Curriculum Vitae

JEFFREY S. RUSSELL, Ph.D., P.E., Dist.M.ASCE, NAC, F.NSPE

FORMAL EDUCATION

Ph.D.	Civil Engineering (Construction Engineering and Management), 1988, Purdue University, West Lafayette, Indiana.
M.S.	Civil Engineering (Construction Engineering and Management), 1986, Purdue University, West Lafayette, Indiana.
B.S.	Civil and Environmental Engineering (with honors), 1985, University of Cincinnati, Cincinnati, Ohio.

POSITIONS HELD

2011 to present	Vice Provost for Lifelong Learning and Dean of the Division of Continuing Studies, University of Wisconsin-Madison, Madison, Wisconsin
2008 to 2012	Pieper Foundation Chair in Servant Leadership
2004 to 2012	Chair, Department of Civil and Environmental Engineering, University of Wisconsin-Madison, Madison, Wisconsin.
1999 to present	Professor, Department of Civil and Environmental Engineering, University of Wisconsin-Madison, Madison, Wisconsin.
1995-99	Associate Professor, Department of Civil and Environmental Engineering, University of Wisconsin-Madison, Madison, Wisconsin.
1989-95	Assistant Professor, Department of Civil and Environmental Engineering, University of Wisconsin-Madison, Madison, Wisconsin.
1988-89	Post-Doctoral Research Associate, Department of Civil Engineering, Purdue University, West Lafayette, Indiana.
1987-88	Graduate Research Assistant, Department of Civil Engineering, Purdue University, West Lafayette, Indiana.
1985-87	Graduate Teaching Assistant, Department of Civil Engineering, Purdue University, West Lafayette, Indiana.

HONORS AND AWARDS

Honors

Graduated Cum Laude with B.S.C.E. (1997)

Chi Epsilon, Civil Engineering Honor Society
Tau Beta Pi, Engineering Honor Society
Sigma Xi, Scientific Research Society
Eminent Visiting Scholar, Arizona State University, Tempe, AZ, summer of 1997.

Charles Pankow Award for Innovation (2004)

"HYDECK – A Durable and Efficient Hybrid Bridge Deck System." FRP system developed by Bank and colleagues selected as one of four finalists by the Civil Engineering Research Foundation, American Society of Civil Engineers.

Grand Award Winner (2005)

"FRP Cage Reinforced Deck." Awarded by the American Council of Engineering Companies (ACEC) Wisconsin Section to Alfred Benesch & Co for implementing an FRP grid systems developed by Bank and colleagues at the University of Wisconsin.

Popular Science "Best of What's New 2005" Selection (2005)

Fiber Reinforced Polymer Bridge system developed by Bank and colleagues selected as one of the five top engineering innovations of 2005 by Popular Science Magazine. http://www.popsci.com/popsci/bown2005/engineering/index.html

Charles Pankow Award for Innovation (2006)

"GRIDFORM – Prefabricated Modular FRP Stay-in-Place Reinforcement for Accelerated Construction of Bridge Decks." FRP system developed by Bank and colleagues at the Universities of Wisconsin-Madison and Missouri-Rolla selected as one of two finalists by the Civil Engineering Research Foundation, American Society of Civil Engineers.

Awards

Outstanding Professor of Civil and Environmental Engineering, American Society of Civil Engineering (ASCE) Student Chapter, 1991, 1994, 1995, 1996, 1997, 1998, 1999, 2000, and 2001

1990 National Science Foundation (NSF) Presidential Young Investigator

1991 American Society of Civil Engineering (ASCE) National Collingwood Prize

1993 ASCE National Edmund Friedman Young Engineering Award

1993 Best Paper Award for paper "Motion Planning for Automated Construction," Construction Industry Institute

1995 Best Technical Paper Award for "An Operations Planning System for Autonomous Landfill Compaction," Building Mechanization and Mineral Mining Research Institute

1995 ASCE Wisconsin Section Engineers Merit Award

1996 ASCE Wisconsin Young Civil Engineer of the Year Award

1996 ASCE Walter L. Huber Civil Engineering Research Prize for research on the Modeling of Construction Contractor Evaluation and Failure

1996 ASCE Thomas Fitch Rowland Prize for "Case Study of Burlington Cable-Stayed Bridge"

1996 One of Top 25 Newsmakers in Engineering News Record (ENR) for work in automating the asphalt paving operation

1996 Best Paper Award for "A Motion Planning Software System for Automated Landfill Compaction on Rough Surfaces," Japan Robot Association

1997 Wisconsin Society of Professional Engineers (WSPE), Southwest Chapter Outstanding Professional Engineering in Education

2000 Construction Industry Institute Outstanding Research Award for research in the areas of constructability and maintainability

2002 ASCE Outstanding Paper, *Journal of Management Engineering*, for "Guidelines for Warranty Contracting for Highway Construction"

2003 ASCE President's Medal for leadership in implementing ASCE Policy Statement 465-Academic Prerequisites for Licensure and Professional Practice

2004 NSF Presidential Award for Excellence in Science, Mathematics, and Engineering Mentoring, awarded by President of the United States in the Oval Office

2005 One of Top 25 Newsmakers in ENR for work reforming engineering education

2006 Outstanding Paper Award for "Mentoring in Engineering," *Leadership and Management in Engineering*

2007 ASCE Best Applied Research Paper, *Journal of Composites in Construction*, for "Double Layer Prefabricated FRP Grids for Rapid Bridge Deck Construction: Case Study"

2007 National Society of Professional Engineers (NSPE) Wisconsin Section Engineering Educator of the Year

2007 ASCE Excellence in Civil Engineering Education Leadership in Education Award

2009 ASCE Distinguished Member (DIST.M.ASCE) **The highest honor given by ASCE*

2009 ASCE Wisconsin Section Distinguished Service Award

2009 ASCE Best Paper Award from the *Journal of Professional Issues and Education* for the paper titled "Experiential Learning in Engineering Practice"

2010 ASEE George Wadlin Service Award

2010 ASEE Glen L. Martin Best Paper Award

2010 ASCE Peurifoy Research Award

2011 University of Wisconsin-Madison Construction Club Lifetime Achievement Award

2011 National Academy of Construction (NAC)

2011 Fellow, National Society of Professional Engineers (F.NSPE)

2014 ASCE Outstanding Projects and Leaders (OPAL) Lifetime Achievement Award in Education

2014 Alliance High School Distinguished Alumnus Award

2015 Friend of Academic Staff Award, University of Wisconsin–Madison

2020 Partners in Giving Doug Palm Community Service Award (joint winner with Kristen Roman)

TEACHING

Formal Courses Taught

CEE 395	Materials of Constructed Facilities (co-taught with Professor Steven Cramer, CEE; student evaluations did not include Professor Russell)
CEE 498	Construction Project Management (videotaped 1997)
CEE 578	Senior Level Capstone Design
CEE 596	Constructability Analysis (videotaped 1999)
CEE 597	Construction Operation Analysis
CEE 598	Construction Contractor Analysis
CEE 649[a]	Analysis of Construction Contractors
CEE 649[b]	Construction Technology and Automation
CEE 698[a]	Analysis of Construction Contractors
CEE 698[b]	Constructability Design & Analysis
CEE 698[c]	Construction Equipment and Heavy Construction Methods (Co-taught with Professor Dick Struab, Ag Engrg)
CEE 698[d]	Construction Operation Analysis
CEE 698[e]	Constructed Facilities Graduate Seminar (co-taught with Professor Steven Cramer)
CEE 698[f]	Study of College of Engineering – 3rd Semester 1-credit course using Engineering Centers Building as a learning laboratory
CEE 949	Construction Engineering and Management Research Seminar
EPD 612	Technical Project Management
EPD 690[a]	Core Competencies of Leadership
EPD 690[b]	Core Competencies of Sustainability
INTEREGR 400	Dean's Leadership Class

Courses denoted as CEE 649 a and b were different special topic courses within Structural Engineering. In 1991, we received approval for special topic courses in Construction Engineering and Management (i.e., CEE 698). The courses designed CEE 698 a, b, c, d, e, and f, again, were different special topic courses offered prior to developing formal course proposals. Courses EPD 690a and b were different special topics courses offered by Engineering Professional Development.

Student Evaluations

College of Engineering course and instructor evaluation (COE) forms were used by Dr. Russell as summarized below. Column A represents the mean overall student response for 21 questions rating the instructor on a scale of 1 to 4, where 4 is the highest. The maximum value in Column B gives the rating of the instructor relative to others the students have encountered (Questions #22). Here, the scale is 1 to 5, with 5 being the top 20th percentile.

