

DR. J. K. YATES, DEAN
College of Engineering Technology
Ferris State University

EDUCATION

Ph.D. in Civil Engineering, December 1986, Texas A&M University, College Station, Texas. Concentration in Construction Engineering and Management and minors in global finance and management, business analysis, global political science, and building science.

Courses Completed for the **Master of Science in Civil Engineering**, 1979. University of Washington, Seattle, Washington, concentration in Construction Engineering and Management.

Bachelor of Science in Civil Engineering, 1978, University of Washington, Seattle, Washington. Minor in archeology/anthropology

RECENT BOOKS, HONORS, AND AWARDS

Engineering and Construction Productivity Improvement (book), 2013, **American Society of Civil Engineers**
Introduction to Sustainable Engineering Design and Construction (book), 2013, to be completed in 2013
Engineering and Construction Law and Contracts (book), 2011, **Prentice Hall/Pearson Publishing**.
Design and Construction for Sustainability in Industrial Construction: A Primer (book), 2011, **The Construction Industry Institute**.

Design and Construction for Sustainability in Industrial Construction: Implementation Resource (book), 2009
The Construction Industry Institute.

Sustainable Industrial Construction (book), 2008, **The Construction Industry Institute**.

Global Engineering and Construction (book), 2007, **John Wiley and Sons Publisher**.

Distinguished Professor Award, August 2010, awarded by **The Construction Industry Institute**.

Charles Davidson Endowment, 2003, raised a million dollar private donor endowment for the Construction Engineering Program in the Civil and Environmental Engineering Department at San Jose State University.

Ron Brown Presidential Award for Industry-Education Partnership, May 2000, Awarded by President Clinton at the White House for research collaboration with the Hewlett Packard Foundation. Principal Investigator for the project September 1997 until July 2003.

Outstanding Educator in America in Construction, 1997, awarded by the **Associated General Contractors of America**.

President's Special Recognition Award, December 1996, awarded by **San Jose State University**.

Distinguished Teacher Award for the University, 1994, awarded by **Polytechnic University**.

Guest on *Heart of the Matter*, **ABC Television**, September 14, 1994, Topic: *Construction Delays*.

Invited Keynote Speaker, 1994, **Design/Build America Conference**, Washington, D.C.

Invited Keynote Panel Speaker, 1991, **Associated General Contractors** annual conference, Maui, Hawaii.

Those Who Made Marks in the Construction Industry in 1991 - Engineering News Record award (Runner-up for Man of the Year)

Chairman of the Iowa Highway Research Board, 1989-1993, **State of Iowa Commission** (appointed by the governor of Iowa - Terry Branstead)

COMPUTER SOFTWARE DEVELOPED

Construction Delay Analysis System (CDAS) – Computer program that predicts construction delays, provides possible causes of delays, and recommends mitigation strategies. Historical module for claims analysis (funded by the **National Science Foundation**).

International Standards and the Engineering and Construction Industry - Computer program, International Standards, and the ISO 9000 Series of Quality Standards, and their Effects on the Engineering and Construction Industry in the U.S. (funded by the **Construction Industry Institute**).

Collegiate Programs in Construction - Computer program, construction education program containing quantitative and qualitative data on all civil engineering and construction programs in the U.S. (funded by the **Construction Industry Institute**).

PROFESSIONAL ACTIVITIES

Special Editor: American Society of Civil Engineers, Legal Affairs Section of the Journal of Professional Issues in Engineering Education and Practice, April 2007, **Global Legal Issues in Engineering**

Associate Editor: Journal of the Project Management Institute 1990 – 2000

Editorial Review Board: Journal of the Project Management Institute 2000 – 2005

Editorial Board: Journal of the American Association of Cost Engineers International 1990 - 2004

Journal Reviewer: American Society of Civil Engineers - Journal of Construction Engineering and Management
American Society of Civil Engineers - Journal of Management in Engineering
American Society of Civil Engineers – Journal of Legal Affairs and Dispute Resolution in Engineering and Construction
Project Management Institute Journal
American Association of Cost Engineers International Journal

Proposal Reviewer: National Science Foundation

National Committees: Design and Construction for Sustainability – Construction Industry Institute
Construction 2000 Task Force - Construction Industry Institute (CII)
International Standards Task Force – Construction Industry Institute
Education and Training Task Force – Construction Industry Institute

Examples of Consulting: Bart Airport Extension Project - developed the Quality Manual and the Quality Assurance and Quality Control program for the project
Pillsbury, Brown, and Sutro Law Firm (California) – Expert Witness
Grupo APYSCA – Construction Contracting Consulting, Mexico City
New York City Court System - Expert Witness
Design Consultant/Construction Manager - 10,000 square foot homes

PROFESSIONAL MEMBERSHIPS

Member American Society of Civil Engineers
Member of the American Society for Engineering Education
Member Project Management Institute
The Construction Industry Institute

ADVISING: Advised twenty undergraduate students per year at Western Carolina University, seventy-five to one hundred undergraduate students per year at San Jose State University, North Dakota State University, and Iowa State University and thirty per year at Ohio University. Advised ten graduate students per year at Iowa State University, forty graduate students per year at NYU Poly and San Jose State University, and one to five per year at Ohio University and North Dakota State University.

PROFESSIONAL EXPERIENCE

7/2012-Present **Dean of the College of Engineering Technology**, Ferris State University, 1009 Campus Drive, Johnson Hall 200K, Big Rapids, Michigan 49307

Responsibilities include: Duties related to the day-to-day administration of the College of Engineering Technology; developing and implementing the College of Engineering Technology strategic plan; interfacing with faculty, students, and members of the industry; a member of the Dean's Council; activities related to the promotion of the College of Engineering Technology; developing and managing the College of Engineering Technology budgets; conducting leadership meetings; representing the university at university and industry functions and community activities; conducting industry advisory board meetings; fund raising; decision making; conflict resolution; and resolving personnel issues.

6/2010-6/2012 **Joe W. Kimmel Distinguished Professor, Previous Department Head** (sixteen months), Kimmel School of Construction Management, Engineering Technology, and Engineering; Belk Building Room 211A; Western Carolina University; Cullowhee; North Carolina 28723.

Responsibilities include: (Professor) Teaching courses, advising students, writing textbooks and journal articles, helping advise the student professional organization, writing grant proposals, conducting research, serving on committees, and administrative duties.

(Department Head) Member of the Kimmel School Leadership Team and developing and implementing the department vision and strategic plan. Student recruitment - increased the freshman class size in one year from twenty students to seventy-five students and substantially increased transfer enrollments. Managing the department, developing and managing department budgets, scheduling courses, department conflict resolution, decision-making, and administrative functions. Serving on the University Tenure, Promotion, and Review Committee and other college and university level committees. Interfacing with the Department Industry Advisory Board Members and conducting the Industry Advisory Board meetings. Interfacing with other industry professionals and external constituencies in the business and industrial community. Development activities and working with university advancement officers. Obtaining twenty thousand dollars worth of donated software. Implementing sustainability and building information modeling (BIM) courses into the undergraduate and graduate curriculum. Revising the undergraduate and graduate curriculum. Writing accreditation reports and interfacing with accreditation personnel. Developing the department website and brochures and promoting the department regionally and nationally. Substantially increased student recruitment and job placement in one year. Conducted nationwide faculty searches and hired two full-time and four part-time civil engineering faculty members in one year.

