

CIVIL, CONSTRUCTION, AND ENVIRONMENTAL ENGINEERING

OREGON STATE UNIVERSITY

College of Engineering

ROGGE, David F.

Associate Professor

DEGREES

B.S., Civil Engineering, University of Nebraska at Lincoln, 1970
M.S., Civil Engineering, University of Nebraska at Lincoln, 1971
Ph.D., Civil Engineering, University of Texas at Austin, 1981

ACADEMIC POSITIONS

CCE Assistant Department Head for CEM, July 2009 – Present
CCE Associate School Head, 2007 – 2009
CCEE Assistant Department Head, November 2004 – 2007
Program Leader, Construction Engineering Management, OSU, 2000 - 2007
Associate Professor, Oregon State University, 1992-present
Assistant Professor, Oregon State University, 1982-1992
Visiting Professor, University of Texas at Austin, Summer 1986
Visiting Professor, Instituto Tecnológico de Costa Rica, Cartago, Costa Rica, July-November, 1983
Instructor, University of Texas at Austin, 1979-1981

NON-ACADEMIC POSITIONS

Engineer-in-Training, California Division of Highways, San Francisco, CA, Summer 1967
Engineer-in-Training, California Division of Highways, Los Angeles, CA, Summer 1968
Engineer-in-Training, EXXON, East Texas Division, Houston, TX, Summer 1969
Engineer-in-Training, Nebraska Department of Roads, Lincoln, NE, Summer 1970
Project Engineer, Procter & Gamble Engineering Division, Cincinnati, OH, 1972-1976
Resident Project Manager, Procter & Gamble Engineering Division, Albany, GA, 1976-1977
Project Manager, Bernard Johnson Inc., Engineers Architects and Planners, Houston, TX, 1978-79
Consultant, Hoffman Construction Co., Portland, OR, Summer 1982
Consultant, Instituto Tecnológico de Costa Rica, Cartago, Costa Rica, July -- December, 1983
Consultant, Kiewit-Pacific Construction Co., Florence Jetty Project, Florence, OR, Summer 1984
Consultant, Hamilton Construction Co., Springfield, OR, Summer 1985

PROFESSIONAL ACTIVITIES

Registration

Professional Engineer, State of Ohio, No. E-40185 (Civil)

Professional Societies

Member and 1986-87 President of Oregon Chapter, American Association of Cost Engineers.
Past (1984-1987) National Secretary, Treasurer, and Newsletter Editor for the Construction Engineering Committee of the American Society for Engineering Education.
Member, American Society of Civil Engineers, 1975-Present.
OSU's institutional representative to the Associated Schools of Construction (ASC), 1987-Present.

Professional Recognition

Public Director, National Associated General Contractors (AGC) Education and Research Foundation Board of Directors, Washington, DC, January 1991-January 1995.

Member, Continuing Supervisory Education Task Force, Construction Industry Institute, Austin, TX, November 1991-October 1996.

Member, Oregon Department of Transportation's Performance Based Asphalt Specification Advisory Panel, September 1991-1997.

Member, NW Roads and Streets Conference Steering Committee, December 1991- 1998.

Member, Chi Epsilon (Civil Engineering Honorary) and Sigma Tau (Engineering Honorary).

AASHTO-AGC-ARTBA Task Force 38, "Cold In-Place Asphalt Pavement Recycling," June 1993-October 1996.

OSHA 500 Instructor Certification, March 1996.

American Council for Construction Education accrediting team visits:

- March 1996 – visitor-in-training
- October 1998 – reaccreditation visiting team member
- October 2001 – reaccreditation visiting team member
- October 2004 – reaccreditation visiting team member
- October 2005 – initial accreditation visiting team leader
- October 2009 – reaccreditation visiting team leader
- October 2010 – reaccreditation visiting team leader

Elected Associated Schools of Construction (ASC) Region VI Director, 1997-2000.

Appointed Interim Region VII Director, ASC, 2000 - 2001.