Course	Sem	Enrollment	Hours/Week	Prof. Russell	
				Mean A	Quest #22B
CEE 649a	II/89	4	3 hrs. lecture	3.46	4.5
CEE 649b	I/90	3	3 hrs. lecture	3.5	4
CEE 949	I/90	4	1 hr. lecture	3.4	4.8
CEE 498	II/90	29	3 hrs. lecture	3.71	4.93
CEE 698a	I/91	14	3 hrs. lecture	3.71	4.85
CEE 498	II/91	27	3 hrs. Lecture	3.49	4.76

Course	Sem	Enrollment	Hours/Week	Prof. Russell	
				Mean A	Quest #22B
CEE 698b	II/91	19	1 hr. lecture	3.46	4.41
CEE 598	I/92	25	3 hrs. lecture	3.59	4.68
CEE 698c	I/92	7	3 hrs. lecture	3.33	4.5
CEE 498	II/92	21	3 hrs. lecture	3.47	4.7
CEE 698b	II/92	4	3 hrs. lecture	3.44	5
CEE 598	I/93	28	3 hrs. lecture	3.62	4.67
CEE 698c	I/93	4	1 hr. lecture	3.48	5
CEE 698d	I/93	8	2 hrs. lecture	3.37	4.75
CEE 498	II/93	50	3 hrs. lecture	3.51	4.87
CEE 596	II/93	14	2 hrs. lecture	3.67	4.93
CEE 395	I/94	111	0.17 hr. lecture	n/a	n/a
CEE 597	I/94	15	2 hrs. lecture	3.33	4.27
CEE 598	I/94	32	3 hrs. lecture	3.4	4.62
CEE 395	II/94	101	0.17 hr. lecture	n/a	n/a
CEE 597	II/94	18	2 hrs. lecture	3.33	4.27
CEE 598	II/94	32	3 hrs. lecture	3.4	4.62
CEE 698c	II/94	10	3 hrs. lecture	2.84	2.7
CEE 498	I/95	33	3 hrs. lecture	3.41	4.67
CEE 596	I/95	20	2 hrs. lecture	3.57	4.74
CEE 598	II/95	29	3 hrs. lecture	3.33	4.43
CEE 498	I/96	35	3 hrs. lecture	3.47	4.59
CEE 596	I/96	17	3 hrs. lecture	3.47	4.67
CEE 498	II/96	36	3 hrs. lecture	3.35	4.63
CEE 596	I/98	16	3 hrs. lecture	3.47	4.67
CEE 498	I/98	40	3 hrs. lecture	3.04	3.96
CEE 698e	I/98	26	1 hr. seminar	n/a	n/a
CEE 596	I/98	16	3 hrs. lecture	3.36	4.25
CEE 498	I/99	57	3 hrs. lecture	3.4	4.58
CEE 596	I/99	16	3 hrs. lecture	3.29	4.5
CEE 698e	I/99	30	1 hr. seminar	n/a	n/a
CEE 698f	II/99	39	3 hrs. lecture	n/a	n/a
CEE 498	I/00	37	3 hrs. lecture	3.45	4.77
CEE 698f	I/00	26	2.5 hrs. lecture	3.64	4.83
CEE 698f	I/00	30	2.5 hrs. lecture	3.47	4.52
CEE 498	II/00	25	3 hrs. lecture	3.21	4.5
CEE 596	II/00	9	3 hrs. lecture	3.57	4.6

Course	Sem	Enrollment	Hours/Week	Prof. Russell	
				Mean A	Quest #22B
CEE 698	II/00	25	2.5 hrs. lecture	3.6	4.77
CEE 498	I/01	22	3 hrs. lecture	3.33	4.36
CEE 578	I/01	31	2.1 hrs. lecture	3.41	4.61
CEE 498	II/00	25	3 hrs. lecture	3.21	4.5
CEE 596	II/00	9	3 hrs. lecture	3.57	4.6
CEE 698	II/00	25	2.5 hrs. lecture	3.6	4.77
CEE 498	I/02	22	3 hrs. lecture	3.33	4.36
CEE 596	II/02	9	3 hrs. lecture	3.57	4.7
CEE 698	II/03	37	1 hr. lecture	3.6	4.77
CEE 498	I/03	15	3 hrs. lecture	3.33	4.55
CEE 578	I/03	31	2.1 hrs. lecture	3.45	4.67
CEE 498	I/04	22	3 hrs. lecture	3.44	4.83
CEE 578	I/04	41	2.1 hrs. lecture	3.58	4.69
CEE 596	II/04	27	3 hrs. lecture	3.15	4.05
CEE 698	II/04	31	2.5 hrs. lecture	3.52	4.2
CEE 578	I/05	41	2.1 hrs. lecture	3.51	4.6
CEE 578	I/06	56	2.1 hrs. lecture	4.07	4.52
CEE 578	I/07	47	2.1 hrs. lecture	4.02	4.49
EPD 612	I/07	19	3 hrs. lecture	4.47	4.4
CEE 578	I/08	44	2.1 hrs. lecture	3.89	4.57
EPD 612	I/08	28	3 hrs. lecture	4.49	4.6
CEE 578	I/09	48	2.1 hrs. lecture	3.91	4.24
EPD 612	I/09	29	3 hrs. lecture	4.46	4.63
CEE 498	I/10	53	.83 hr. lecture	n/a	n/a
EPD 690	I/10	11	1 hr. lecture	n/a	n/a
EPD 690	I/10	7	1 hr. lecture	n/a	n/a
CEE 578	II/10	61	3 hrs. lecture		
EPD 612	II/10	30	3 hrs. lecture		
INTEREGR 400	II/10	33	1.5 hrs. lecture		

Research Students

Students Graduated			
Student	**Degree**	**Year**	**Topic**
Meyer, G. [Design Supervisor for District 1, Wis. DOT, Madison, WI]	PhD	Spr 91	Conceptual Model for Integrating business Activity and Data Systems in the AEC Industry
Jeljeli, M. [Project Manager, National Petroleum Construction Col., United Arab Emirates]	MS	Fall 91	Potential Applications of Geographic Information Systems to Construction Industry
Kunigahalli, R. (50% Russell, 50% Veeramani) [System Analyst, Bank One, New York, NY]	MS (Thesis)	Fall 91	Prototype Construction Robotic Equipment Management System
Radtke, M. [Project Engineer, Oscar J. Boldt, Milwaukee, WI]	MS (Thesis)	Spr 92	Guidelines for a Project-Level Constructability Program
Gugel, J. [Design Engineer, UOP, Chicago, IL]	MS (Thesis)	Fall 92	Models for Constructability Approach Selection and Input-Source Evaluation
Severson, G. [Project Manager, Turner, Construction Co., Chicago, IL]	MS (Thesis)	Fall 92	Predicting Construction Contract Surety Bond Claims Using Constructor Financial Data
Astour, R. [Construction Engineer, Arabian Construction Co., United Arab Emirates]	MS (Thesis)	Fall 92	Pilot Investigation of Schedules Supporting a Contractors Financial Statement
Nebel, R. [Vice President, Nebel Construction Co., Sturgeon Bay, WI]	MS (Thesis)	Spr 93	Construction Methods for Piling Installation
Abou-Zeid, A. [Asst. Professor, Structural Engineering Dept., Cairo University, Egypt]	PhD	Fall 93	Data Flow Identification to Support Project Automation/Integration and Productivity
O'Brien, T. [Project Manager, William Ryan Homes, Milwaukee, WI]	MS (Thesis)	Sum 94	Total Quality Management in Construction: A Study of the State of Wisconsin Facility Delivery Process
Jeljeli, M. [Project Manager, National Petroleum Construction Col., United Arab Emirates]	PhD	Sum 94	A Risk-Based Methodology for Estimating Contractors--Liability in Superfund Cleanup Construction
Kunigahalli, R. (50% Russell, 50% Veeramani) [System Analyst, Bank One, New York, NY]	PhD	Spr 94	Computer Integrated Concrete Placement Planning and Control System
Taha, M. (50% Russell, 50% Park) [Assist. Prof., Structural Engineering Dept., Cairo University, Egypt]	PhD	Spr 94	Application of Distributed Artificial Intelligence to Prequalification of Construction Contractors
Vadakpat, G. [Unknown]	MS (Thesis)	Spr 94	Analytical Study to Predict Friction on Highway Pavements
Lin, C.	MS	Spr 94	Software to Implement Constructability Analysis

Students Graduated			
Student	**Degree**	**Year**	**Topic**
[Construction Engineer, Bechtel, Taipei, Taiwan]	(Non-Thesis)		Selection Tool
Swiggum, K. [System Engineer, EPIC, Madison, WI]	MS (Thesis)	Spr 94	Work Process and Tools to Implement Constructability on Highway Projects
Sadek, A. [Architect, Wisconsin Dept. of Corrections, Madison, WI]	MS (Thesis)	Spr 94	Maintainability and Operability of Industrial Construction Projects
Zhai, H. (50% Russell ,50% Sanders) [Analyst, Dunn & Bradstreet, New York, NY]	PhD	Spr 94	Stochastic Modeling, Prediction, and Pricing of Contractor Default Risk
Arneson, J. [Vice President, Building Systems General Corporation, Madison, WI]	MS (Thesis)	Fall 94	Predictive Tools for Project Managers
Beyer, D. [Project Engineer, Wisconsin Dept. of Transportation, Madison, WI]	MS (Non-Thesis)	Fall 94	Characteristics of Effective Safety Programs
Tserng, H. [Assoc. Prof., National Taiwan University, Taipei, Taiwan]	MS (Thesis)	Fall 94	Construction Automation of Landfill Construction Sites
Unger, B. [Project Engineer, C.G. Schmit, Inc., Milwaukee, WI]	MS (Thesis)	Spr 95	Attributes of an Effective Cost Control Program
Lawrence S. [Project Manager, J.H. Findorff Construction Co., Madison, WI]	MS (Thesis)	Spr 95	Development of a Predictive Tool for Continuous Assessment of Project Performance
Kulprett [Project Engineer, Oscar J. Boldt Group, Appleton, WI]	MS (Thesis)	Spr 95	Quantitative Documentation of Construction Industry Best Practices
Ostrand, A. [Project Engineer, Kennedy & Rossi, Inc., Arlington, MA]	MS (Non-Thesis)	Spr 96	A Compilation of Legal Decisions on Construction Contract Termination
Morris, M. [Field Engineer, Oscar J. Boldt Construction Co., Appleton, WI]	MS (Non-Thesis)	Spr 96	Construction of the Whistling Straits Golf Course
Creamer, P. [Project Engineer, RMT, Inc., Madison, WI]	MS (Thesis)	Sum 96	Application of TQM to Design and Construction of Hazardous Waste Liners
Prestine, M. [Project Engineer, R.C. Johnson Construction, Inc., Loretto, MN]	MS (Thesis)	Sum 96	Developing a Constructability Lessons Learned Database for the State of Wisconsin Department of Transportation Highway Construction
Krishnamurthy, B. [Sunnyvale, CA]	MS (Thesis)	Fall 96	Toward an Automated Path-Planning and Real-Time Guidance System for Asphalt Pavement Compaction Operation
Nelson, G. [Project Engineer, Ryan Companies US, Inc., Scottsdale, AZ]	MS (Non-Thesis)	Fall 96	Development of an Interactive Relational Database for Bridge
Park, Junkwon [Unknown]	MS (Non-Thesis)	Sum 97	Neural Network Approach to Predicting Contractor Failure