7/2008-5/2010 **Professor, Previous Department Chair** (seven months), Department of Construction Management and Engineering, Main Campus Architecture Building Room 210, P.O. Box 6050, North Dakota State University, Fargo, North Dakota 58108.

Responsibilities included: (Professor) Teaching undergraduate and graduate courses, advising undergraduate and graduate students; guiding graduate student thesis and projects; conducting research; writing textbooks, research grants, and journal articles; serving on department, college and university committees; administrative assignments; graduate and undergraduate student recruitment. Research areas included: sustainability in engineering and construction, critical infrastructure systems protection, forensic engineering, engineering and construction law, and productivity improvement.

(Department Chair) Developing and managing department budgets. Interfacing with the Department Industry Advisory Board members and other industry professionals and conducting advisory board meetings. Providing presentations to industry professionals. Department leadership, developing and implementing the department strategic plan, managing the department, scheduling courses, decision making, conflict resolution, and other administrative functions. Interacting with industry and non-academic constituencies,

representing the department inside and outside of the university, fund raising for a new department building, and conducting faculty searches. The Department had approximately 375 students.

1/2007-6/2008 **Professor and Focus Area Coordinator**, Department of Civil and Environmental Engineering, Ohio University, 151 Stocker Center, Athens, Ohio 45701.

Responsibilities included: creating the construction engineering focus area; developing courses for the new program; developing a certificate program in construction engineering, developing masters and Ph.D. degrees in construction engineering; managing the Construction Engineering program, teaching undergraduate and graduate courses; advising undergraduate and graduate students; guiding graduate student thesis and projects; conducting research; serving on department, college and university committees; hiring faculty members, developing and managing the program budget; administrative assignments; and graduate and undergraduate student recruitment. Interfacing with the Industry Advisory Board members and conducting the Advisory Board Meetings. Worked on raising a ten million dollar endowment for the program. From one of the top five construction firms. Promoting the program regionally and nationally. Developing the program website and brochure. Research areas included: sustainability in industrial construction, critical infrastructure systems protection, forensic engineering, productivity improvement, and global engineering and construction legal issues.

1/1995-12/2006 **Tenured Professor and Program Coordinator** (Associate Professor 1995 – 1997, (tenured in 1997 and full professor in 1999) Department of Civil and Environmental Engineering, San Jose State University, One Washington Square, San Jose, California 95192-0083.

Responsibilities included: designing, developing, and managing the Construction Engineering program; administrative functions; developing twelve new undergraduate and graduate courses; program coordinator for the Construction Engineering program, teaching eleven different undergraduate and graduate courses; advising one hundred undergraduate and forty-five graduate students per year; guiding graduate student thesis and projects; conducting research; serving on department, college and university committees; administrative assignments; faculty advisor for the student chapter of the Associated General Contractors. Graduate student recruitment and admissions for the largest Construction Engineering graduate program in the world with forty-five to fifty students per year. Faculty advisor for the American Association of Cost Engineers International student chapter, faculty co-advisor for the American Society of Civil Engineers student chapter, and faculty advisor for the Concrete Canoe Competition team that placed fifth in the nation. Graduate Program Coordinator for the Civil and Environmental Engineering Department for two years and increased graduate enrollments from forty-five students to one hundred and thirty students. Raised a one million dollar endowment for the Construction Engineering program. Research areas included: global engineering and construction, international standards, productivity improvement, forensic engineering, and preplanning and construction delays and mitigation strategies.

8/1991-12/1994 **Tenured Associate Professor and Program Coordinator** (Promoted in 1992 and Tenured in 1993, Program Coordinator June 1992 to December 1994), Civil and Environmental Engineering Department, NYU Poly (formerly Polytechnic University), Brooklyn, New York

Responsibilities included: administrative functions, program promotion, faculty advisor for the Society of Women Engineers and the American Society of Civil Engineers student chapter, developing courses, teaching, advising graduate students, major professor for masters and Ph.D. students. Secretary of the faculty senate executive committee, which required working with the president of the university, the board of trustees, and the chairman of the board of trustees. Faculty mentor for high school students in the summers. Conducted research in the areas of global engineering and construction, international standards, forensic engineering, and construction delay decision support system.

8/1990-8/1991 **Visiting Assistant Professor**, Acting Construction Program Head; Department of Civil, Environmental, and Architectural Engineering; University of Colorado; Boulder, Colorado.

Responsibilities included: managing the program administrative functions, developing courses, student recruitment, teaching, conducting research, advising undergraduate and graduate students, chair of twenty-three masters and Ph.D. student committees, and conducting research.

8/1987-7/1990 **Assistant Professor**, Department of Civil and Construction Engineering, Iowa State University, Ames, Iowa.

Responsibilities included: developing courses, teaching, conducting research, advising undergraduate and graduate students, chairing masters and Ph.D. student committees, advisor for the Associated General Contractors (AGC) student organization, serving on department and university committees, graduate student recruitment and admissions, and conducting research. Faculty mentor for high school students in the summers.

Feb-July 1987 **Visiting Assistant Professor**, Civil Engineering Department, Texas A&M University, College Station, Texas.

Conducting research and teaching undergraduate civil engineering courses.

1984-1986 **Lecturer (1986) and Instructor (1984-1985)**, Civil Engineering Department, Texas A&M University, College Station, Texas

Responsible for teaching eight sections of fundamentals of engineering economics per year to all engineering disciplines. Classroom lecturing, preparation of class exercises, test development, and grading. Conducting dissertation research and data analysis, and taking fifteen units per semester.

1983-1984 **Assistant Project Engineer and Lecturer**, Pertamina/P.T. Badak Indonesian National Oil Company, Technical Training Center, Bontang, East Kalimantan, Indonesia.

Project engineer on a liquefied natural gas plant that was being built on the Island of Borneo, Indonesia and instructor in the job site Technical Training Center. In addition to project engineering responsibilities, also developed course materials and taught courses for Indonesian engineering supervisors and managers. Conducted research on rural construction techniques in developing countries, international engineering and construction, and training of expatriate engineers.

1982-1983 **Project Manager**, Williams Brothers Engineering Company, Engineering Facilities Division, Tupman, California.

Responsibilities included the development of projects, engineering design, estimating, scheduling, contract administration, construction management, developing contracts and specifications, supervising field personnel and subcontractors, and project closeout for various construction projects.

1980-1981 **Project Controls Engineer**, Bechtel Power Corporation, San Francisco, California.

Cost, scheduling, and planning for design and construction of nuclear power plants. Scheduler for plant design and civil engineering groups on the Pilgrim I and II pressurized water reactor projects and planner/scheduler on two boiling water reactor projects. Completed in-house training programs on home office and field cost control, scheduling, forecasting, trends, power plant design, and nuclear power plant design.

1979- 1980 **Project Estimator**, URS (formerly Washington Group International and Morrison-Knudsen), Boise, Idaho.

Preparing estimates for a variety of heavy civil projects including bridges, roadways, water treatment plants, King Khalid Military City in Saudi Arabia, and the N.A.S.A. space shuttle launch site in Lompoc, California.

1978-1979 **Teaching Assistant**, Department of Civil Engineering, University of Washington, Seattle, Washington.

Duties included teaching geometronics (surveying) laboratories, developing labs, grading for the heavy construction equipment and methods course and for the critical path method scheduling course.