American Council for Construction Education (ACCE) accreditation visitor, 1997 - Present.

Member, Causes and Effects of Field Rework Research Team, Construction Industry Institute, Austin, TX, February 1998-February 2001.

Appointed to "Construction and Maintenance Expert Task Group" of Oregon Dept. of Transp. (ODOT), Jan. 2000.

ACCE Board-Appointed Mentor to accredited Construction Management Program facing accreditation challenges, 2001 – 2004.

ACCE visiting team member, 2000, 2001, 2004, and 2005 (Team Leader).

Elected April, 2002, to proceed through Associated Schools of Construction Vice-President/President Chairs -- 2nd Vice-President, April 2002, 1st VP April 2004, President, April 2006 -- 2008.

Invited for National Science Foundation FY2003 Unsolicited Proposals Review Panel - CONSTR03, May, 2003.

Invited to review National Science Foundation proposal, January, 2005.

Serve on Board of Trustees for American Council for Construction Education, 2006 – 2008

ACCE Board-Appointed Mentor to accredited Construction Management Program facing accreditation challenges, March 2008 - Present.

PUBLICATIONS

Technical Journals (Refereed)

D.F. Rogge and R.L. Tucker, "Foreman-Delay Surveys, Work Sampling, and Output," *Journal of the Construction Division, ASCE*, December 1982, pp. 592-604.

R.L. Tucker, D.F. Rogge, W.R. Hayes, and F.P. Hendrickson, "Implementation of Foreman-Delay Surveys," *Journal of the Construction Division, ASCE*, December 1982, pp. 577-591.

D.F. Rogge, "Delay Reporting Within the Cost Accounting System," *Journal of Construction Engineering and Management, ASCE*, June 1984, pp. 289-292.

- D.F. Rogge, C. Ifft, and L.G. Scholl, "Relating Hot Mix Properties to Properties of Conventional or Polymer-Modified Binders," *Transportation Research Record No. 1269, Asphalt Mix Materials and Mixtures 1990*, pp. 158-167.
- T.V. Scholz, R.G. Hicks, D.F. Rogge, and Dale Allen, "Use of Cold In-Place Recycling on Low-Volume Roads," *Transportation Research Record No. 1291*, May 1991, Vol. 2, pp. 239-252.
- D.F. Rogge, R.L. Terrel, and A.J. George, "Polymer Modified Hot Mix Asphalt--Oregon Experience," *ASTM STP 1108, Polymer Modified Asphalt Binders*, 1991, pp. 151-171.
- T.V. Scholz, D.F. Rogge, R.G. Hicks, and D.D. Allen, "Evaluation of the Mix Properties of Cold In-Place Recycled Mixes," *Transportation Research Record 1317*, 1991, pp. 77-89.
- D.F. Rogge, "Evaluation of Highway Blade-Patching," *Transportation Research Record 1334*, 1992, pp. 12-15.
- D.F. Rogge, R.G. Hicks, T.V. Scholz, and D.D. Allen, "Case Histories of Cold In-Place Recycled Asphalt Pavements in Central Oregon," *Transportation Research Record 1337*, 1992, pp. 61-70.
- D.F. Rogge, R.G. Hicks, T.V. Scholz, and D.D. Allen, "Use of Emulsions in Cold In-Place Recycling: Oregon Experience," *Transportation Research Record 1342*, 1992, pp. 1-8.
- D.F. Rogge, "A Framework for Continuing Supervisory Education," Construction Industry Institute Implementation Resource 40-2, December 1995, 87 pp.
- D.F. Rogge, W.P. Hislop, and D. Dominick, "Hot In-Place Recycling of Asphalt Pavements - The Oregon Experience," *Transportation Research Record 1545*, 1996, pp. 113-119.
- D.F. Rogge and Jim Atkinson, "The Field Rework Index: Early Warning for Field Rework and Cost Growth," *Construction Industry Institute Research Summary 153-1*, February 2001, pp. 1-26.
- L.M. Moore, R.G. Hicks, and D.F. Rogge, "Design, Construction, and Maintenance Guidelines for Porous Asphalt Pavements," *Transportation Research Record 1778*, 2001, pp 91-99.