Students Graduated			
Student	**Degree**	**Year**	**Topic**
Tserng, Hui-Ping [Assoc. Prof., National Taiwan University, Taipei, Taiwan]	PhD	Spr 97	Toward a Framework for an Automated Landfill System (ALS)
Koo, K. [Assist. Prof., University of Seoul, Korea]	MS (Non-Thesis)	Spr 97	Foreign Exchange Management in International Build-Operate-Transfer Project
Koch, J. [Project Engineer, Gallegos, Vail, CO]	MS (Non-Thesis)	Fall 97	Construction Issues with Structural Steel
Noble, D. [Project Engineer, Boldt Development Services, Milwaukee, WI]	MS (Thesis)	Fall 97	Guidelines for the Development of Innovative Contracting Practices in the Highway Construction Industry
Sasongko, Sentot [Unknown]	MS (Non-Thesis)	Fall 97	Improving Payment Process: A Case Study of Use of Continuous Improvement Analysis for Residential Development Company
Shr, Jin-Fang [Assist. Prof., University of Taiwan, Taiwan]	MS (Non-Thesis)	Fall 97	A Framework for Electronic Bidding in the Construction Industry
Schmitt, R. (50% Russell , 50% Hanna) [Assist. Prof., University of Wisconsin-Platteville, Platteville, WI]	PhD	Sum 98	Development of Statistically-Based Methods to Determine QC/QA Testing Levels for Hot-Mix Asphalt Construction
Jung, G. [Project Engineer, Westra Construction, Waupun, WI]	MS (Thesis)	Sum 98	Rational Method for Determining Minimum Inspection-Levels for Hot-Mix Asphalt Overlay Construction
Deccio, S. [WisDOT]	MS (Non-Thesis)	Sum 98	Development of a Standard Specifications Reference File for Inclusion With Lesson Learned Database for the WisDOT Constructability Program
Dupuis, J. [Project Engineer, Structural Research, Inc., Madison, WI]	MS (Non-Thesis)	Fall 98	An Investigation into Market Trends of Commercial Roofing Membrane Systems
Lee, H. [Project Engineer, Daewoo Corp., Seoul, South Korea]	PhD	Fall 98	Framework for Real-Time Management of Hot-Mix Asphalt Construction Operations
Meier, J. [Exxon, Floren Park, NJ]	MS (Thesis)	Spr 99	Design and Construct for Maintainability
Gerdman, D. [Department of Natural Resources, MSA Professional Services, Inc. Baraboo, WI]	MS (Non-Thesis)	Sum 99	Design and Construction of Wastewater Treatment Plants
Thompson, B. [Project Engineer, MSA Professional Services, Baraboo, WI]	MS (Thesis)	Fall 99	Guidelines for the Implementation of Warranty and Best Value Contracting in the Highway Construction Industry
Moua, B. [Pritchard Inc., Kansas City, MO]	MS (Thesis)	Fall 99	State of Practice in Maintainability: Seven Case Studies
Park, Hyung-Keun [General Manager, Daewoo Corp., Seoul, South Korea]	MS (Thesis)	Spr 99	Framework for a Methodology to Forecast Construction Cost at Completion for General Contractor in Jobsite
Lee, Duk Gyoo	MS	Fall 99	A Framework for Performance-Based Pay

Students Graduated			
Student	**Degree**	**Year**	**Topic**
[Project Manager, URS Corp., O'Brien Kreitzberg]	(Non-Thesis)		Adjustment Plan for Hot-Mix Asphaltic Concrete (HMAC) Pavement
Shr, Jin-Fang [Assist. Prof., University of Taiwan, Taiwan]	PhD	Fall 99	Model Development for Cost-Plus-Time Bidding Applied to Florida DOT Highway Construction
Kim, Eugene [d'Escoto, Inc, Chicago, IL]	MS (Non-Thesis)	Sum 00	Sustainable Design
Kim, Sung-Keun [Korea Institute of Construction Technology, South Korea]	PhD	Spr 01	Automated Construction Systems
Mariner, Maria [Unknown]	MS (Non-Thesis)	Fall 01	Productivity Analysis
Park, Hyung-Keun [General Manager, Daewoo Corp., Seoul, South Korea]	PhD	Fall 01	Prototype System for Cost Control
Koo, Kyo-Jin [Assist. Prof., University of Seoul, South Korea]	PhD	Fall 01	Foreign Exchange Risk Management in International BOT Project
Brandt, Carolyn [EarthTech, Inc., Madison, WI]	MS (Thesis)	Spr 01	Construction Engineering and Management Research
Blenker, Justin [Unknown]	MS (Non-Thesis)	Spr 02	Productivity of Masonry Construction
Jang, HyounSeung [CERIK, Korea]	PhD	Fall 02	Construction Material Logistics Tasks: Current Level of Satisfaction and Multiple Floor Layout Problems
Schumacher, Kristopher [J.P. Cullen Construction Co., Milwaukee, WI]	MS	Fall 02	Integrated Project Development Process
Mahle, Maureen [unknown]	MS	Fall 02	E-Commerce Applied to Construction
DeCicco, S. [WisDOT, Madison, WI]	PhD	Fall 03	Development of a Standard Specifications Reference File for Inclusion with Lesson Learned Database for the WisDOT Constructability Program
Choi, Jongsoo [Asst. Prof. Donguk University, Seoul, South Korea]	PhD	Spr 03	Strategic Motives Underlying M&A Activities in Construction Industry
Huang, Chun-Nen [unknown]	PhD	Spr 03	Productivity Chain Management
Yi, June Seong [Asst. Prof. Ewha University, Seoul, South Korea]	PhD	Spr 03	Development of Methodology for Applying Activity Based Costing System to Construction Project
Chin, Chang-Sun [unknown]	PhD	Fall 08	An Investigation to Improve Construction Information Flows
Cho, Daegu [unknown]	PhD	Fall 09	Construction Information Database Framework (CIF) for Cost, Schedule, and Performance Integration

Students Graduated			
Student	**Degree**	**Year**	**Topic**
Lee, Sang Hwan [unknown]	MS (Non-Thesis)	Fall 09	Analysis of the Critical Factors for Improving RFID Adoption in Construction
Lee, Jin Cheol [Unknow, South Korea]	PhD	Fall 10	Evaluating the sustainability of construction with recycled materials
Rogers, Joshua [CTLThompson, Ft. Collins, Co]	MS	Sum 11	Unavailable
Cullen, George [JP Cullen, Janesville, WI]	MS	Sum 12	Unavailable
Yeutter, Michael [The Boldt Company, Milwaukee, WI]	MS	Sum 12	The Use of Building Information Modeling in the Electrical Contracting Industry
Beyer, Adam [TRC Companies, Inc., Madison, WI]	MS	Spr 13	Unavailable
Dupuis, Mathew [Structural Research Inc., Middleton, WI]	PhD	Spr 14	Sensitivity Analysis of Error in a Roof Membrane Temperature Model Versus Input Data

PUBLICATIONS

Refereed Papers

1. Russell, J. S. and Skibniewski, M. J.: "Decision Criteria in Contractor Prequalification," *ASCE Journal of Management in Engineering*, Vol. 4, No. 2, April 1988, pp. 148-164.
2. Skibniewski, M. J. and Russell, J. S.: "Robotics Applications to Construction," *AACE Journal of Cost Engineering*, Vol. 31, No. 6, June 1989, pp. 10-18.
3. Russell, J. S.: "Model for Owner Prequalification of Contractors," *ASCE Journal of Management in Engineering*, Vol. 6, No. 1, January 1990, pp. 59-75.
4. Russell, J. S. and Skibniewski, M. J.: "QUALIFIER-1: Contractor Prequalification Model," *ASCE Journal of Computing in Civil Engineering*, Vol. 4, No. 1, January 1990, pp. 77-90.
5. Russell, J.S.: "Model for Owner Prequalification of Contractors," *ASCE Journal of Management in Engineering*, Vol. 6, No. 1, January 1990, pp. 59-75.
6. Russell, J. S., Skibniewski, M. J., and Cozier, D. R.: "QUALIFIER-2: Knowledge-Based System for Contractor Prequalification," *ASCE Journal of Construction Engineering and Management*, Vol. 116, No. 1, March, 1990, pp. 155-169.
7. Russell, J. S. and McCullouch, B. G.: "Civil Engineering Education: Case Study Approach," *ASCE Journal of Professional Issues in Engineering*, Vol. 116, No. 2, April 1990, pp. 164-174.
8. Russell, J. S.: "Surety Industry: Overview," *ASCE Journal of Management in Engineering*, Vol. 6, No. 3, July 1990, pp. 323-341.
9. Russell, J. S., Skibniewski, M. J., and Vanegas, J. A.: "A Framework for a Construction Robot Fleet Management System," *ASCE Journal of Construction Engineering and Management*, Vol. 116, No. 3, September 1990, pp. 448-462.

10. Russell, J. S. and Skibniewski, M. J.: "An Ergonomic Analysis Framework for Construction Tasks," *Journal of Construction Management and Economics*, Vol. 8, No. 3, September 1990, pp. 329-338.

11. Russell, J. S.: "Surety Bonding and Owner-Contractor Prequalification: Comparison," *ASCE Journal of Professional Issues in Engineering*, Vol. 116, No. 3, October 1990, pp. 360-374.