1975-1979 SeFab Steel Fabricators, Seattle, Washington; CH2M Hill Consulting Engineers, Bellevue Washington; Potlatch Forest Products, Lewiston, Idaho; Soils Laboratory, University of Washington School of Forestry, Seattle, Washington.

BOOKS

1. Yates, J. K., 2014, **Engineering and Construction Productivity Improvement**, American Society of Civil Engineers, Reston, Virginia.
2. Yates, J. K., 2013, **Introduction to Sustainable Engineering Design and Construction**, completed in 2013.
3. Yates, J. K., 2011, **Engineering and Construction Law and Contracts**, Prentice Hall/Pearson Publishing, Upper Saddle River New Jersey.
4. Yates, J. K., 2011, **Design and Construction for Sustainability in Industrial Construction: Primer**, The Construction Industry Institute, Austin, Texas.
5. Yates, J. K., 2009, **Design and Construction for Sustainability in Industrial Construction: Implementation Resource**, The Construction Industry Institute, Austin, Texas.
6. Yates, J. K. 2008, **Sustainable Industrial Construction**, The Construction Industry Institute, Austin, Texas.
7. Yates, J. K., 2007, **Global Engineering and Construction**, John Wiley and Sons, Hoboken, New Jersey.
8. Yates, J. K.; and Aniftos, S.; 1996, **International Standards and the ISO 9000 Series of Standards**, Construction Industry Institute, Austin, Texas.
9. Yates, J. K.; Mukherjee, S.; and Njos, S.; 1991, **Anatomy of Construction Industry Competitiveness in the Year 2000**, Construction Industry Institute, Austin, Texas.
10. Dorsey, R. W.; and Yates, J. K.; June 1990, **Collegiate Programs in Construction**, Construction Industry Institute, Austin, Texas (includes a computer software program by developed by Dr. Yates).

REFEREED JOURNAL PUBLICATIONS

1. Yates, J. K., 2013, *Sustainable Waste Minimization Methods for Construction*, **Journal of Construction Innovation**, Vol. 13, No. 3 p. 281 - 301.
2. Yates, J. K., January 2013, *Engineering Careers Case Study: K-12 Recruitment Initiative*, **American Society of Civil Engineers, Journal of Leadership and Management in Engineering**, Vol. 13, No. 1 pp. 3 – 10.
3. Yates, J. K., accepted for publication, January 2013, *Diseño Y Construcción Para Una Construcción Industrial Sustentable*, **American Society of Civil Engineers, Journal of Constructino Engineering and Management**, Special Spanish Edition.
4. Yates, J. K., April 2012, *Forum: University Educational Dilemma: The Challenge of Balancing Teaching with Scholarship*, **American Society of Civil Engineers, Journal of Leadership and Management in Engineering**, Vol. 13, No. 1 pp. 3 – 10.
5. Yates, J. K., accepted for publication September 2012, *Design and Construction for Sustainable Industrial Construction*, **American Society of Civil Engineers Journal of Construction Engineering and Management**.
6. Yates, J. K., August 2011, *Forum: The Art of Negotiation in Engineering and Construction*, **American Society of Civil Engineers Journal of Leadership and Management in Engineering** Vol. 3, No. 3 pp. 94-96.
7. Yates, J. K., August 2010, *Forum: The Art of Mediation in the Engineering and Construction Industry*, **American Society of Civil Engineers Journal of the Legal Affairs and Dispute Resolution in Engineering and Construction**, Vol. 2, No. 3 pp. 136-138.
8. Yates, J. K., July 2010, *Forum: Engineering Knowledge Versus Skills*, **American Society of Civil Engineers Journal of Leadership and Management in Engineering**, Vol. 10, No. 3 pp. 135-137.
9. El-adaway, I.; Ezeldin, A.; and Yates, J.; August 2009, *Arbitral Tribunal Proceedings Case Study: Egyptian Construction Project*, **American Society of Civil Engineers Journal of Legal Affairs and Dispute Resolution in Engineering and Construction**, Vol. 1, No. 3 pp. 147-153.
10. Yates, J. K., May 2009, *Global Terrorism Protection for Project Management Professionals*, **American Association of Cost Engineers International Journal**, Vol. 51, No. 5 pp. 21-27.
11. Castro-Lacouture, D.; Suer, G.; Gonzalez-Joaqui, J.; and Yates, J. K.; October 2009, *Construction Project Scheduling with Time, Cost, and Material Restrictions Using Fuzzy Mathematical Models and Critical Path Methods*, **American Society of Civil Engineers Construction Engineering and Management Journal**, Vol. 135, No. 10 pp. 1096 – 1104.
12. Yates, J. K.; and Smith, J. A.; July 2007, *Global Legal Issues*, **American Society of Civil Engineers Journal of Professional Issues in Engineering Education and Practice**, Vol. 133, No.3 pp. 199-209.
13. Yates, J. K.; and Epstein, A.; April 2006, *Avoiding and Minimizing Construction Delay Claims in Relational Contracting*, **American Society of Civil Engineers Journal of Professional Issues in Engineering Education and Practice**, Vol. 132, No. 2 pp. 1-12.
14. Yates, J. K.; and Duran, J.; October 2006, *Utilizing Dispute Review Boards in Relational Contracting: A Case Study*, **American Society of Civil Engineers Journal of Professional Issues in Engineering Education and Practice**, Vol. 132, No. 4 pp. 334-341.

15. Yates, J. K.; and Battersby, L. C.; November/December 2003, *The Master Builder Project Delivery System and Designer Construction Knowledge*, **American Society of Civil Engineers Journal of Construction Engineering and Management**, Vol. 129, No. 6, pp. 1-10.
16. Yates, J. K.; and Lockley, E.; February 2002, *Documenting and Analyzing Construction Failures*, **American Society of Civil Engineers Journal of Construction Engineering and Management**, Vol. 128, No. 1, pp. 8 - 17.
17. Yates, J. K.; and Eskander, A.; March 2002, *Construction Total Project Management Planning Issues and Delays*, **Journal of the Project Management Institute**, Vol. 33, No. 1, pp. 37-48.
18. Yates, J. K., January/February 2001, *Retention of Nontraditional Engineering and Construction Professionals*, **American Society of Civil Engineers Management in Engineering Journal**, Vol. 17, No. 1, pp. 34 - 48.
19. Yates, J.K.; and Duran, J.; January 2000, *Dispute Review Boards Strength and Weaknesses*, **American Association of Cost Engineers International Journal**, Vol. 42, No. 1 pp. 31-37.
20. Yates, J. K.; and Aniftos, S.; July/August 1998, *Developing Standards and International Standards Organizations*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 14, No. 4, pp. 57-64.
21. Yates, J. K.; and Audi, J.; June 1998, *Using Decision Support Systems for Delay Analysis: The Project Management Perception Program*, **Journal of the Project Management Institute**, Vol. 29, No. 2, pp. 29-39.
22. Yates, J. K.; and Audi, J.; July 1998, *Development of the Project Management Perception Program (PMP)*, **Journal of the Project Management Institute**, Vol. 29, No. 3, pp. 13-20.
23. Yates, J. K.; and Aniftos, S.; September 1997, *Advantages and Disadvantages of E/C International Standards*, **Journal of the Project Management Institute**, Vol. 28, No. 5, pp. 11-22.
24. El-Nagar, H.; and Yates, J. K.; August 1997, *Construction Documentation Used as Indicators of Delays*, **American Association of Cost Engineers International Journal**, Vol. 39, No. 8, pp. 31-37.
25. Yates, J. K.; and Aniftos, S.; June 1997, *International Standards and Construction*, **American Society of Civil Engineers Journal of Construction Engineering and Management**, Vol. 123, No. 2, pp. 127-137.
26. Yates, J. K.; and Aniftos, S.; June 1997, *ISO 9000 Series of Quality Standards and the E/C Industry*, **Journal of the Project Management Institute**, Vol. 28, No. 2, pp. 21-31.
27. Yates, J. K.; and Aniftos, S.; May 1997, *Engineering and Construction Industry Standards Developers*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 13, No. 3, pp. 31-39.
28. Burton, D.; Butler, D.; Cronin, M.; Fisher, D.; Kezslom, D.; Rupp, E.; Seber, S.; and Yates, J., May 1997, *Women in Construction 25 Years Later*, **American Association of Cost Engineers International Journal**, Vol. 39, No. 5, pp. 12-17.
29. Yates, J. K.; and Terrero, N.; February 1997, *Construction Industry Safety Measures*, **American Association of Cost Engineers International Journal**, Vol. 39, No. 2, pp. 23-32.