Conference Proceedings (Refereed)

- D.F. Rogge, "Delay Reporting for Productivity Improvement," *Proceedings, Northwest Regional Symposium*, Project Management Institute, Vancouver, BC, March 1984, pp. C-5-1 -- C-5-25.
- D.F. Rogge, T.V. Scholz, R.G. Hicks, and D.D. Allen, "Asphalt Concrete Pavement Preservation with Cold In-Place Recycling," *7th International Conference on Asphalt Pavements*, August 1992, Nottingham, U.K.
- R. Gary Hicks and David F. Rogge, "Cold In-Place Recycling as an Option for Asphalt Pavement Preservation and Rehabilitation," *Proceedings of the First National Conference on Pavement Recycling*, Tainan, Taiwan R.O.C., February 1993.
- Lan Zhang, D.F. Rogge, and G. Zhu, "Developing the Chinese Construction Market," *1996 CIB Beijing Intl. Conference on Construction Modernization and Education*, October 21-24, 1996.
- Hallowell, Matthew and David. F. Rogge (2007) "Evaluation of Outsourcing of Project Delivery by the Oregon Department of Transportation" *Proceedings of the 2007 ASCE Construction Research Congress*, May 6-8, 2007, Our Lucyaya, Grand Bahamas.

Research Reports and Papers

- Foreman-Delay Surveys for Construction Sites*, Ph.D. Dissertation, University of Texas at Austin, Austin, TX, December 1981.
- "Evaluation of Curriculum for Construction Engineering at the Instituto Tecnologico de Costa Rica," report to the Instituto Tecnologico de Costa Rica, November 1983.
- "Computer-Aided Estimating for Hamilton Construction Company," report to Hamilton Construction Company, Springfield, OR, September 1985.
- "Status Report through 8/31/87 -- Economic Analysis of Blade-Patching of Asphalt Roadways," report to Oregon-Columbia Chapter, AGC, September 1987.
- "Economic Analysis of Blade-Patching of Asphalt Roadways," report to Oregon-Columbia Chapter, AGC, April 1988.