12. Russell, J. S., Benson, C. H., and Fox P. J.: "A Stochastic Decision Model for Contractor Prequalification," *Journal of Microcomputers in Civil Engineering*, Vol. 5, No. 4, December 1990, pp. 285-297.

13. Russell, J. S.: "Decision Analysis Framework for Evaluating Highway Contractors," *Transportation Research Record*, No. 1282, Materials and Construction, Transportation Construction 1990, Transportation Research Board National Research Council, pp. 66-75.

14. Russell, J. S.: "Insurance Industry: Overview," *ASCE Journal of Management in Engineering*, Vol. 7, No. 1, January 1991, pp. 98-118.

15. Russell, J. S.: "The Challenge: Recruiting Students to Civil Engineering," *ASCE Journal of Professional Issues in Engineering*, Vol. 117, No. 1, January 1991, pp. 21-26.

16. Russell, J. S.: "Construction Contract Bonds," *ASCE Journal of Management in Engineering*, Vol. 7, No. 3, July 1991, pp. 299-313.

17. Russell, J. S.: "Contractor Failure: Analysis," *ASCE Journal of Performance of Constructed Facilities*, Vol. 5, No. 3, August 1991, pp. 163-180.

18. Skibniewski, M. J. and Russell, J. S.: "Construction Robot Fleet Management System Prototype," *ASCE Journal of Computers in Civil Engineering*, Vol. 5, No. 4, October, 1991, pp. 1-20.

19. Russell, J. S.: "Cooperative Education: One Perspective," *ASCE Journal of Professional Issues in Engineering*, Vol. 117, No. 4, October 1991, pp. 1-17.

20. Jaselskis, E. J. and Russell, J. S.: "An Efficiently Structured Approach for Selection of Most Promising Construction Contractors," *Project Management Institute* (PMI), Vol. XXII, No. 4, December 1991, pp. 31-38.

21. Russell, J. S.: "Underwriting Process for Construction Contract Bonds," *ASCE Journal of Management in Engineering*, Vol. 8, No. 1, January 1992, pp. 63-80.

22. Russell, J. S., Hancher, D. E., and Skibniewski, M. J.: "Contractor Prequalification Data for Construction Owners," *Journal of Construction Management and Economics*, Vol. 10, No. 1, January 1992, pp. 117-135.

23. Russell, J. S.: "Decision Models for Analysis and Evaluation of Construction Contractors," *Journal of Construction Management and Economics*, Vol. 10, No. 2, March 1992, pp. 185-202.

24. Adams, T.M., Vonderohe, A.P., Russell, J.S., and Clapp, J.L.: "Integrating Facility Delivery through Spatial Information," *Journal of Urban Planning and Development*, Vol. 118, No. 1, March 1992, pp. 13-23.

25. Russell, J. S. and Radtke, M. W.: "Communication Process between DBE Firms and Prime Contractors," *Transportation Research Record*, No. 1310, Materials, Construction, and Maintenance, Construction Innovations 1991, Transportation Research Board National Research Council, pp. 65-72.

26. Adams, T. M., Vonderohe, A. P., Russell, J. S., and Clapp, J. L: "Geographic Information Systems Applied to the Facility Delivery Process," *ASCE Journal of Urban Planning and Development,* Vol. 118, No. 1, March 1992, pp. 13-23.

27. Russell, J. S. and Casey, J. J.: "Design Engineer/Contractor Bankruptcy: Considerations for Debtor and Creditors," *ASCE Journal of Management in Engineering,* Vol. 8, No. 3, July 1992, pp. 278-297.

28. Russell, J. S. and Severson, G. D.: "Analysis and Evaluation of a Plan Quality Evaluation Form," *Transportation Research Record,* No. 1351, Materials and Construction - Construction Quality and Construction Management, 1992, Transportation Research Board National Research Council, pp. 78-86.

29. Russell, J. S. and Jaselskis E. J.: "Quantitative Study of Contractor Evaluation Programs and Their Impact on Project Outcome," *ASCE Journal of Construction Engineering and Management,* Vol. 118, No. 3, September 1992, pp. 612-624.

30. Russell, J. S. and Jaselskis E. J.: "Predicting Construction Contractor Failure Prior to Contract Award," *ASCE Journal of Construction Engineering and Management,* Vol. 118, No. 4, December 1992, pp. 791-811.

31. Jaselskis E. J. and Russell, J. S.: "Risk Analysis Approach to Selection of Contractor Evaluation Method," technical *note, ASCE Journal of Construction Engineering and Management,* Vol. 118, No. 4, December 1992, pp. 814-821.

32. Russell, J. S., Gugel, J. G., and Radtke, M. W.: "Documented Constructability Savings for Petrochemical-Facility Expansion," *ASCE Journal of Constructed Facilities,* Vol. 7, No. 1, February 1993, pp. 27-45.

33. Jeljeli, M., Russell, J. S., Meyer, H. W., and Vonderohe, A. P.: "Application of Geographic Information Systems to Construction," *ASCE Journal of Construction Engineering and Management,* Vol. 119, No. 1, March 1993, pp. 72-86.

34. Jeljeli, N.M., Russell, J.S., and Meyer, W.G., and Vonderohe, A.P.: "Potential Applications of Geographic Information Systems to Construction Industry," *Journal of Construction Engineering and Management,* Vol. 119, No. 1, March 1993, pp. 72-86.

35. Radtke, M. W. and Russell, J. S.: "Project-Level Model Process for Implementing Constructability," *ASCE Journal of Construction Engineering and Management,* Vol. 119, No. 4, December 1993, pp. 813-831.

36. Russell, J. S. and Gugel, J. G.: "Comparative Analysis of Two Corporate Constructability Programs," *ASCE Journal of Construction Engineering and Management,* Vol. 119, No. 4, December 1993, pp. 769-784.

37. Severson, G. D., Jaselskis, E. J., and Russell, J. S.: "Trends in Construction Contractor Financial Data," technical note, *ASCE Journal of Construction Engineering and Management,* Vol. 119, No. 4, December 1993, pp. 854-858.

38. Skibniewski, M. J., Kunigahalli, R.S., and Russell, J. S.: "Managing Multiple Construction Robots with a Computer," *Journal of Automation in Construction,* No. 2, 1993, pp. 199-216.

39. Russell, J. S., Swiggum, K. E., Shapiro, J. M., and Alaydrus, A. F.: "Constructability Related to TQM, Value Engineering, and Cost/Benefits," *ASCE Journal of Performance of Constructed Facilities,* Vol. 8, No. 1, February 1994, pp. 31-45.

40. Russell, J. S., Gugel, J. G., and Radtke, M. W.: "Comparative Analysis of Three Approaches to Constructability Implementation," *ASCE Journal of Construction Engineering and Management,* Vol. 120, No. 1, March 1994, pp. 180-195.

41. Casey, J. J. and Russell, J. S.: "Owner's Perspective: Transferring Ownership of a Design Engineering/Construction Firm," *ASCE Journal of Management in Engineering,* Vol. 10, No. 2, March/April 1994, pp. 66-76.

42. Elton, D. J., Juang, C. H., and Russell, J. S.: "Contractor Prequalification Using Fuzzy Sets," *Civil Engineering Systems,* Vol. II, 1994, pp. 1-17.

43. Kunigahalli, R., Russell, J. S., and Skibniewski, M. J.: "Motion Planning For Automated Construction," *Journal of Automation in Construction*, Special Issue, No. 3, May 1994, pp. 71-78. **Selected as one of the best papers presented at the 10th International Symposium on Automation and Robotics in Construction held in Houston, Texas on May 23-26, 1993. A total of 71 papers were published in the conference proceedings. Eleven were selected as the best papers from the conference.*

44. Severson, G. D., Russell, J. S., and Jaselskis E. J.: "Predicting Construction Contract Surety Bond Claims Using Financial Data," *ASCE Journal of Construction Engineering and Management,* Vol. 120, No. 2, June 1994, pp. 405-420.

45. Gugel, J. G. and Russell, J. S.: "Constructability Analysis Selection Tool," *ASCE Journal of Construction Engineering and Management,* Vol. 120, No.3, September 1994, pp. 509-521.

46. Swiggum, K. E., Anderson, S. D., and Russell, J. S.: "Case Study of Burlington Cable-Stayed Bridge," *ASCE Journal of Construction Engineering and Management,* Vol. 120, No. 3, September 1994, pp. 649-666.

    Selected for the 1996 ASCE Thomas Fitch Rowland Prize.

47. Gugel, J.G. and Russell, J.S.: "Model for Constructability Approach Selection," *Journal of Construction Engineering and Management*, Vol. 120, No. 3, September 1994, pp. 509-521.

48. Kunigahalli, R., Russell, J. S., and Veeramani, D.: "An Algorithm to Extract Topological Relationships From a Wire-Frame CAD Model of Concrete Floors," *ASCE Journal of Computing in Civil Engineering*, Vol. 9, No. 1, January 1995, pp. 29-42.

49. Taha, M. A., Park, S. C., and Russell, J. S.: "Knowledge-Based DSS for Construction Contractor Prescreening," *European Journal of Operational Research,* Vol. 9, No. 1, January 1995, pp. 29-42.

50. Kunigahalli, R. and Russell, J. S.: "Framework for Development of CAD/CAC Systems," *Journal of Automation in Construction*, No. 3, 1995, pp. 327-340.

51. Kunigahalli, R. and Russell, J. S.: " Sequencing For Concrete Placement Using RAG-CAD Data Structure," *ASCE Journal of Computing in Civil Engineering,* Vol. 9, No. 3, July 1995, pp. 216-225.

52. Ahmad, I., Russell, J. S., and Abou-Zeid, A.: "Information Technology and Integration in the Construction Industry," *Journal of Construction Management and Economics,* Vol. 13, No. 2, March 1995, pp. 163-171.