30. Yates, J. K.; and Aniftos, S.; July 1996, *International Standards: U.S. Construction Industry Competitiveness*, **American Association of Cost Engineers International Journal**, Vol. 38, No. 7 pp. 32-37.
31. Trautner, J.; Chou, K.; Yates, J.; and Stalnaker, J.; January 1996, *Women Faculty in Engineering: Changing the Academic Climate*, **Journal of the American Society for Engineering Education**, Vol. 85, No. 1, pp. 45-51.
32. Yates, J. K., November/December 1995, *The Use of Design/Build in the E&C Industry*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 11, No. 6, pp. 33-38.
33. Yates, J. K., March 1995, *Competition Beyond the Year 2000 in the Engineering and Construction Industry*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 7, No. 1, pp. 33-37.
34. Yates, J. K., December 1994, *Forces Driving Competition in the Engineering and Construction Industry in the 1980s and 1990s*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 6, No. 4, pp. 13-21.
35. Yates, J. K.; and Mukherjee, S.; March 1994, *The Increasing Role of Privatization in Engineering and Construction*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 10, No. 2, pp. 57-65.
36. Yates, J. K., January 1994, *Construction Competitiveness and Competitive Strategies*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 10, No. 1, pp. 58-69.
37. Yates, J. K., 1994, *Effects of Competition on the Global Engineering and Construction Marketplace*, **International Journal of Technology in Society**, Vol. 16, No. 2, pp. 199-224.
38. Yates, J. K., July 1993, *Construction Workforce in the Year 2000*, **American Association of Cost Engineers International Journal**, Vol. 35, No.7, pp. 13-20.
39. Yates, J. K., June 1993, *Construction Decision Support System for Delay Analysis (DAS)*, **American Society of Civil Engineers Journal of Construction Engineering and Management**, Vol. 119, No. 2, pp. 226-244.
40. Yates, J. K.; and Mukherjee, S.; June 1993, *International Alliances in Construction*, **Journal of the Project Management Institute**, Vol. 24, No. 3, pp. 1-9.
41. Yates, J. K.; and Guhathakurta, S.; January 1993, *International Labor Productivity*, **American Association of Cost Engineers International Journal**, Vol. 35, No. 1, pp. 15-25.
42. Yates, J. K., June 1992, *Women and Minorities in Construction and Engineering in the 1990s*, **American Association of Cost Engineers International Journal**, Vol. 34, No. 6, pp. 9-12.
43. Vardhan, C.; and Yates, J. K.; December 1992, *Implementation of Constructability Concepts* **Journal of the Project Management Institute**, Vol. 23, No. 4, pp. 29-38.
44. Yates, J. K.; and Rahbar, F.; June 1992, *Setting Objectives for International Engineering and Construction*, **Journal of the Project Management Institute**, Vol. 23, No. 2, pp. 15-21.
45. Rahbar, F.; Spencer, G. R.; and Yates, J. K.; July 1991, *Project Management Knowledge Engineering System*, **American Association of Cost Engineers International Journal**, Vol. 33, No. 7, pp. 15-23.

46. Yates, J. K., March 1991, *International Competitiveness of U.S. Construction Firms*, **Journal of the Project Management Institute**, Vol. 22, No. 1, pp. 25-30.
47. Yates, J. K., January 1991, *International Training Survey of U.S. Engineers and Constructors*, **American Society of Civil Engineers Journal of Professional Issues in Engineering**, Vol. 117, No. 1, pp. 27-47.
48. Yates, J. K., December 1990, *Database Systems for Evaluating Construction Programs*, **American Society of Civil Engineers Journal of Construction Engineering and Management**, Vol. 116, No. 4, pp. 624-642.
49. Yates, J. K., January 1990, *Innovative Construction Financing Techniques*, **American Association of Cost Engineers International Journal**, Vol. 32, No. 1, pp. 7-12.
50. Yates, J. K., July 1989, *Training Expatriate Engineering Professionals*, **American Society of Civil Engineers Journal of Management in Engineering**, Vol. 5, No. 3, pp. 257-271.

REFEREED CONFERENCE PROCEEDINGS

1. Yates, J. K., August 2008, *Sustainable Design and Construction for Industrial Construction*, **Construction Industry Institute**, Keystone, Colorado pp. 241 – 281.
2. Yates, J. K.; and Battersby, L.C.; March 2003, *Designer Construction Knowledge and its Effects*, **American Society of Civil Engineers Construction Research Congress**, Honolulu, Hawaii.
3. Yates, J.; Voss, M.; and Tsai, K.; October 1999, *Creating Awareness about Engineering Careers: Innovative Recruitment and Retention Initiatives*, **IEEE and ASEE International Conference**, Puerto Rico.
4. Yates, J. K.; and Audi, J.; October 1997, *Construction Delays - Automated Analysis*, **Society of Civil Engineers Construction Congress IV**, Annual Conference, Minneapolis, Minnesota, pp. 123-130.
5. Yates, J. K.; and Aoude, H.; October 1995, *Construction Delay Analysis System Computer Program*, **American Society of Civil Engineers Construction Congress**, Annual Convention, San Diego, California, pp. 235-240 (Yates 60%).
6. Yates, J. K.; Voss, M. L.; Tsai, K. W.; March 19-20, 1999, *Creating Awareness on Engineering Careers*, **American Society of Engineering Education Pacific Southwest Conference**, Las Vegas, Nevada.
7. Rahbar, F.; and Yates, J. K.; April 1991, *A Knowledge Engineering System for Inquiry-Feedback Project Management*, **American Society of Civil Engineers Construction Congress II**, Boston, Massachusetts, pp. H.1.1 – H.1.5.
8. Yates, J. K.; and Eskander, A.; September 1997, *Preplanning Project Delays*, **Project Management Institute**, Annual Conference, Chicago, Illinois.
9. Yates, J. K.; and Eskander, A.; September 1997, *Project Technological Changes in the Future*, **Project Management Institute**, Annual Conference, Chicago, Illinois.
10. Yates, J. K.; and Aoude, H.; October 1995, *Construction Delay Information Management Communication System*, **Project Management Institute**, Annual Conference, New Orleans, Louisiana, pp. 233-238.