- D.F. Rogge, C. Ifft, R.G. Hicks, and L.G. Scholl, "Evaluation of Polymer Modified Asphalt in Hot Mix Pavement," *TRR 88-27*, OSU, June 1988, 131 pp.
- D.F. Rogge, C. Ifft, R.G. Hicks, and L.G. Scholl, "Polymer Modified Asphalt in Hot Mix Pavements (A Laboratory Study of Testing Methods and Specifications), Interim Report, Executive Summary," *TRI 88-18*, OSU, August 1988, 29 pp.
- T.D. Huntting and D.F. Rogge, "Scheduling Practices of Oregon Construction Contractors," *TRI 89-11*, OSU, April 1989, 79 pp.
- D.F. Rogge, C. Ifft, R.G. Hicks, and L.G. Scholl, "Laboratory Study of Test Methods for Polymer Modified Asphalt in Hot Mix Pavement," *FHWA-OR-RD-9006*, November 1989, 150 pp.
- T.V. Scholz, R.G. Hicks, and D.F. Rogge, "In-Depth Study of Cold In-Place Recycled Pavement Performance - Interim Report," *TRR 90-2*, OSU, April 1990, 52 pp.
- D.C. Michaelis and D.F. Rogge, "Road Construction and Maintenance: Agency Forces Versus Private Contract, Volume 2 - Literature Review," report to the Association of Oregon Counties, April 1990, 31 pp.
- D.F. Rogge and B. Erickson, "Road Construction and Maintenance: Agency Forces Versus Private Contract, Volume 3 - A Survey of Oregon Counties," report to the Association of Oregon Counties, May 1990, 51 pp.
- D.F. Rogge, "Road Construction and Maintenance: Agency Forces Versus Private Contract, Volume 1 - Executive Summary and Self-Study," report to the Association of Oregon Counties, June 1990, 26 pp.
- D.F. Rogge, R.G. Hicks, and T. Scholz, "Cold In-Place Recycling Construction and Inspection Manual," *FHWA-OR-RD-91-02B*, December 1990, 30 pp.
- D.F. Rogge, T.V. Scholz, and R.G. Hicks, "In-Depth Study of Cold In-Place Recycled Pavement Performance - Final Report," *FHWA-OR-RD-91-02A*, December 1990, 259 pp.
- D.F. Rogge, "Evaluation of Highway Blade-Patching," Report to Oregon-Columbia Chapter, AGC, April 1991, *TRR 91-3*, 40 pp.
- R.G. Hicks and D.F. Rogge, "Cold In-Place Recycling as an Option for Asphalt Pavement Preservation and Rehabilitation," *Proceedings of the First National Conference on Pavement Recycling*, Tainan, Taiwan, February 1993, R.O.C., pp. 257-289.
- D.F. Rogge and R.G. Hicks, "Cold In-Place Recycling: A Literature Review," Report for the Alaska Department of Transportation and Public Facilities, March 1993, 25 pp.
- D.F. Rogge, W.P. Hislop, and D. Dominick, "Exploratory Study of Hot In-Place Recycling of Asphalt Pavements - Final Report," *FHWA-OR-95-07*, November 1994, 170 pp.
- R.G. Hicks and D.F. Rogge, "Cold In-Place Recycling as an Option for Asphalt Pavement Preservation and Rehabilitation," *Proceedings, 22nd Annual Meeting of the Asphalt Emulsion Manufacturers Association and the 19th Annual Meeting of the Asphalt Recycling and Reclaiming Association*, San Diego, CA, February 22-25, 1995.
- D.F. Rogge, R. Weber, D. Leever, and J. Ellett, "Supervisory Development for the Construction Industry," Construction Industry Institute Research Report 40-11, June 1996, 258 pp.
- D.F. Rogge and CII Continuing Supervisory Education Research Team, "Continuing Supervisory Education: An Overview," Construction Industry Institute Research Summary 40-1, October 1996, 22 pp.
- AASHTO-AGC-ARTBA Joint Committee Task Force #38, "Report on Cold Recycling of Asphalt Pavements," October 1996, 33 pp.
- D.F. Rogge and Elizabeth Hunt, "Development of Maintenance Practices for Oregon F-Mix - Interim Report," March 1999, 30 pp.
- Francisco O. Simas and D.F. Rogge, "Evaluation of Design-Build Contracting at the Oregon Department of Transportation - Interim Report," December 1998.

- D.F. Rogge and Michael Adam Jackson, "Compaction and Measurement of Field Density for Oregon F-Mix Asphalt Pavement," April 1999.
- D.F. Rogge, Claudia Cogliser, Henry Alaman, and Scott McCormack, "An Investigation of Field Rework in Industrial Construction," Construction Industry Institute Research Report RR 153-11, July 2001.
- D.F. Rogge, "ODOT Design-Build Projects Evaluation, Volume I, Executive Summary, Oregon Department of Transportation, June 2001.
- D.F. Rogge, "ODOT Design-Build Projects Evaluation, Volume II, Special Experimental Projects Evaluation for the Evans Creek-Rock Point Design-Build Pilot Project," Oregon Department of Transportation, June 2001.
- D.F. Rogge, "ODOT Design-Build Projects Evaluation, Volume III, Evaluation –Harrisburg Bridge Design-Build Pilot Project," Oregon Department of Transportation, June 2001.
- D.F. Rogge, "Development of Maintenance Practices for Oregon F-Mix – Final Report," Oregon Dept. of Transportation, April 2002.
- D.F. Rogge, Andrew Griffith, and Wes Hutchins, "Improving the Effectiveness of Partnering," Oregon Dept. of Transportation, November 2002.
<http://www.odot.state.or.us/tddresearch/reports/partnering.pdf>
- D.F. Rogge, Tomas Carbonell, and Randy Hinrichsen, "Evaluation of Oregon Department of Transportation Project Delivery – Outsourcing Project Delivery in State Departments of Transportation – Literature Review and DOT Survey," Oregon Dept. of Transportation, December, 2003.
- D.R. Rogge and Matthew Hallowell, "Evaluation of Oregon Department of Transportation Project Delivery – Final Report," Oregon Department of Transportation, August 2007, FHWA-OR-RD-08-03.

