

Curriculum Vitae
Kurt McMullin
Professor, San Jose State University

Professional Preparation.
Iowa State University

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CE269	Advanced Topics in Structural Design	Graduate elective
CE298	Special Problems	Graduate elective

Innovations in Teaching

Assessment Rubric Design

Development of a nine-step evaluation rubric for engineering student skills in the design of experiments. Rubric developed by four-member team from CEE, GE, MAE and CME department faculty. 2007-2008

Technology-Assisted Instruction for Engineering Education

CE265 – Flipped classroom instruction modules	Fall 13
CE265 – Online asynchronous instruction	Fall 99
CE267 – Two-way video instruction	Spring 98
CE164 – Two-way video instruction	Spring 97

Member of the COE Champions team 1997-2000. Exploring implementation of new technologies to enhance student learning. Developing effective teaching methods via distance education and multimedia tutorials.

New Courses Developed



CE20 – Fall 2000. This course



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Kurt McMullin, P.E., Ph.D.	Consultant	1991-present
Evaluation of various engineering structural systems for performance goals		
Forensic engineering for legal proceedings		
Analytical evaluation of complex structural systems		
Projects:		
Engineering Tutoring for Advanced Steel Design		2013
Peer Review of a Highrise Structure in San Francisco		2012-2013
Review of a Highrise Structure in Tokyo Japan		2011
Peer Review of a Highrise Structure in San Francisco		2003
Forensic Evaluation of a Woodframe Housing Development		2001-2005
Forensic Evaluation of a Woodframe Housing Development		1999-2000
Consultant for Residential Seismic Retrofit Work		1998-2000
Analysis of a Water-Collection Basin		1998
Steel Frame Test Facility		1995
Kajima Corporation, Minato-ku, Tokyo, Japan	Summer Intern	1993
reviewed current technology for seismic resistant buildings		
toured Japanese construction projects		
internship sponsored by National Science Foundation		
Middlebrook and Louie, San Francisco, CA	Design Engineer	1989-1996
engineering design calculations		
linear dynamic and static building analysis via computer simulation		
review of shop drawings and construction work		
review and training of engineers		
coordination of engineering and architectural plans		
preparation of written responses to peer review, requests for information, and field change orders		
Halliburton Services, Duncan, OK	Senior Engineer	1982-1985
design new equipment for the petroleum industry		
write material specifications		
approve engineering and manufacturing change orders		
manage research and development projects		
layout preliminary drawings using CAD software		

Publications.

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Lindeburg, Michael R. and McMullin, Kurt M. (2011).  ^h  Professional Publications, Inc., Belmont CA.

Lindeburg, Michael R. and McMullin, Kurt M. (2008).  ^h  Professional Publications, Inc., Belmont CA.

Astaneh-Asl, Call, Steven M., and McMullin, Kurt M. (1990). Steel Tips: Design of Single Plate Shear Connections, American Institute of Steel Construction.

McMullin, K. M. (1986). "Remote Cementing Plug Launching System." – U.S. Patent #4,624,312.

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McMullin, K. M.; Merrick, D. S. (2007). "Seismic damage thresholds for gypsum wallboard partition walls."  , American Society of Civil Engineers. v 13, n 1, 2007, p 22-29.

Baldizan, M. E. and McMullin, Kurt M. (2005). "Evaluation of student learning for an engineering graphics course." *Journal of Structural Engineering*, American Society of Civil Engineers. v 131, n 3, July, 2005, p 192-198.

McMullin, Kurt Michael; Astaneh-Asl, Abolhassan. (2003). "Steel semirigid column-tree moment resisting frame seismic behavior." *Journal of Structural Engineering*, American Society of Civil Engineers. v 129, n 9, p 1243-1249.

McMullin, Kurt Michael; Owen, Gordon Norman. (2002). "Educating students via distance learning for civil engineering design." *Journal of Structural Engineering*, American Society of Civil Engineers. v 128, n 1, January, 2002, p 6-11.