PRESENTATIONS, TRANSACTIONS, AND PUBLICATIONS

1. Yates, J. K., March 2013, *Engineering Careers*, **Michigan Independent School District**, Big Rapids, Michigan.
2. Yates, J. K., February 2013, *Dress for Success*, **Ferris State University Career Services**, Big Rapids, Michigan.
3. Yates, J. K. November 2013, *Dress for Success*, **Ferris State University, College of Engineering Technology**, Big Rapids, Michigan.
4. Yates, J. K., May 2012, *You Go Girl*, **Western Carolina University High School Education Center**, Cullowhee, North Carolina
5. Yates, J. K., November 2010, *Sonia Kovalewsky High School Mathematics Day*, **Western Carolina University**, Cullowhee, North Carolina.
6. Yates, J. K., December 2008, *Ethics in Engineering and Construction*, **Concrete for the 21st Century Conference**, Fargo, North Dakota.
7. Yates, J. K., October 2008, *Careers in Construction*, **Cavalier High School Engineering Day**, Cavalier, North Dakota.
8. Yates, J. K., December 2008, *Building Information Modeling*, **North Dakota Associated General Contractors Annual Convention**, Bismarck, North Dakota.
9. Yates, J. K., October 2008, Prepared Presentation, *Sustainable Design and Construction for Industrial Construction* **Northwest Construction Council Annual Conference**, Seattle, Washington.
10. Yates, J. K., October 2008, Prepared Presentation, *Sustainable Industrial Construction*, Product Improvement Workshop, **Construction Industry Institute**, Chicago, Illinois.
11. Yates, J. K., September 2007, *Taking Back the Pride*, **Ohio Contractor's Association Workforce Magazine**, pp. 22-24.
12. Yates, J. K., July 2007, *Editorial: Globalization of Engineering and Construction Legal Issues*, American Society of Civil Engineers, **Journal of Professional Issues in Engineering Education and Practice**, Vol. 133, No. 3 pp. 1-2.
13. Yates, J. K., April 2007, *Civil Engineering as a Profession*, **Women in Science and Engineering (WISE) K-12 presentations**, Ohio University.
14. Yates, J. K., March 1997, *Design/Build in the Construction Industry - a Cost Engineers Perspective*, **American Association of Cost Engineers International Western Regional Conference**, Monterey, California.
15. Yates, J. K., August 1995, *International Standards*, **Construction Industry Institute Annual Conference**, San Diego, California.
16. Yates, J. K.; and Aoude, H.; June 1995, *Construction Delay Analysis System*, **American Association of Cost Engineers International Annual Conference Transactions**, San Diego, California.

17. Yates, J. K.; and Aniftos, S.; June 1994, *International Standards: U.S. Construction Industry Competitiveness*, **American Association of Cost Engineers International Annual Conference Transactions**, San Diego, California.
18. Yates, J. K., June 1994, *Construction Education: Computerized Analysis System*, **American Association of Cost Engineers International Annual Conference Transactions**, San Francisco, California, pp. 197-203.
19. Yates, J. K., March 31, 1994, *Design/Build in the Year 2000*, Invited Presentation, **Design/Build America Conference Keynote Speaker**, Design/Build Institute, Washington D.C.
20. Yates, J. K., January 1994 *Construction Workforce in the Year 2000*, **American Association of Cost Engineers International**, New York Section.
21. Yates, J. K., August 1993, *International Standards and You*, **Construction Industry Institute Annual Conference**, San Antonio, Texas.
22. Yates, J. K., May 19, 1993, *Women and Minorities in Engineering and Construction*, **Southwest Ohio Chapter of the Project Management Institute**, Cincinnati, Ohio.
23. Yates, J. K., April 22-23, 1993, *Engineering Career Changes*, **Society of Women Engineers Regional Conference**, Princeton University, Princeton, New Jersey.
24. Yates, J. K., June 1992, *A Computerized Inquiry-Feedback Knowledge Engineering System* **American Association of Cost Engineers International Transactions**, Annual Conference, Orlando, Florida, pp. C23-C29.
25. Yates, J. K., June 1991, *Construction Competitiveness in the 21st Century*, **American Association of Cost Engineers International Transactions**, Annual Conference, Seattle, Washington.
26. Rahbar, F.; and Yates, J. K.; June 1990, *Executive Summary Status Report*, **American Association of Cost Engineers International Transactions**, Annual Conference, Boston, Massachusetts, pp. R-1R16.
27. Yates, J. K., August 1990, *Collegiate Programs in Construction*, **Construction Industry Institute Annual Conference**, Nashville, Tennessee.
28. Yates, J. K., January 11 and 12, 1990 *Major Themes in Construction Competitiveness in the Year 2000*, **Construction 2000 Symposium: Construction Industry Institute**, Scottsdale, Arizona.
29. Yates, J. K., January 1991, *Anatomy of Construction Industry Competitiveness in the Year 2000*, Invited Keynote Speaker Panel Member, **Associated Builders and Contractors**, Annual Conference, Maui, Hawaii.
30. Yates, J. K., January 1991, *A Look into Construction's Future*, **Builder and Contractor**, **Associated Builders and Contractors** (magazine article), Washington, D.C., Vol. 39, No. 1, pp. 24-26.
31. Yates, J. K., February 1991, *Project Management Knowledge Engineering System*, **Women in Construction Conference**, California Polytechnic State University, San Luis Obispo, California.
32. Yates, J. K., March 27, 1991, *Construction Labor Availability*, **Northwest Construction User's Council of the Business Roundtable**, Seattle, Washington.

33. Yates, J. K., August 1991, *Construction 2000 - Competitiveness*, **Construction Industry Institute Annual Conference**, Monterey, California.

TECHNICAL REPORTS

1. Yates, J. K., 1998 – 2003, Five yearly annual reports for Hewlett Packard research project, **Hewlett Packard Foundation**.
2. Yates, J. K., *Construction Delay Analysis Computer System*, May 1995, **National Science Foundation**, Phase II Final Report.
3. Yates, J. K., November 1995, **International Standards and the U.S. Construction Industry**, Special Publication, Construction Industry Institute, Austin, Texas.
4. Yates, J. K., *Construction Delay Analysis Computer System*, March 1995, **National Science Foundation**, Phase II Report.
5. Yates, J. K. *International Standards*, Interim Report, June 1994, **Construction Industry Institute**.
6. Yates, J. K., *Construction Delay Analysis Computer System*, May 1994, **National Science Foundation**, Phase 1 Report.
7. Yates, J. K., *Anatomy of Construction Industry Competitiveness in the Year 2000*, March 1992, **Construction Industry Institute**.
8. Yates, J. K., *Knowledge Engineering System for Inquiry-Feedback Project Management*, July 1991, Phase 1 Report, **National Science Foundation**.
9. Yates, J. K., *Collegiate Programs in Construction Software Program*, October 1991, **Construction Industry Institute**.

