (DMWA)
 - Faculty Advisor, USC chapter of Chi Epsilon (Civil Engineering Honor Society)
 - 2000 Host, Pacific District Regional Conference
 - Faculty Advisor, USC student chapter of the American Society of Civil Engineers (ASCE)
 - 1999 Host, Pacific Southwest Regional Conference; Concrete Canoe, Steel Bridge, Academic Decathlon, etc.

► **PUBLIC SPEAKING AND MEDIA**

JUNE, 2013 SKAGIT RIVER, WASHINGTON INTERSTATE 5 BRIDGE COLLAPSE
TELEVISION
 ABC NEWS @ 5, CHANNEL 7

NAMC ANNUAL CONFERENCE PANEL MODERATOR

JUNE, 2011 405 MULHOLLAND BRIDGE DEMOLITION
TELEVISION
 FOX NEWS @ 10, CHANNEL 11
 KCAL NEWS @ 11, CHANNEL 13

Dec. 2010 Lexus "Chain" Commercial
 Various Television shows including the Super Bowl

Aug. 2007 Minneapolis Bridge Collapse Expert Comments

Television

- Channel 7 11:00pm News
- Channel 5, News at 10pm (twice)
- CNN Larry King Live
- Channel 2, First Edition, 7pm

Radio

- KNX 1070, NPR, and others

From 2000 Speaker at Southern California Contractors Association Dinner Conferences.

From 1992 Numerous printed interviews in newspapers & magazines, frequently identified as an "expert."

Speaker and Panel participant at numerous academic and industry events.

PROFESSIONAL SERVICE

► PROFESSIONAL AFFILIATIONS

- FROM 2012 ADVISORY BOARD, UNIVERSITY OF TEXAS – ARLINGTON, COLLEGE OF ENGINEERING
- FROM 2011 AMERICAN SOCIETY OF ENGINEERING EDUCATION
- FROM 2011 MEMBER, BEAVERS
- 2010-2011 MEMBER, NATIONAL AIA LATROBE PRIZE JURY
- FROM 2009 MEMBER, ENGINEERS WITHOUT BORDERS
- From 2002 California State Dispute Review Board Foundation
- From 2000 Southern California Contractors Association (SCCA)
- From 1994 Construction Management Association of America (CMAA)
2007-Present International Committee
2003-2008 Board of Directors, CMAA Foundation
2008-2011 National Board of Directors
2012-Present Board of Directors, CMAA Foundation
- From 1993 American Society of Civil Engineers (ASCE)
- 2001 — 2004 Government Relations Committee
 - 1999 — 2000 President, Los Angeles Section President
 - 1996 Chair, National Student Activities Committee
 - 1993 — 1997 National Student Activities Committee
- American Arbitration Association (AAA, Arbitrator)
- American Institute of Steel Construction (AISC)
- Manual and Specifications Review Committee
- Construction Research Council (CRC)
- Member, Associated General Contractors (AGC)

► Professional Committees

- 2010/2011 Member, National AIA Latrobe Prize Jury
- 2003 California Receivers Forum
- 2001 Delegation Leader for People to People Ambassador Programs
- 1996 MTA Academic Environmental Group

► **SOCIAL AND FRATERNAL ORGANIZATIONS**

From 1962 Stanford Alumni Association

From 1961 Masons

From 1961 USC Alumni Association