Astaneh-Asl, Abolhassan; Modjtahedi, Djavadi; McMullin, Kurt; Shen, Jie-Hu
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McMullin, Kurt M., Ortiz, Maggie, Patel, Lokesh, Yarra, Siddaiah, Kishimoto, Tatsuo, Stewart, Caleb, and Steed, Bob (2012). "Response of Exterior Precast Concrete Cladding Panels in NEES-TIPS/NEES-GC/E~Defense Test on a Full-Scale 5-

McMullin, K. M. and Astaneh-Asl, A (1997). "Comparision of Plastic Hinge Behavior in Experimental

Research Collaborators

Tara Hutchinson, Professor, University of California, San Diego

Pooja Nagar, Graduate Student, CE298

PEER Undergraduate Scholarship Recipient	
Nitin Christopher, Graduate Student	1998
Anna Portillo, Undergraduate Student	1998
PEER Undergraduate Scholarship Recipient	
Hilda Vazquez, Undergraduate Student	1997-2000
College of Engineering Scholar of Exceptional Engineering Student	1997-2000

Member of American Society of Engineering Educators	1997-2000
Member of Pacific Earthquake Engineering Center's Education Committee	1996-2007
Member of American Society of Civil Engineering	1992-2009
Member of Structural Engineers Association of Northern California	1988-2009
Seminar Instructor, Continuing Education Seminar, "Damage to Gypsum Partition Walls of Woodframe Construction,"	2004
Wood Structures Subcommittee of Seismology Committee,	2001-2007
Representative to State Steel Subcommittee,	1998-1999
Nominated for Board of Directors,	1998
Seminar Instructor, Continuing Education Seminar, "Design of Moment-Resisting Steel Frames after the Northridge Earthquake,"	1996
Steel Subcommittee of Seismology Committee,	1996-2002
Research Committee,	1992-1993
Public Affairs and Membership Committee,	1990-1992
Member of Earthquake Engineering Research Institute	1988-2009
Annual Meeting Organizing Committee,	2003
President of U.C. Berkeley Student Chapter,	1994-1996
Shinnyo-En Temple	1996-2013
Toastmasters International	1983-1985

Synergistic Activities.

I am working on reducing seismic hazards through better understanding of earthquake engineering. I am doing this by synergy of my efforts of research, teaching and service.

Research – experimental testing of earthquake resistant architectural finish elements.

- Seismic Performance of Precast Concrete Cladding Systems – research conducted since 1998 on experimental testing and modeling of steel connections used to support cladding panels.
- Seismic Performance of Gypsum and Stucco Wall Materials – funded by the CUREe-Caltech Woodframe Project for 1999-2001. www.engr.sjsu.edu/mcmullin/research/twall/wall.htm
- Upgrade of the Earthquakes Exhibit of the California Academy of Sciences – funded by the Pacific Earthquake Engineering Research Center for 1999-2000.
- Documentation of the Undergraduate Earthquake Scholars Course – funded by the Pacific Earthquake Engineering Research Center for 1999-2000.
- "Final Report for 1993 Summer Institute in Japan." Presented to Kajima Corporation and the National Science Foundation, August 1993. McMullin, K. M.

Teaching – courses taught in earthquake engineering at SJSU.

- CE165 – Introduction to Earthquake Resistant Design – undergraduate elective to prepare students for licensing exam and industry design procedures.
- CE265 – Advanced Earthquake Resistant Design – advanced subjects in earthquake engineering including performance based design, nonlinear modeling and detailing of concrete structures – taught online to provide access for geographically-remote non-matriculated students.
- CE267 – Advanced Steel Design – modified the course content to contain 50% of the semester to be the design and detailing of steel frames for seismic resistance.
- CE269 – Ductile Detailing of Steel Moment Connections – this course had the students design, build and test specimens representing typical seismic resistant details.

Independent Research – I have overseen a total of two high school, eight undergraduate, fourteen masters-level graduate students, and one visiting scholar researcher working in the area of earthquake engineering.

Service – professional societies

- Education Committee – Pacific Earthquake Engineering Research Center