FUNDED RESEARCH PROPOSALS AND CONTRACTS

1. *Sustainable Design and Construction – Industrial Construction Primer*, **The Construction Industry Institute**, September 1, 2007 to September 1, 2008, \$74,940, awarded August 2007.
2. Sabbatical, *Global Engineering and Construction Book*, **San Jose State University**, fall Semester of 2005.
3. *HP Industry/Academic Collaboration*, **Hewlett Packard Foundation Grant**, Principal Investigator, funded for \$840,000, June 1997 to June 2003. Required the coordination of eleven different entities by the Principal Investigator.
4. *Hands-On Inquiry Based Laboratory Exercises for Construction*, **San Jose State University**, fall 2000, Lottery Professional Development Grant, awarded October 2000, \$1,750.
5. *Funds to Improve the Equipment in the Construction Laboratory*, **San Jose State University**, fall 1999, Lottery Professional Development Grant, awarded January 1999, \$1,945.
6. *Summer Research Internships at San Jose State University's College of Engineering for High School Students*, **National Science Foundation**, January 1999 - January 2000, \$30,000, with the East Side Unified School District High Schools, Principal Investigator.
7. *Preplanning Delays*, Faculty Development Grant, **San Jose State University**, and release time of 6 units of coursework for spring 1997.

8. *International Standards*, Faculty Development Grant, **San Jose State University**, release time of 6 units of coursework for spring 1996.
9. *International Standards Computer Program*, California State University Research Grant, **San Jose State University**, student assistant support, summer of 1996 (\$2,000).
10. *Construction Delay Analysis System - Research Experience for Undergraduates Supplement* **National Science Foundation**, January 1995 to January 1996, \$10,000.
11. *International Standards: U.S. Construction Industry Competitiveness*, **Construction Industry Institute**, July 15, 1993 to January 15, 1995, funded for \$65,000.
12. *Construction Delay Analysis System - Research Experience for Undergraduates Supplement*, **National Science Foundation**, May 20, 1993 to August 30 1993, \$10,000.
13. *A Knowledge Engineering System for Inquiry-Feedback Project Management*, **National Science Foundation**, July 1, 1990 to December 31, 1992, \$60,000.
14. *Anatomy of Construction Industry Competition in the Year 2000*, **Construction Industry Institute**, 1989 to 1990, \$63,250.
15. *Evaluation of Collegiate Curricula, Graduate Level Education*, **Construction Industry Institute**, 1989 - 1990, Phase II, \$6,000.
16. *Evaluation of Collegiate Curricula to Prepare Management Personnel for Construction*, **Construction Industry Institute**, 1989 - 1990, Phase I, \$12,000.

RESEARCH PROPOSALS - NOT FUNDED

1. *Failure Analysis System for Temporary Structures (FASTS) Early Warning Detection System for Determining Construction Material Failure*, **National Science Foundation**, submitted September 26, 2011 \$398,921.
2. *Construction Course Curriculum Modules (C3M)*, **National Science Foundation**, September 2011 to September 2014, \$360,118.
3. *Industrial Construction Sustainability Certification Evaluation System (SCES)*, **National Science Foundation**, September 2010 to September 2013, \$360,118.
4. *Construction Operation Failure Detection System Utilizing Computerized MOTES*, **National Science Foundation**, September 1, 2010 to September 2013 \$299,876.
5. *Innovative Project Deliver Processes – Is there a Better Way?*, **The Construction Industry Institute**, September 1, 2009 to September 2011, \$198,980 with Dr. Eric Asa.
6. *Project Management Skills for the Twenty-first Century*, **The Construction Industry Institute**, September 1, 2009 to September 1, 2011, \$199,341.
7. *Construction Course Curriculum Modules (C3M)*, **National Science Foundation**, September 1, 2009 to September 1, 2012 \$374,413.
8. *Sustainable Design and Construction for Heavy/Highway and Industrial Construction*, **National Science Foundation**, September 1, 2009 to September 1, 2012 \$374,413.
9. *Critical Infrastructure Protection and Designing for Protection*, **National Science Foundation**, September 1, 2009 to September 1, 2012, \$374,413.

10. *Bridge Contractor Selection System (BCSS)*, **National Science Foundation**, September 1, 2009 – September 2012, Co-PI with Dr. Eric Asa.
11. *Construction Environmentally Informed Decision System (CEIDS)*, **National Science Foundation**, September 1, 2009 to September 1, 2012, Co-PI with Dr. Eric Asa, \$374,413.
12. *Product Integrity in Low-Cost Sourcing Countries*, **The Construction Industry Institute**, September 2008 to September 2009, \$199,874.
13. *Global Engineering and Construction*, **The Construction Industry Institute**, September 2008 to September 2009, \$199,874.
14. *Construction Engineering and Management Program Heads Workshop*, **National Science Foundation**, August 2007 to August 2008, \$39,040. Funding was offered by the NSF but was turned down by the principal investigator.
15. *Estimating as a Competency in Capital Projects – Industrial Construction*, **The Construction Industry Institute**, June 2007 to June 2009, \$196,070.
16. *Lawyerization of the Engineering and Construction Industry*, **The Construction Industry Institute**, April 2005 to April 2007, \$173,211.
17. *Examination of the Shipbuilding Industry*, **The Construction Industry Institute**, April 2005 to April 2007, \$173,211.
18. Research Development Grant, *Computerized Construction Failure Detection System Utilizing MOTES*, **San Jose State University**, Spring 2004, .4 units of release time.
19. *Information Flow to Support Project Planning – Planning Delay Analysis Method (PDAS)*, **The Construction Industry Institute**, April 2004 to April 2006, \$178,458.
20. *Impact of Futuristic Predictions on the E&C Industry*, **The Construction Industry Institute**, April 2004 to April 2006, \$186,458.
21. *International Engineering and Construction*, Global Studies Initiative, fall 2003, **San Jose State University**, .2 units of release time.
22. *Construction Updating*, Sabbatical Proposal, **San Jose State University**, fall 2003.
23. *Construction Environmentally Informed Decisions*, **San Jose State University Development Grants**, Fall 2003 for .4 units of release time for Spring 2003.
24. *Comparison of Outcomes on Projects Using Contractor Prequalification versus Non-Restricted Bidding*, **California State University Awards for Research, Scholarship, or Creative Activity**, Spring 2003 for Summer 2003, \$7,500.
25. *Viability of Separate Prime Contracts Versus Single Prime Contracts in California State School Rehabilitation Projects*, **San Jose State University Research Development Grant**, fall 2003, .5 release time.
26. *Multimedia CD-ROMS for Project Management*, **National Science Foundation**, January 2000 to January 2003, \$416,000.
27. *Collaborative Project for Women in Engineering*, **National Science Foundation**, February 2000 to February 2003, \$567,000.

28. *Multimedia, Interactive CD-ROMS for Civil and Construction Engineering*, **National Science Foundation**, June 2000 to June 2003, \$492,000.
29. *Female Student Math Programs*, **National Science Foundation**, June 1999 - June 2000, \$30,000, Co-Principal Investigator, 2000.
30. *Diversity in Education - Grade School Science Kits*, **Intel Foundation**, June 1999 - June 2000, \$5,000, Co-Principal Investigator.
31. *Diversity in Education*, **National Science Foundation**, September 1999 to September 2002, \$840,000.