Miscellaneous

- "Fall Newsletter," ASEE Construction Engineering Committee, Fall 1984, '85, and '86 (national circulation of approximately 150 construction educators).
- "Spring Newsletter," ASEE Construction Engineering Committee, Spring 1985, '86, and '87 (national circulation of approximately 150 construction educators).
- "My Turn," invited editorial, Oregon Section, AACE newsletter, December, 1985.
- OSU CEM Program "Redbook," a compilation of CEM Program promotional information and graduating seniors' resumes, annually, 1985 to present.
- T. Hunting and D. Rogge, "Use of Modern Scheduling Techniques on Rise," *Daily Journal of Commerce* (Portland, OR), August 28, 1989.
- R.G. Hicks and D.F. Rogge, "Reciclado en Frio in Situ, Alternativa para la Conservacion y Rehabilitacion de Pavimentos Asfálticos," *Carreteras, Revistas Technica de la Asociacion Espanola de la Carretera*, Agosto 1994, pp 45-60.
- R.G. Hicks and D.F. Rogge, "States Gain Cold-Cash Savings Using Cold, In-Place Recycling," *Roads and Bridges*, October 1995, pp. 32, 33.
- D.F. Rogge, W.P. Hislop, and D. Dominick, "Oregon's Hot In-Place Recycling Guidelines," *Better Roads*, July 1996, pp. 14-18.
- D.F. Rogge, "Construction Project Management in the Information Age," *Proceedings, Seminario de Sistemas de Computo Aplicado a la Construccion*, San Jose, Costa Rica, September 4-5, 1997.
- "President's Message," Associated Schools of Construction 44th International Conference, Auburn University, April 2-5, 2008.

CONFERENCE PRESENTATIONS, ATTENDANCE, AND INVITED LECTURES

Conference Presentations

- “Delay Reporting for Productivity Improvement,” Project Management Institute Northwest Regional Symposium, Vancouver, B.C., March 1984.
- “Relating Hot Mix Properties to Properties of Polymer Modified or Conventional Binders,” Committee A2D04, Transportation Research Board 69th Annual Meeting, Washington, DC, January 8, 1990.
- “Relating Hot Mix Properties to Properties of Polymer Modified or Conventional Binders,” Session 7A - Pavement Materials, 1990 Northwest Roads & Streets Conference, Corvallis, OR, February 8, 1990.
- “Polymer Modified Hot Mix Asphalt - Oregon Experience,” Session II, Symposium on Polymer Modified Asphalt Binders, ASTM Committee D-4 on Road and Paving Materials, San Antonio, TX, December 4, 1990.
- “Use of Cold In-Place Recycling on Low-Volume Roads,” Fifth International Conference on Low-Volume Roads, Raleigh, NC, May 22, 1991.
- “Cold In-Place Recycled Pavement,” Subcommittee on Materials, Western Association of State Highway and Transportation Officials, Seattle, WA, July 17, 1991.
- “Evaluation of Highway Blade-Patching,” Idaho Asphalt Conference, October 28, 1993, Moscow, ID.
- “Customize Your Supervisory Training – Break-Out Session,” 12th Annual Meeting, Construction Industry Institute, San Diego, CA, August 2, 1995.
- “Customize Your Supervisory Training – Break-Out Session,” Construction Productivity Improvement Conference, The University of Texas, Austin, TX, September 11-13, 1995.
- “Causes and Effects of Field Rework” – Break-Out Session,” Construction Productivity Improvement Conference, The University of Texas, Austin, TX, September 25, 2000.
- “An Investigation of Field Rework in Industrial Construction,” Construction Owners Association of Alberta Construction Best Practices IX Conference, May 16, 2001, Edmonton, Alberta, Canada.
- “ODOT-OSU Project Delivery Research,” Northwest Transportation Conference, February 11, 2004, Corvallis, OR.
- “ODOT-OSU Project Delivery Research,” U.S. Army Corps of Engineers national Construction Management workshop, May 2, 2007, CH2MHill Alumni Center, OSU.