53. Kunigahalli, R., Russell, J. S., and Tserng, H. P.: "Motion Planning for an Autonomous Compactor in a Waste Landfill Site," *Journal of Microcomputers in Civil Engineering*, Vol. 10, No.5, June 1995, pp. 365-382.

54. Alaydrus, A., Hanna, A., Russell, J. S., and Wortley, C. A.: "Salvaging and Re-Using Jacket and

Deck Structures of Fixed Off-Shore Platforms," *ASCE Journal of Infrastructure Systems,* Vol. 1, No.3, September 1995, pp. 178-185.

55. Jeljeli, M. and Russell, J. S.: "Coping With Uncertainty in Environmental Construction: A Decision Analysis Approach," *ASCE Journal of Construction Engineering and Management,* Vol. 121, No. 4, December 1995, pp. 370-380.

56. Taha, M. A., Park, S. C., and Russell, J. S.: "Knowledge-Based DSS for Construction Contractor Prescreening," *European Journal of Operation Research*, Vol. 84, No. 1, July, 1995, pp. 35-46.

57. Abou-Zeid, A., Russell, J. S., Hanna A. S., and Park, S. C.: "Data Flow Model for Communication between Project Participants in a Highway Bridge Project," *Canadian Journal of Civil Engineering,* December 1995, Vol. 22, pp. 1224-1234.

58. Schmitt, R.L., Whited, G.C., Waelti, G.J., Hanna, A.S., Russell, J.S., and Bahia, H.U.: "Current initiatives in Quality Asphaltic Pavement Construction: The Wisconsin Experience," *Transportation Research Record,* No. 1543, Design and Construction of Asphaltic Overlays and Hot-Mix Asphalt Construction Practices, 1996, Transportation Research Board, National Council, pp. 120-124.

59. Jaselskis, E.J., Anderson, S.A., and Russell, J.S.: "Strategies for Achieving Excellence in Construction Safety Performance," *ASCE Journal of Construction Engineering and Management,* Vol. 122, No.1, March 1996, pp. 61-70.

60. Russell, J. S. and Zhai, H.: "Predicting Contractor Failure Using Stochastic Dynamics of Economic and Financial Variables," *ASCE Journal of Construction Engineering and* Management, Vol. 122, No. 2, June 1996, pp. 183-191.

61. Lawrence, S.P., Hanna, A.S., and Russell, J.S.: "Performance of Polyethylene Parting Strips in PCC Pavements," *ASCE Journal of Transportation Engineering,* Vol. 122, No. 2, March/April 1996, pp. 155-163.

62. Tserng, H.P., Kunigahalli, R., and Russell, J.S.: "OPSALC: A Computer-Integrated Operations Planning System for Autonomous Landfill Compaction," *Journal of Automation in Construction*, Special Issue, No. 3, May 1996, pp. 39-50.

63. Russell, J.S., Western, J.L., Adams, R.E., Lindberg, H.A., and McComb, D.E.: "Changing the Face of Research: Partnering with Industry and Academia at WISDOT," *Transportation Research Record,* No. 191, 1997, Transportation Research Board, National Council, pp. 10-12, 29.

64. Russell, J.S., Jaselskis, E.J., and Lawrence, S.P.: "Continuous Assessment of Project Performance," *ASCE Journal of Construction Engineering and Management,* Vol. 123, No. 1, March 1997, pp. 64-71.

65. Schmitt, R.L., Hanna, A.S., Russell, J.S., and Nordheim, E.V.: "Pavement Density Measurement Comparative Analysis Using Core and Nuclear Methods," *Association of Asphalt Paving Technologists* (AAPT), Vol. 66, 1997, pp. 379-406.

66. Schmitt, R.L., Hanna, A.S., and Russell, J.S.: "Improving Asphalt Paving Productivity," *Transportation Research Record*, No. 1575, Construction: Flexible Pavements, Bridges, Quality and Management, Jan. 1997, Transportation Research Board, National Research Council, pp. 25-33.

67. Russell, J.S., Pfatteicher, S.A., and Meier, J.R.: "Improved Management of the Engineering Educational Process," *ASCE Journal of Management in Engineering*, Vol. 13, No. 6,

November/December 1997, pp. 37-41.

68. Flack, D.A., Russell, J.S., Bates, C.D., and Hayden, W.M.: "The Case for a Technology Management Institute," *ASCE Journal of Management in Engineering*, Vol. 14, No. 1, January/February 1998, pp. 26-28.

69. Hanna, A.S., Russell, J.S., and Thomack, D.J.: "Impact of Change Orders on Electrical Construction Contractors," *Cost Engineering*, Vol. 39, No. 1, February 1998, pp. 36-41.

70. Kunigahalli, R., Veeramani, D., and Russell, J. S.: "Computer Aided Process Planning for CNC Pumped-Concrete Placement," *Journal of Microcomputers in Civil Engineering, Journal of Computer-Aided Civil and Infrastructure Engineering*, Vol. 13, No. 4, July 1998, pp. 275-288.

71. Veeramani, D., Tserng, H.P., and Russell, J.S., "Computer-Integrated Collaborative Design and Operation in the Construction Industry," *Journal of Automation in Construction*, Vol. 7, No. 6, September 1998, pp. 485-492.

72. Russell, J.S., and Flack, D.A.: "Seminar Review: Applying Technology in Project Management and Product Design," *ASCE Journal of Management in Engineering*, Vol. 14, No. 5, September/October 1998, pp. 35-37.

73. Bosscher, P.J., Bahia, H.U., Thomas, S., and Russell, J.S.: "Relationship Between Pavement Temperature and Weather Data: A Wisconsin Field Study to Verify Superpave Algorithm," *Transportation Research Board*, Record No. 1609, Materials and Construction Superpave Binder Specifications, Mixture Design, and Construction, Transportation Research Board National Research Council, 1998, pp. 1-11.

74. Russell, J.S., Jaselskis, E.J., Anderson, S.A., and Hendrickson, M.L.: "Challenges and Opportunities in Construction: A Construction Congress V Summary," *ASCE Practice Periodical on Structural Design and Construction,* Vol. 3, No. 4, November/December 1998, pp. 164-171.

75. Russell, J.S., Jaselskis, E.J., Anderson, S.D., and Hendrickson, M.L.: "A Summary of Construction Congress V," *ASCE Journal of Management in Engineering*, Vol. 14, No. 6, November/December 1998, pp. 27-30.

76. Schmitt, R.L., Russell, J.S., Hanna, A.S., Bahia, H.U. and Jung, G.: "Summary of Current Practices for Hot-Mix Asphalt Construction Quality Control/Quality Assurance for Hot Mix Asphalt," *Transportation Research Board,* Record No. 1632, Materials and Construction Quality and Management, Transportation Research Board National Research Council, 1998, pp. 22-31.

77. Krishnamurthy, B.K., Tserng, H., Schmitt, R.L., Russell, J.S., Bahia, H.U., and Hanna, A.S.: "AutoPave: Towards an Automated Paving System for Asphalt Pavement Compaction Operations," *Journal of Automation in Construction*, Vol. 8, No. 2, 1998, pp. 165-180.

78. Vandenberg, P., Hanna, A.S., and Russell, J.S.: "Impact of Change Orders on Mechanical Construction Labor Efficiency," *ASCE Journal of Construction Management and Economics,* Vol. 17, No. 6, 1998, pp. 721-730.

79. Bahia, H.U., Friemel, T.P., Peterson, P.A., and Russell, J.S.: "Optimization of Constructability and Resistance to Traffic: A New Design Approach for HMA Using the Superpave Compactor," *Journal of the Association of Asphalt Paving Technologists,* Vol. 67, 1998, pp. 189-232.

80. Zhai, H. and Russell, J.S.: "Stochastic Modeling and Prediction of Contractor Default Risk," *Journal of Construction Management and Economics*, Vol. 17, No. 5, 1999, pp. 563-576.

81. Hanna, A.S., Russell, J.S., Gotzion, T., and Nordheim, E.V.: "Impact of Change Orders on Labor Efficiency for Mechanical Construction," *ASCE Journal of Construction Engineering and Management*, Vol. 125, No. 3, 1999, pp. 176-184.

82. Russell, J.S., Hanna, A.S., Anderson, S.D., Wisley, P.W., and Smith, R.J.: "The Warranty Alternative," *Civil Engineering—ASCE,* Vol. 69, No. 5, May 1999, pp. 60-63.

83. Bosscher, P.J., Foose, E.M., and Russell, J.S.: "Estimating Bearing Capacity of Piles Installed with Vibratory Drivers" *National Geotechnical Experimentation Sites,* No 93, 2000, pp. 279-305.

84. Abudayyeh, O., Russell, J., Johnston, D., and Rowings, J., "Construction Engineering and Management Undergraduate Education," *ASCE Journal of Construction Engineering and Management,* Vol. 126, No. 3, 2000, pp. 169-175.

85. Meier, J. and Russell, J.S.: "Model Process for Implementing Maintainability," *ASCE Journal of Construction Engineering and Management,* Vol. 126, No. 6, 2000, pp. 440-450.

86. Shr, J.F., Thompson, B.P., Russell, J.S. and Ran, B.: "Determining Minimum Contract Time for Highway Projects," *ASCE Journal of Professional Issues in Engineering Education and Practice,"* Vol. 126, No. 2, 2000, pp. 54-64.

87. Tserng, H.P., Ran, B., and Russell, J.S.: "Interactive Path Planning for Multi-Equipment Landfill Operations," *Journal of Automation in Construction*, Vol. 10, No. 1, 2000, pp. 155-168.

88. Norton, J.W., Nixon, W.A., Russell, J.S., Stouffer, B., and Walesh, S.G.: "The First Professional Degree: A Historic Opportunity," *ASCE Journal of Professional Issues in Engineering Education and Practice*, Vol. 126, No. 2, April 2000, pp. 54-63.