COMMITTEES

National Committees:

Design and Construction for Sustainability – Construction Industry Institute, 2007-2009
 International Standards and the ISO 9000 Series of Standards – Construction Industry Institute, 1993-1995
 Construction 2000 – Construction Industry Institute, 1989-90
 Education and Training – Construction Industry Institute, 1989-1990

Statewide Committees:

Manufacturer's Council, 2012 to present
 University Partnership Committee, 2012 to present
 Ohio Contractor's Association – Education Task Force, August 2007 to 2008

University Level Committees:

University Budget Committee, 2013 to present
 Dean' Council, 2012 to present
 University Tenure, Retention, and Promotion Committee, 2010 - 2012
 University Judicial Committee, 2008 - 2009
 University Research Grant Committee, 2000
 University Research Policy Committee, 1993 - 1994
 Secretary of the Faculty Executive Committee, 1993 - 1994
 Student Recruitment Committee, 1992 – 1994

College Level Committees

Dean's Student Advisory Council Committee Chair, 2012 to present
 Student Recruitment Committee Chair, 2012 to present
 College of Engineering Technology Leadership Committee Chair, 2012 to present
 College of Engineering Technology Department Chair Committee Chair – 2012 to present
 Kimmel School Tenure, Retention, and Promotion Committee, 2011-2012
 Computer Network Committee, 2008 - 2010
 Student Affairs Committee, 2004
 Graduate Studies and Research, 2000 - 2004
 Student Fairness Committee, 2000
 Engineering Student Recruitment, 1995 - 2001
 Engineering Outreach Chair Committee, 1995 - 2001
 Dean's Review Committee, 1999 - 2000
 Strategic Planning Committee, 1996 - 2000
 Review of Academic Priorities Committee, 1996

Retention, Tenure, and Promotion Committee, 1998 - 1999
Hewlett Packard Proposal Chair, 1996 -1997
Dean's Educational Relations Committee, 1987 - 1989

Department Level Committees

Curriculum Committee, 2010 - 2013
Department Tenure, Retention, and Promotion Committee, 2010 - 2012
Faculty Search Committee, 2010 - 2012
Promotion and Tenure Committee, 2009 - 2010
Faculty Search Committee, fall 2009
Construction Engineering/Structures Faculty Search Committee, fall 2007
Structures Subcommittee, fall 2007
Advising, Recruitment and Retention of Students Committee, 2007 - 2008
Retention, Tenure, and Promotion Committee, 2005
ABET Committee, 1995 - 2001 and 2002 - 2006
Graduate Program Review Report Chair and author of the report, 2002.
Retention, Tenure, and Promotion Committee, 2001 - 2002
Faculty Merit Increase Committee, 2000
Retention, Tenure, and Promotion Committee Chair, 1995 - 2002
Department Chair Review Committee, 2000
Graduate Program Committee Chair, 2000 - 2001.
Equipment Committee, 1997 - 1998
Workload Committee, 1998 -1 999
Department Head Review Committee, 1997
Curriculum Review Committee, 1996 - 2005
Social Committee, 1991 - 1995
ABET Committee, 1991 - 1995
Faculty Council, 1989 - 1990
Curriculum Committee, 1987 - 1990
Department Executive Officer Advisory Council, 1989 - 1990
Graduate Program Development Committee, 1987 - 1989
Graduate Recruitment and Admissions, 1988 - 1991

STUDENT ACTIVITIES

Construction Management Club Co-Advisor 2010 to 2012
Society of Women Engineers, Faculty Mentor, 2007 - 2008
Ohio Contractors Association Estimating Competition, February 2007 and February 2008, Columbus, Ohio.
Associated General Contractors Faculty Advisor, 1996 - 2005 (included fund raising)
American Association of Cost Engineers Faculty Advisor ,1997 - 2006
American Society of Civil Engineers Faculty Co-Advisor, 1996 - 2000.
American Society of Civil Engineers Faculty Advisor, 1993 - 1994
Society of Women Engineers Faculty Advisor, 1992 - 1994
Undergraduate student mentor, 1995 - 1999
Youth in Engineering and Science Program Mentor, summer 1992
Summer Intern Mentor (High School and Undergraduate), 1988 - 1990
Undergraduate Recruitment - Freshman Engineering Presentations, 1987-1989

STUDENT EVALUATIONS

Received student evaluations of 4.5 to 5.0 out of a possible 5.0 for courses at North Dakota State University, Ohio University, San Jose State University, Polytechnic University, and Iowa State University, for all of the evaluation questions and for overall performance and 3.6 and higher out of a possible 4.0 at Western Carolina University for all questions and overall performance.

COURSES TAUGHT

Sustainability in Construction, graduate course online (spring 2012 27 students)
Construction Legal Aspects, undergraduate course (spring 2011 - 20 students, spring 2012 28 students)
Professional Development Seminar, undergraduate course (fall 2010 – 28 students, spring 2011 - 22 students, fall 2011 - 22 students, spring 2012 21 students)
Research in Construction, graduate course online (fall 2010 - 5 students)
Financial Cost Concepts for Construction Managers, undergraduate course (spring 2010 - 75 students)
Construction Contracts and Specifications, undergraduate course (fall 2009 – 28 students)
University Studies, undergraduate course (fall 2009 - 28 students)
Construction Estimating, graduate course (fall 2009 - 6 students)
Senior Design Construction Engineering Capstone Course, undergraduate course (spring 2009 - 6 students)
Construction Law, undergraduate course (spring 2008 - 16 students)
Construction Cost Estimating, undergraduate course (winter 2008 - 22 students)
Construction Engineering and Management, undergraduate course (fall 2008 - 43 students)
Construction Scheduling, undergraduate course (spring 2007 - 18 students)
Construction Estimating, undergraduate course (winter 2007 - 14 students)
Construction Equipment and Methods, undergraduate course (fall 2000 - 36 students, fall 2002 - 25 students, fall 2003 - 37 students, fall 2004 - 26 students, fall 2006 -38 students)
Construction Law, graduate course, (2000 - 23 students, 2002 - 30 students, 2003 - 37 students, 2005 - 38 students, 2006 - 34 students)
Professional Development I and II, undergraduate course (1996 - 120 students, 1997 spring - 130 students 1997, fall -110 students, 1998 spring - 75 students, fall 1998 - 120 students, fall 1999 - 40 students, fall 2000 - 30 students, fall 2001 - 22 students, spring 2003 - 15, fall 2003 - 10 students).
Construction Management, graduate course (1997 - 24 students, 1998 - 25 students, 2000 – 28 students, 2001 - 18 students, 2002 - 30 students, spring 2003 - 25 students, fall 2004 - 30 students, spring 2006 - 38 students)
Project Management for Construction, undergraduate course (1996 - 70 students, 1997 - 45 students, 1998 40 students, 1999 - 40 students, 2000 - 30 students, 2001 - 36 students, 2002 - 45 students, 2003 – 5 students, 2004 - 28 students, 2005 - 37 students, 2006 - 38 students)
Construction Project Development, graduate course (1995 - 27 students, 1997 - 25 students, fall 2004 - 25 students, spring 2006 - 38 students)
Law and Contracts for Civil Engineers, undergraduate course (1995 - 37 students, 1996 - 75 students, 1997 - 40 students, 1998 - 27 students, 1999 - 80 students, 2000 - 50 students, 2001 - 25 students, 2002 – 40 students, spring 2003 - 31 students, spring 2004 - 32 students, spring 2005 - 41 students, spring 2006 - 38 students)
Civil Engineering Economic Analysis, undergraduate course (1995 - 42 students, 1996 - 45 students, 1997 – 30 students, 2001 - 45 students, 2003 - 60 students, fall 2004 - 45 students)
Estimating and Scheduling, graduate course, (1995 - 20 students, 2001 - 20 students, 2002 - 32 students, spring 2004 - 30 students)
Information Systems in Project Management, graduate course (1994 - 25 students, 1996 - 25 students, 1999 - 15 students, 2005 - 30 students)
Contracts and Specifications, graduate course (1990 - 29 students, 1993 - 24 students, 1994 - 30 students)
Project Management in Construction, undergraduate course (1991-1993 - 12 students, 1993 - 5 students, spring 2004 - 30 students)
Construction Cost Estimating, graduate course (1992 - 25 students, 1993 - 41 students, 1995 - 20 students)
Engineering Measurements and Instrumentation (Surveying) undergraduate course (1992 - 42 students 1993 - 42 students.
Project Planning and Scheduling, graduate/undergraduate course (1991 - 12 students, 1990 - undergraduate and graduate - 29 students)
Construction Engineering I - Productivity and Design of Operations, graduate course (1991 - 23 students, 1992 graduate - 12 students)
Engineered Construction for Civil Engineers, senior civil engineering capstone course (1999 - 45 students)
Construction Management Current Issues, graduate course (Summer 1993 - 15 students)
Construction Management: Function and Processes graduate (1988-1991 - 20 - 30 students per semester, 1995 - 27 students)