Invited Presentations

- “Basics of Microcomputer Applications,” Homebuilders’ Association, Albany, OR, May 1983.
- “Basics of Microcomputer Applications,” Albany Rotary, Albany, OR, June, 1983.
- “Productivity Improvement for Construction Sites,” Costa Rican Society of Engineers and Architects, San Jose, Costa Rica, August 1983.
- “Microcomputers for Engineers and Construction Managers,” Costa Rican Society of Engineers and Architects, San Jose, Costa Rica, October 1983.
- “Project Management Fundamentals,” Instituto Costarricense Para La Electricidad, Las Garritos, Costa Rica, October, 1983.
- “Delay Reporting for Productivity Improvement,” American Association of Cost Engineers, Oregon Section, Portland, OR, March, 1986.
- “Delay Reporting for Productivity Improvement,” Construction Management Seminar, Dept. of Civil Engineering, Texas A&M University, College Station, TX, May 1986.
- “Construction Education at Oregon State University,” American Society for Engineering Education, Annual Meeting, Cincinnati, OH, June 1986.

- “Successful Communication: Supplementing the On-Site Chain-of-Command,” Southern California Section, American Association of Cost Engineers, Spring Symposium, April 11, 1987.
- Estimating, Scheduling, and Building Technology sessions for the Oregon Homebuilders Association “Graduate Builders Institute,” 1988-91.
- Short-Course on Asphalt Concrete Mix Design, “Weight-Volume Relationships,” and “Maximum Specific Gravity,” Engineering Research Office, OSU, March 5, 1990.
- “Properties of Polymer Modified Asphalts,” 43rd Annual Meeting of the Triaxial Institute, Klamath Falls, OR, April 26, 1990.
- “Intriguing Possibilities for Time-Lapse Video,” monthly meeting of the Portland Chapter, American Society of Professional Estimators, August 21, 1990.
- “Critical Role of the Faculty Adviser,” AGC Education Directors’ Conference, Reno, NV, October 4, 1990.
- “Cost-Effectiveness of Cold In-Place Recycling,” 15th Annual Meeting, Asphalt Recycling and Reclaiming Association, NAPA California, March 1, 1991.
- “Evaluation of Highway Blade-Patching,” Construct by Contract Committee, AGC Annual Meeting, Honolulu, HI, March 16, 1991.
- “Evaluation of Highway Blade-Patching,” Oregon State Highway Engineer, July 16, 1991, Salem, OR.
- “Why Use CIR?,” Cost-Effective Cold In-Place Recycling of Asphalt pavement Workshop, November 13, 1991, Las Vegas, NV, conducted by University of Wisconsin Department of Engineering Professional Development.
- “Evaluation of Highway Blade-Patching,” Meeting of Oregon Department of Transportation District Maintenance Managers, January 30, 1992, Salem, OR.
- “Hot In-Place Recycling,” 23rd Annual Meeting, Asphalt Pavement Association of Oregon, December 5, 1992, Portland, OR.
- “Hot In-Place Recycling,” ODOT Project Manager Meeting, March 30, 1993, Wilsonville, OR.
- “Productivity Measurements,” Module of CII Project Management Workshop for the Alliance for Construction Excellence at Arizona State University, March 22, and September 16, 1993.
- “Experiences with QC/QA Programs,” CALTRANS Workshop: Implementation of a Quality Management Program Using Performance Standards, CALTRANS TRANSLAB, Sacramento, CA, May 31-June 1, 1995.
- “Construction Project Management in the Information Age,” Seminario de Sistemas de Computo Aplicado a la Construccion, San Jose, Costa Rica, September 5, 1997, presented by Colegio Ingenieros Tecnologos de Costa Rica.
- “ODOT’s Design-Build Pilot Projects” Portland Chapter, American Society of Professional Estimators, Portland, Oregon, April 18, 2000.