89. Russell, J.S., Stouffer, B., and Walesh, S.G.: "Closure of 'The First Professional Degree: A Historic Opportunity," *ASCE Journal of Professionals Issues in Engineering Education and Practice*, Vol. 127, No. 4, 2001, pp.199-201.

90. Moua, B. and Russell, J.S.: "Comparison of Two Maintainability Programs," *ASCE Journal of Construction Engineering and Management*," Vol. 127, No. 3, 2001, pp. 239-244.

91. Moua, B., and Russell, J.S.: "Evolution of Formal Maintainability Program for Large Manufacturing Company," *Journal of Performance of Constructed Facilities*," Vol. 15, No. 2, May 2001, pp. 46-53.

92. Schmitt, R.L., Hanna, A.S., Russell, J.S., and Nordheim, E.V.: "Analysis of Bias in HMA Field Split-Sample Testing," *Journal of the Association of Asphalt Paving Technologists,* Vol. 70, 2001, pp. 273-300.

93. Schmitt, R.L., Hanna, A.S., Russell, J.S., and Nordheim, E.V.: "Statistically-Based Methods for Verification Testing," *Journal of Transportation Research Record*, No. 1761, 2001, pp. 86-92.

94. Her, M.B., and Russell, J.S.: "Maintainability Implemented by Third-Party Contractor for Public Owner," *ASCE Journal of Management in Engineering*, Vol. 18, No. 2, April 2002, pp. 95-102.

95. Thompson, B., Anderson, S., Russell, J., and Hanna, A.: "Guidelines for Warranty Contracting for Highway Construction," *ASCE Journal of Management in Engineering*, Vol. 18, No. 3, July 2002, pp. 103-155.

Selected as the Outstanding Paper in the ASCE Journal of Management in Engineering in 2002.

96. Hanna, A.S. and Russell, J.S.: "Discussion of Impact of Change Orders on Labor Efficiency for

Electrical Construction," *ASCE Journal of Construction Engineering and Management*, Vol. 128, No.4, July/August 2002, pp. 362-364.

97. Dieter, D.A., Dietsche, J.S., Bank, L.C., Oliva, Michael G., and Russell, J.S. "Concrete Bridge Decks Constructed with Fiber-Reinforced Polymer Stay-in-Place Forms and Grid Reinforcing," *Transportation Research Record*, Transportation Research Board, No. 1814, pp. 219-226.

98. Bank, L.C., Gentry, R.T., Thompson, B.P., and Russell, J.S.: "Model Specification for Composites for Civil Engineering Structures," *Transportation Research Record,* Transportation Research Board, No. 1814, pp. 227-236.

99. Russell, J.S., Walesh, S.G., Anderson, R.O., Buehring, N.L., Duncan, A.D., Durrant, J.E., Esslinger, J.C., Galloway, G.E., Maples, B.A., Parsons, B.K., Price, B.E., and Lenox, T.: "Policy Statement 465: Why We Must Raise the Bar," *Civil Engineering*, Vol. 72, No. 4, April 2002, pp. 60-65, 94-95.

100. Kim, S.K. and Russell, J.S.: "Framework for an Intelligent Earthwork System Part I. System Architecture," *Journal of Automation in Construction*, Vol. 12, No. 1, January 2003, pp. 1-14.

101. Kim, S.K. and Russell, J.S.: "Framework for an Intelligent Earthwork System Part II. Task Identification/Scheduling and Resource Allocation Methodology," *Journal of Automation in Construction*, Vol. 12, No. 1, January 2003, pp. 15-29.

102. Ammar, A., Hanna, A.S., Nordheim, E.V., and Russell, J.S.: "Indicator Variables Model of Firm's Size-Profitability Relationship of Electrical Contractors using Financial and Economic Data," *ASCE Journal of Construction Engineering and Management*, Vol. 129, No. 2, March/April 2003, pp. 192-197.

103. Kim, S.K., Russell, J.S., and Koo, K.J.: "Construction Robot Path-Planning for Earthwork Operations," *ASCE Journal of Computing in Civil Engineering*, Vol. 17, No. 2, April 2003, pp. 97-104.

104. Russell, J.S. and Stouffer, W.B.: "Some Ethical Dimensions of Additional Education Beyond the Base," *ASCE Journal of Professional Issues in Education and Practice*, Vol. 129, No., 4, October 2003, pp. 225-231.

105. Bank, L.C.; Gentry, T.R.; Thompson, B.P.; Russell, J.S.: "A model specification for FRP composites for civil engineering structures," *Construction and Building Materials*, Vol. 17, No. 6-7, September/October, 2003, pp. 405-437.

106. Jang, H. S., Russell, J. S., Yi, J. S.: "A project manager's level of satisfaction in construction logistics," *Canadian Journal of Civil Engineering*, Vol. 30, No. 6, December, 2003, pp. 1133-1142.

107. Choi, J. S. and Russell, J. S.: "Economic Gains around Mergers and Acquisitions in the Construction Industry of the United States of America," *Canadian Journal of Civil Engineering*, Vol. 31, No. 3, June, 2004, pp. 513-525.

108. Lee, D. K. and Russell, J.S.: "Panel Data Analysis of Factors Affecting As-Built Roughness of Asphaltic Concrete Pavements," *Journal of Transportation Engineering*, Vol. 130, No. 4, July/August 2004, pp. 479-485.

109. Choi, J. S. and Russell, J. S.: "Long-Term Entropy and Profitability Change of United States Public Construction Firms," *ASCE Journal of Management in Engineering*, Vol. 21, No. 1, January 2005, pp. 17-26.

110. Kanitpong, K., Bahia, H., Russell, J., and Schmidt, R.: "Predicting Field Permeability from Testing HMA Specimens Produced by Superpave Gyratory Compactor," *Journal of the Transportation Research Board,* February 2005, pp. 52-58.

111. Russell, J.S. and Stouffer, W.B.: "Survey of the National Civil Engineering Curriculum," *Journal of Professional Issues in Engineering Education and Practice,* ASCE, Vol. 131, No. 2, April 2005, pp. 118-128.

112. Russell, J.S., Park, H.K., and Han, S.H.: "Cash Flow Forecasting Model for General Contractors using Moving Weights of Cost Categories," *ASCE Journal of Management in Engineering*, Vol. 21, No. 4, October 2005, pp. 164-172.

113. Russell, J.S.: "Mentoring in Engineering," *Leadership and Management in Engineering*, ASCE, Volume 6, Issue 1, January 2006, pp. 34-37

    Selected as the outstanding paper of 2006 for Leadership and Management in Engineering.

114. Ringelstetter, T.E., Bank, L.C., Oliva, M.G., Russell, J.S., Matta, F., and Nanni, A.: "Development of a Cost-Effective Structural FRP Stay-In-Place Formwork System for Accelerated and Durable Bridge Deck Construction," *Proceedings of 85th Annual Transportation Research Board Meeting*, CD-ROM, Washington, DC, January 21-24, 2006.

115. Bank, L.C., Oliva, M.G., Russell, J.S., Jacobson, D.A., Conachen, M., Nelson, B., and McMonigal, D.: "Double Layer Prefabricated FRP Grids for Rapid Bridge Deck Construction: Case Study," *Journal of Composites for Construction,* ASCE, Vol. 10, No. 3, 2006, pp. 204-212.

    Selected as Best Applied Research Paper in the Journal in 2007.

116. Kim, S.K., Russell, J.S., and Koo, K.J.: "Closure to Construction Robot Path-Planning for Earthwork Operations," *Journal of Computing in Civil Engineering*., ASCE, Vol. 20, No. 4, July/August 2006, pp. 302-303.

117. Berg, A.C., Bank, L.C., Oliva, M.G., and Russell, J.S.: "Construction and Cost Analysis of an FRP Reinforced Concrete Bridge Deck," *Journal of Construction and Building Materials Elsevier*. Vol. 20, No.8, October 2006, pp. 515-526.

118. Russell, J. S., Hanna, A.S., Bank, L. C., and Shapira, A.: "Education in Construction Engineering and Management Built on Tradition: Blueprint for Tomorrow," *Journal of Construction Engineering and Management,* ASCE, Vol. 133 No. 9, September 2007, pp. 661-668.

119. Bank, L.C., Malla, A.P., Oliva, M.G., Russell, J.S., Bentur, A. and Shapira, A.: "A Model Specification for Fiber Reinforced Non-Participating Permanent Formwork Panels for Concrete Bridge Deck Construction," *Construction and Building Materials*, February 2008.

120. Russell, J.S. and Nelson, J.: "Completing the Circle of Professional Development through Leadership and Mentoring," *Leadership and Management in Engineering*, ASCE, Vol. 9, No. 1, January 2009, pp. 40-42.

121. Lynch, D.R. and Russell, J.S.: "Experiential Learning in Engineering Practice," *Journal of Professional Issues in Engineering Education & Practice*, ASCE, Vol. 135, No. 1, January 2009, pp. 31-39.

    Selected as the Outstanding Paper in the Journal in 2009.

122. Lynch, D.R., Russell, J.S., Evans, J.C., and Sutterer, K.G.: "Beyond the Cognitive: The Affective

Domain, Values and the Achievement of the Vision," *Journal of Professional Issues in Engineering Education & Practice*, ASCE, Vol. 135, No. 1, January 2009, pp. 47-56.

123. Lynch, D.R., Russell, J.S., Mason, J.M., and Evans, J.C.: "Claims on the Foundation: Professionalism and its Liberal Base," *Journal of Professional Issues in Engineering Education & Practice*, ASCE, Vol. 135, No. 3, July 2009, pp. 109-116.

124. Russell, J.S.: "Creating and Cultivating the Next Generation of Construction Professionals," *Advancing the Competitiveness and Efficiency of the U.S. Construction Industry,* National Research Council of the National Academies, Oct 2009, pp. 95-114.