Construction Financing and Marketing, graduate course (1994 - 14 students, 1988-1990 graduate - 29 students, 1994 graduate - 14 students)
Advanced Technologies in Construction (1989-1991 graduate - 12 students)
Contractor Organization and Management, undergraduate (1987-1989 - total 120 students)
Decision and Risk Analysis, graduate course (1990 - 23 students)
Engineering Economics, undergraduate, (1984-1987 - over 500 students total and course coordinator for ten sections per year and teaching four sections per semester)

COMMITTEE CHAIR FOR DISSERTATION AND THESIS RESEARCH

1. *The Design, Bid, Build Contracting Approach*, M. S. Thesis, Alexander Gore, May 2011, North Dakota State University, Committee Member.
2. *Insulated Bi-Fold Doors*, M.S. Project, Jon Frikken, May 2009, North Dakota State University, Committee Member.
3. *Design and Construction for Sustainability*, M.S. Thesis, Hakob Avetisyan, August 2008, Ohio University.
1. *Project Scheduling: A Fuzzy Logic Approach*, M.S. Thesis, Julian Gonzalez, June 2007, Ohio University.
2. *Chromated Copper Arsenate (CCA) and Its Impact on Construction Workers and the Environment*, M.S. Thesis, Kenneth Nowak, May 2007, San Jose State University.
3. *Global Legal Issues in Construction*, M.S. Thesis, Joseph Smith, May 2007, San Jose State University.
4. *A Study Of Northern California Small Volume Home Builders Cash Flow Processes As An Important Qualitative Factor That Determines A Builders Long-Term Success*, M.S. Thesis, Mark McDonald, May 2007, San Jose State University.
5. *Environmental Issues that Affect Engineering in South Korea*. M.S. Project, June Park, August 2005, San Jose State University.
6. *Environmental Affects on Construction in Europe*, M.S. Project, Hyoung Kyun Kim, August 2005, San Jose State University.
7. *Environmental Issues in Engineering and Construction in India*, M.S. Project, Meenashi Grandhi, August 2005, San Jose State University.
8. *Global Terrorism: Kidnapping and Design Considerations*, M. S. Project, Bogdan Claianu, August 2005, San Jose State University.
9. *Master Builder Project Delivery System and Designer Construction Knowledge*, M.S. Thesis, Leslie Battersby, December 2000, San Jose State University, Outstanding Thesis Award for the College of Engineering.
10. *Environmental Concerns During Construction*, M.S. Thesis, Chandrani Nadakarani, May 2000, San Jose State University.
11. *Delays During Construction Preplanning*, Ph.D. Dissertation, Adel Eskander, June 1998, Polytechnic University.
12. *Forensic Engineering Investigation of Construction Failures*, Ph.D. Dissertation, Edward Lockley, June 1998, Polytechnic University.

13. *International Standards: U.S. Construction Industry Competitiveness*, Ph.D. Dissertation, Stylianos Aniftos, May 1995, Polytechnic University.
14. *Construction Decision Support System for Delay Analysis*, Ph.D. Dissertation by Hisham Aoude, May 1995, Polytechnic University.
15. *Construction Management Education*, M.S. Project by Constantino Sakarellos, May 1995, Polytechnic University.
16. *Tunneling Processes in Construction*, M.S. Project, Huang-Ko Fong, May 1995, Polytechnic University.
17. *Safety Issues in the Construction Industry: A Case Study*, M.S. Project by Nancy Terrero, 1993, Polytechnic University.
18. *State of the Art in Construction Estimating*, M.S. Project by Shittu Aderworle, 1993, Polytechnic University.
19. *Construction Claims Processing*, M.S. Project by Alan Epstein, May 1993, Polytechnic University.
20. *Construction Documentation and Indicators of Delay*, M.S. Project by Hala El-Nagar, 1993, Polytechnic University.
21. *Construction Contracting Methods: A Case Study Approach*, M.S. Project by David White, 1992, Polytechnic University.
22. *A Study in Productivity Improvement Programs for Three Structures*, M.S. Thesis by Basel Al-Fatih, 1991, University of Colorado.
23. *Efficient Equipment Selection for Earthmoving Operation Using GPSS Simulation Language*, M.S. Thesis by Khalid Al-Senani, 1991, University of Colorado.
24. *Constructability: An Architectural Systems Approach*, M.S. Thesis by Chandrika Vardhan, 1991, Iowa State University.
25. *Study of Cost Management in the Construction Industry*, M.S. Project by Seong-Oh Jeon, 1990, University of Colorado.
26. *Shear Testing of Bonded Overlays and Tiles*, M.S. Project by Chetan J. Mehta (co-advisor), 1990, University of Colorado.
27. *Construction Productivity in Bahrain*, M.S. Thesis by Basim Yacob Alhamer (co-advisor), 1990, University of Colorado.
28. *Competition in the Year 2000: An Organizational Approach to Privatization and Build, Own, and Transfer Projects in the International Construction Arena*, M.S. Thesis by Subhransu Mukherjee, 1990, Iowa State University.
29. *Construction Industry Competitiveness*, M.S. Thesis by Steve Njos, 1990, Iowa State University.
30. *Constructability Issues from a Mechanical Perspective*, M.S. Project by Mike Hubers, 1990, Iowa State University.
31. *Appropriate Low Income Housing Technology for Developing Countries*, M.S. Thesis by Yashavanth Anantharaj, 1989, Iowa State University.

32. *Managing Projects in International Construction*, M.S. Thesis by Fred Rahbar, 1989, Iowa State University.
33. *Labor Productivity and the Determination of Optimal Technologies*, M.S. Thesis by Swagata Guhathakurta, 1989, Iowa State University.
34. *Mass-Housing Approach to Solving the Housing Problem in Arab Countries*, M.S. Project by Essam Badawi, 1990, Iowa State University, Committee Member.
35. *A Pilot Study for Achieving Construction Project Success in Developing Countries*, M.S. Project by Carlos Moreno, 1989, Iowa State University, Committee Member.