Conference Participation

- American Association for Engineering Education, Construction Engineering Committee, Annual Meetings: Salt Lake City, 1984; Atlanta, 1985; Cincinnati, 1986; Reno, 1987; Portland, 1988 -- Business meeting presentations.
- American Society of Civil Engineers, Pacific Northwest Council, April 1983, Sunriver, OR.
- American Society of Civil Engineers, Annual Meeting, Seattle, May 1986.
- Associated General Contractors Educators’ Roundtable Meetings: Atlanta, 1983; San Francisco, 1985; Honolulu, 1986 and 1991; Reno, 1990; St. Louis, 1991; Phoenix, 1992, Las Vegas and Washington, DC, 1993; Orlando and Portland, 1994; Las Vegas, 2002.
- Associated Schools of Construction Annual Meeting: Purdue, 1987; Cal Poly-SLO, 1988; University of Nebraska, 1989; University of Washington, 1997; Central Connecticut State University, 1998; Cal Poly-SLO, 1999; Purdue University, 2000; U. of Denver, 2001; Va. Tech, 2002; Clemson,

2003; BYU, 2004; U. of Cincinnati, 2005; Colorado St. U., 2006; Northern Arizona U., 2007; Auburn University, 2008, U. of Florida, 2009. ASC Region Meeting and Student Construction Management Competition, 1989, 1991, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, and 2010; responsibility for overall competition coordination Region VI, 1998-00; Overall responsibility for coordination of Region VII meeting, 2001.

American Council for Construction Education semi-annual meetings: July 1989, Seattle, WA; July 1996, Denver; CO; July 1999, Kansas City; July 2000, Minneapolis; July 2001, Denver, CO.; February 19-21, 2003, Jacksonville, Fla.; July 23-25, 2003, Portland, OR.; Feb 22-25, 2006, San Diego, CA; Feb 28 – March 3, 2007, Charleston, S.C; July 18 – 21, 2007, Salt Lake City, UT; February 20-23, 2008, Dallas, TX.; July 22-25, 2009, Columbus, OH; February 17-20, 2010, Albuquerque, NM.

Construction Industry Institute Annual Conference, Monterey, CA, August 12-15, 1991; Orlando, FL, August 10-13, 1992; San Antonio, TX, August 3-5, 1993; Boston, MA, August 2-4, 1994; San Diego, CA, August 1-3, 1995; Minneapolis, MN, August 6-8, 1998; San Antonio, TX, August 11-13, 1999, Nashville, TN, August 8-10, 2000. MCAA Student Summit, Omaha, NE, October 9-11, 2008; Denver, CO, October 1-3, 2009. NECA annual meeting and Green Energy Challenge, Seattle, WA, Sep 12-14, 2009.

INTERNATIONAL ACTIVITIES

Leave of Absence to serve as Visiting Professor and Construction Engineering Curriculum Consultant to the Instituto Tecnológico de Costa Rica, Cartago, Costa Rica, July 1983-December 1983.

“Current Trends in Construction Education,” presentation to construction faculty at the Instituto Tecnológico de Costa Rica, Cartago, Costa Rica, September 4, 1997.

Preliminary assessment of potential for joint implementation program to reduce greenhouse gas emissions through the introduction of technology for cold in-place recycling of asphalt pavements, Santiago, Chile, December 15-20, 1997.