125. Bank, L.C., Galati, N., Jones, S.N., Matta, F., Nanni, A., Oliva, M.G., Orr, B.M., Ringelstetter, T.E., and Russell, J.S.: "Development and Field Testing of an FRP Composite Bridge Desk Comprising of Guard Rail System for Bridge 1480230, Greene County, MO," *National Technical Information Service,* Transportation Research Board, Jan 2010.

126. Kim, S.K., Seo, J., and Russell, J.S.: "Intelligent Navigation Strategies for an Automated Earthwork System," *Automation in Construction*, Vol. 21, Jan 2012, pp. 132-147.

127. Tserng, H.P., Russell, J.S., Hsu, C.W., and Lin, C.: "Analyzing the Role of National PPP Units in Promoting PPPs: Using New Institutional Economics and a Case Study," *Journal of Construction Engineering and Management*, ASCE, Vol. 138, No. 2, February 2012, pp. 242-249.

128. Russell, J.S., Menassa, C.C., and McCloskey, E.: "Lifelong Learning to Leverage Project and Career Success: 21st Century Imperative," *Pract. Period. Struct. Des. Constr,* ASCE, SPECIAL ISSUE: Construction Engineering: Leveraging Project and Career Success, Vol. 9, February 2014, pp. 137-141.

129. Laufer, A., Hoffman, E.J., Russell, J.S., and Cameron, W.S. (Spring 2015) "What Successful Project Managers Do," *MIT Sloan Management Review*, 43-51.

130. Hanna, A., Ibrahim, M., Lotfallah, W., Iskandar, K., and Russell, J. (2016). "Modeling Project Manager Competency: An Integrated Mathematical Approach." *Journal of Construction Engineering and Management*, 142(8): 04016029.

131. Hanna, A.S., Iskander, K.A., Lotfallah, W., Ibrahim, M.W., & Russell, J.S. (2017). "A Data-driven Approach for Identifying Project Manager Competency Weights," *Canadian Journal of Civil Engineering*, 45(1): 1-8.

132. Abotaleb, I. S., El-Adaway, I. H., Ibrahim, M. W., Hanna, A. S., & Russell, J. S. (2019). "Causes, Early Warning Signs, and Impacts of Out-of-Sequence Construction: Expert-Based Survey Analysis." *ASCE Journal of Management in Engineering*, 35(6): 04019030.

133. Abotaleb, I. S., El-Adaway, I. H., Ibrahim, M. W., Hanna, A. S., & Russell, J. S. (2020). "Developing a Rating Score for Out-of-Sequence Construction." *ASCE Journal of Management in Engineering*, 36(3): 04020013.

134. Ibrahim, M. W., Hanna, A. S., & Russell, J. S., Abotaleb, I. S., El-Adaway, I. H. (2020)."Comprehensive Analysis of Factors Associated with Out-of-Sequence Construction." *ASCE Journal of Management in Engineering*, 36(4): 04020031.

135. Ibrahim, M. W., Hanna, A. S., & Russell, J. S., Abotaleb, I. S., El-Adaway, I. H. (2020). "Quantitative Analysis of the Impacts of Out-of-Sequence Work on Project Performance." *ASCE Journal of Management in Engineering*, 146(8): 04020090.

136. Ibrahim, M.; Labib, Y.; Veeramani, D.; Hanna, A.; Russell, Jeffrey S. (2021). "A Comprehensive Model for Construction Readiness Assessment." *ASCE Journal of Management in Engineering*, 37(1): 04020088.

Monographs or Book Chapters

1. Russell, J.S. and Kunigahalli, R.: *The Civil Engineering Handbook*, contributor to Construction Section, Co-authored chapter titled, "Construction Automation," Published by CRC Press, Boca Raton, FL, 1994, pp. 130-162.
2. Hanna, A., Russell, J.S., Taha, M., and Park, S.C.: *ASCE Artificial Neural Network Monograph*, Co-authored construction application chapter titled, "Neural Network Applications to Construction Engineering and Management," published by ASCE, New York, NY, 1997, pp. 124-136.
3. Taha, M.A., Abou-Zeid, A.M., Hanna, A.S. and Russell, J.S.: Artificial *Neural Networks for Civil Engineers: Advanced Features and Applications*, "Co-authored construction application chapter titled, "Merging genetic Algorithms with Neural Networks: Owner Contractor Prequalification Example," published by ASCE, Reston, VA, 1998, pp. 247-259.
4. Russell, J.S., Kluender, S.J., and Thompson, M.K.: *Mapping the Field of Adult & Continuing Education*, Co-authored chapter titled, "Strategic Planning for Lifelong Learning," Published by Stylus Publishing LLC, Sterling, VA, 2017, pp. 369-374.

Books

1. Russell, J.S.: Constructor Prequalification: *Choosing the Best Constructor and Avoiding Constructor Failure*, American Society of Civil Engineers Press, New York, N.Y., February 1996, 193 pgs.
2. Russell, J.S.: *Surety Construction Contract Bonds*, American Society of Civil Engineers Press, Reston, VA, March 2000, 500 pgs.
3. Russell, J.S.: *Perspectives in Civil Engineering, Commemorating the 150th Anniversary of the American Society of Civil Engineers*, Editor, American Society of Civil Engineers Press, Reston, VA, ISBN: 0-7844-0686-3, November 2003, 401 pgs.
4. Russell, J.S. & Lenox, T.A.: *Raise the Bar: Strengthening the Civil Engineering Profession*, Editor, American Society of Civil Engineers Press, Reston, VA, ISBN: 978-0-7844-1317-3 (paper), ISBN: 978-0-7844-7801-1 (eBook), March 2013, 270 pgs.
5. Laufer, Alex; Little, Terry; & Russell, Jeffrey; and Maas, Bruce: *Becoming a Project Leader: Blending Planning, Agility, Resilience, and Collaboration.* Palgrave Macmillan. ISBN: 978-3-319-66723-2 (hardcover), ISBN: 978-3-319-66724-9 (eBook), 2018, 136 pgs.
6. Russell, J.S., Nelson, John S. & Pferdehirt, Wayne P.: *(2018). Technical Project Management in Living and Geometric Order: A Practical Perspective*, Board of Regents of the University of Wisconsin System (eBook), 2018, 325 pgs.

Contributed Papers at Conferences Published in Whole or by Abstract

1. Russell, J.S. and Chang, L.M.: "Methods for Construction Productivity Measurement," *Proceedings of Thirty First Annual Conference of the American Association of Cost Engineers*, June 1987, Atlanta, GA, pp. K.1.1-K.1.10.

2. Russell, J.S. and Skibniewski, M.J.: "A Structured Approach to the Contractor Prequalification Process in the U.S.A.," *Proceedings of CIB-SBI Fourth International Symposium on Building Economics*, September 1987, Copenhagen, Denmark, pp. 240-251.

3. Russell, J.S. and Skibniewski, M.J.: "An Expert System for Contractor Prequalification," *Proceedings of Computing in Civil Engineering: Microcomputers to Supercomputers*, American Society of Civil Engineering Fifth Conference on Computing in Civil Engineering, March 1988, Alexandria, VA, pp. 289-247.

4. Russell, J.S. and Skibniewski, M.J.: "Knowledge Engineering in a Knowledge-Based System for Contractor Prequalification," *Proceedings of Microcomputer Knowledge-Based Expert Systems in Civil Engineering*, American Society of Civil Engineers National Convention, May, 1988 Nashville, TN, pp. 169-185.

5. Skibniewski, M.J. and Russell, J.S.: "An Ergonomic Analysis Framework for Construction Robot Performance Requirements," *Proceedings of Fifth International Symposium on Robotics in Construction*, sponsored by Japan Industrial Robot Association, June 3-06, 1988, Tokyo, Japan, pp. 531-540.

6. Russell, J.S., Skibniewski, M.J., Killen, T.S. and Robinson, J.H.: "Evaluating Alternatives in Construction Management," *Proceedings of Constructed Project Excellence*, J. Bard editor, American Society of Civil Engineering, Construction Congress I, March 5-8, 1989, San Francisco, California, pp. 340-348.

7. Skibniewski, M.J., Vanegas, J.A., and Russell, J.S.: "Construction Robotic Equipment Management System (CREMS)," *Proceedings of Sixth International Symposium on Automation and Robotics in Construction*, sponsored by the Construction Industry Institute, June 6-8, 1989, San Francisco, CA, pp. 404-411.

8. Russell, J.S.: "Contractor Prequalification Data for Construction Managers, Published in *CM Advisor*, Construction Management Association of America, July 1989, pp. 6-7.

9. Russell, J.S.: "Research and Development in the Construction Industry," Published in *Wisconsin Chapter of the Associated General Contractors of America*, Inc., October Newsletter, pp. 2-3.

10. Russell, J.S. and Ahmad, I.: "A PERT Approach to Contractor Prequalification Analysis," *Proceedings of Thirty-Fourth Annual Conference of the American Association of Cost Engineers (AACE)*, Boston, MA, pp. D.1.1-D.1.6.

11. Lee, T. and Russell, J.S.: "Potential Applications of GIS to Construction," *Proceedings of Countdown to the 21st Century, ASPRS/SACSM Annual Convention*, March 18-23, 1990, Denver, CO, (paper distributed at conference).

12. Skibniewski, M.J., Tamaki, K., and Russell, J.S.: "Construction Robot Implementation Logistics," *Proceedings of Seventh International Symposium on Automation and Robotics in Construction*, sponsored by Bristol Polytechnic Department of Trade and Industry, June 5-7, 1990, Bristol, England, pp. 543-555.

13. Russell, J.S.: "Research and Development in the Construction Industry," Published in *the*

Wisconsin Professional Engineer, July/August 1990, pp. 18-19.