Construction Owners Association of Alberta Construction Best Practices IX Conference, Edmonton, Alberta, May 15-16, 2001.

AWARDS AND HONORS

1986/87 recipient of the “Dennis Marker Teacher of the Year Award (A tribute to his personal dedication to educational excellence)” for the Oregon State University Construction Engineering Management program, awarded annually by vote of the CEM students. This award was formerly known as the “AGC Outstanding Teacher Award.”

Faculty adviser (1984-1998) to the AGC Student Chapter which won “Honorable Mention” recognition as one of the best six chapters in the nation for 1986/87, third place recognition for 1990/91, second place for 1991/92, third place for 1992/93, and “Certificate of Merit” for 1996/97.

Faculty “coach” for the OSU Heavy/Highway Teams, ASC Region Six Construction Management Student Competitions; first place, 1990, 1991, 1993, and 1995; second place, 1996; third place, 1994.

Faculty “coach” for OSU Commercial Building Team, third place, 1995. Faculty “coach” at ASC Sparks, Nevada Construction Management Competition for OSU Heavy Civil Team (2nd place Region VII), and Marine Team (1st, National at-large), 2008; Mechanical Team (3rd place national at-large) and Marine Team (1st place national at-large), 2009; Marine Team (2nd place at-large)

RESEARCH

Current Research:

“Delivering Better Value for Money: Determining Outsourcing Feasibility and Standard Pricing Methods,” Oregon Department of Transportation, \$140,000, January 2011 – April 2012.

Prior Research:

- “Improving Construction Site Productivity through Foreman-Delay Surveys,” Shell Petroleum Co., \$3,000, 1980/81.
- “Improving Construction Site Productivity Through Foreman-Delay Surveys,” Stone & Webster Engineering Corporation, \$7,000, 1980/81.
- “Improving Construction Site Productivity Through Foreman-Delay Surveys,” Combustion Engineering Corporation, \$5,000, 1980/81.
- “Economic Analysis of Blade-Patching of Asphalt Roadways -- Phase I,” Oregon-Columbia Chapter, Associated General Contractors of America, \$6,500, July 1987.
- “Evaluation of Polymer Modified Asphalt in Hot Mix Pavement,” Oregon Department of Transportation, \$50,000, February 1988.
- “Public Performance and Private Contracting of Roadwork for Oregon Counties,” Association of Oregon Counties, \$12,000, February 1989.
- “In-Depth Study of Cold In-Place Recycled Asphalt Pavement Performance,” Oregon Department of Transportation, \$30,000, March 1990.
- “Economic Analysis of Blade-Patching of Asphalt Roadways -- Phase II,” Oregon-Columbia Chapter, AGC, \$7,500, January 1990.
- “Cold Recycling Asphalt Pavements,” Alaska Department of Transportation and Public Facilities, \$20,900, July 1991.
- “In-Depth Study of Hot In-Place Recycled Asphalt Pavements,” Oregon Department of Transportation, \$49,990, September 1992.
- “Continuing Supervisory Education,” Construction Industry Institute, \$150,000, January 1993-September 1995.
- “Cold In-Place Recycling with Lime,” Chemical Lime Company, \$17,000, July 1994-March 1995.
- “Development of Maintenance Practices for F-Mix,” Oregon Department of Transportation, \$92,943, May 1, 1997 – October 2001.
- “Development of Compaction Specifications for Open-Graded F-Mix,” Oregon Department of Transportation, \$52,764, August 21, 1997.
- “Causes and Effects of Field Rework,” Construction Industry Institute, \$120,000, June 1998 – February 2001.
- “Evaluation of ODOT Design-Build Pilot Projects,” Oregon Department of Transportation, \$49,553, August 1998 – June 2001.
- “Improving the Effectiveness of Partnering,” Oregon Department of Transportation, \$53,000, July 2001 – September 2002.
- “Evaluating Project Delivery Systems,” Oregon Department of Transportation, \$295,232, August 2002 – December 31, 2006.