14. Russell, J.S., Skibniewski, M.J., and Kunigahalli, R.: "Generic Framework For Evaluation Of Multiple Types Of Construction Robots," *Proceedings of Constructed Project Excellence*, L. Chang editor, American Society of Civil Engineering, Construction Congress II, April 13-16, 1991, Cambridge, MA, pp. 240-246.

15. Meyer, G.W. and Russell, J.S.: "Electronic Communication Between Project Participants," *Proceedings of Constructed Project Excellence*, L. Chang editor, American Society of Civil Engineering, Construction Congress II, April 13-16, 1991, Cambridge, MA, pp. 620-625.

16. Russell, J.S. and Radtke, M.W.: "Subcontractor Failure: Case Study," *Proceedings of Thirty-Fifth Annual Conference to American Association of Cost Engineers*, June 1991, Seattle, WA, E.2.1-E.2.6.

17. Russell, J.S. and Casey, J.J.: "The Future Is Now For the Global Construction Market," *Construction Business Review*, 3 (1) 1993, 70-74.

18. Russell, J.S. and O'Connor, J.T.: *Preview to Constructability Implementation*, Publication 34-2, 1993, Construction Industry Institute, University of Texas at Austin, Austin, TX (reviewed by a publication committee consisting of industry professionals).

19. *Constructability Implementation Guide*, Publication 34-1, 1993, Construction Industry Institute, University of Texas at Austin, Austin, TX, wrote 4 chapters contained in guide, pp. 1-277 (reviewed by a publication committee consisting of industry professionals).

    The 6th best-selling document since 1992 for the Construction Industry Institute. CII has over 250 publications. Has led to an increase in the implementation of constructability.

20. Kunigahalli, R., Russell, J.S., and Skibniewski, M.J.: "Motion Planning For Automated Construction," *Proceedings of Tenth International Symposium on Automation and Robotics in Construction*, Sponsored by Construction Industry Institute, May 23-26, 1993, Houston, TX, pp. 407-414.

    Selected as one of the best papers presented at the Symposium. A total of 71 papers were published in the conference proceedings. Eleven were selected as the best papers from the conference.

21. Abou-Zeid, A. and Russell, J.S.: "Using Data Flow Diagrams to Study Communication Process Between Construction Project Participants," *Proceedings of Fifth International Conference on Computing in Civil Engineering*, Sponsored by ASCE, June 7-9, 1993, Anaheim, CA, pp. 245-254.

22. Jeljeli, M.N. and Russell, J.S.: "Surety Bonds for Hazardous and Toxic Waste Construction: Opportunities and Risks," *Construction Business Review*, 3 (4) 1993, pp. 72-75.

23. Kunigahalli, R. and Russell, J.S.: "Towards CAD/CAC: Integrated Computer-Aided Design and Construction," *Proceedings of Third International Conference on Fossil Plant Construction*, sponsored by Electrical Power Research Institute, October 26-28, 1993, Palm Beach, FL.

24. Kunigahalli, R. and Russell, J.S.: "Visibility Graph Approach to Detached Path Planning in CNC Concrete Placement," *Proceedings of Eleventh International Symposium on Automation and Robotics in Construction*, Sponsored by Construction Robotics Unit, Structures Research Center, May 24-26, 1994, Brighton, England, pp. 141-147.

25. Kunigahalli, R. and Russell, J.S.: "An Automated Process Planning System for Concrete Construction," *Proceedings of Eleventh International Symposium on Automation and Robotics in*

Construction, Sponsored by Construction Robotics Unit, Structures Research Center, May 24-26, 1994, Brighton, England, pp. 117-123.

26. Nebel, R.A. and Russell, J.S.: "Case Study of Navy Pier Pile Foundation Installation," *Proceedings of International Marinas, Parks, and Recreation Developments Conference*, June 26-30, 1994, Milwaukee, WI, pp. 311-320.

27. Kunigahalli, R. and Russell, J.S.: "Software Technology for Design and Construction of Reinforced Concrete Structures," *Construction Business Review*, 4(5), 58-61.

28. Kunigahalli, R., Russell, J.S., and Skibniewski, M. J.: "Construction Automation and Intelligent Vehicle Highway Systems: Common Thrust Areas," *Proceedings of Twelfth International Symposium on Automation and Robotics in Construction*, Sponsored by Building Mechanization and Mineral Mining Research Institute, May 30, June 1 1995, Warsaw Poland, pp. 71-76.

29. Tserng, H. P., Kunigahalli, R., and Russell, J. S.: "OPSALC: An Operations Planning System for Autonomous Landfill Compaction," *Proceedings of Twelfth International Symposium on Automation and Robotics in Construction*, Sponsored by Building Mechanization and Mineral Mining Research Institute, May 30, June 1 1995, Warsaw Poland, pp. 63-69.

    Selected as the best technical paper of the conference out of 71 papers from 16 countries.

30. Kunigahalli, R. and Russell, J. S.: "Traffic Congestion Characterization from Supervised Learning," *Proceedings of Sixth International Conference on Computing in Civil and Building Engineering*, Sponsored by Construction Robotics Unit, Structures Research Center, June 12-15, 1995, Berlin Germany.

31. Jaselskis, E.J., Anderson, S.D., and Russell, J.S., "Strategies for Improving Construction Company Safety Performance," *Proceedings of Sponsored by CBI Committee W78*, February 14-16, 1996, Melbourne, Australia, pp. 160-180.

32. Tserng. H.P., Russell, J.S., Veeramani, D., and Kunigahalli, R.: "A Motion Planning Software System for Automated Landfill Compaction on Rough Surfaces," *Proceedings of Thirteenth International Symposium on Automation and Robotics in Construction* Sponsored by the Japan Robot Association, May 30, June 1, 1996, Tokyo, Japan, pp. 405-413.

    Selected as one of the best papers presented at the 14th International Symposium on Automation and Robotics in Construction held in Japan. A total of 70 papers were published in the conference proceedings. Ten were selected as the best papers from the conference.

33. Tserng, H.P., Russell, J.S., Krishnamurthy, B., and Schmitt, R.: "An Operations Planning System for Asphalt Pavement Compaction," *Proceedings of Thirteenth International Symposium on Automation and Robotics in Construction* Sponsored by the Japan Robot Association, May 30, June 1, 1996, Tokyo, Japan, pp. 349-358.

34. Russell, J.S.: "The Idea of Building: Thought and Action in the Design and Protection of Buildings by Steven Groak," *ASCE Journal of Management in Engineering*, Vol. 12, No. 4, July/August 1996, pp. 15-17.

35. Rodriguez, Y.A., Jaselskis, E.J., and Russell, J.S.: "Relationship Between Project Performance and Accidents," *Proceedings of Implementation of Safety and Health on Construction Sites*, Sponsored by CBI committee X-X, September 1996, Lisbon, Portugal.

36. Russell, J.S. and Jaselskis, E.J.: *Continuous Assessment of Project Performance*, Construction Industry Institute, University of Texas, Austin, Special Publication, 1996.

37. Russell, J.S. and Yao, J.T.P.: "Engineering Management: What Students Need to Know," *ASCE Journal of Management in Engineering*, Vol. 12, No. 6, Nov./Dec. 1996, pp. 17-24.

38. Russell, J.S.: "We Need Your Input: Evaluating a Year of JME," *ASCE Journal of Management in Engineering*, Vol. 13, No. 2, March/April 1997, pg. 3.

39. Veeramani, D., Tserng, H.P., and Russell, J.S.: "Computer-Integrated Collaborative Design and Operation in the Construction Industry: A Case of Deja Vu?" published in *Team CAD Workshop on Collaborative Design*, May 12-13, 1997, Georgia Tech., Atlanta, GA.

40. Russell, J.S. and Meier, J.R., "Mobilizing the Organization: Bringing Strategy to Life by George Litwin, John Bray, Kathleen Lusk Brook," *ASCE Journal of Management in Engineering*, Vol. 13, No. 3, May/June 1997, pg. 16.

41. Tserng, H.P., Russell, J.S., and Veeramani, D.: "The Development of 3-D Graphical Database System for Landfill Operations Using GPS," *Proceedings of Fourteenth International Symposium on Automation and Robotics in Construction*, June 8-11, 1997, Pittsburgh, PA, pp. 502-510.

42. Lee, H., Schmitt, R.L., Tserng, H.P., Russell, J.S., Bahia, H.U. and Hanna, A.S.: "Real-Time Improving Productivity for Asphalt Pavement Operations Using GPS," *Proceedings of Fourteenth International Symposium on Automation and Robotics in Construction*, June 8-11, 1997, Pittsburgh, PA, pp. 423-431.

43. Tserng, H.P., Ran, R., Russell, J.S., and Uicker, J.J.: "Interactive Path Planning for Construction Equipment," *Proceedings of Fourteenth International Symposium on Automation and Robotics in Construction*, June 8-11, 1997, Pittsburgh, PA, pp. 388-397.

44. Russell, J.S., Western, J.L., Adams, R.E., Lindberg, H.A., and McComb, D.E.: "Changing the Face of Research - Partnering with Industry and Academic at WisDOT," TR News, *Transportation Research Board*, National Research Council, No. 191, July/Aug., 1997, pp. 10-13.

45. Tserng, H.P. and Russell, J.S.: "An Instantaneous Motion Planning and Controlling Tool (Impact) for Construction Equipment," *Proceedings of ASCE Construction Congress V*, Minneapolis, MN, October 5-8, 1997, pp. 1020-1029.

46. Russell, J.S., Flack, D.A., Bates, D., Hayden, W.M., and Walesh, S.W.: "A Case for an Institute of Technology and Management: A New Age of Cooperation?" *ASCE Journal of Management in Engineering*, Vol. 14, No. 1, Jan./Feb. 1998, pp. 26-28.

47. Lee, H., Schmitt, R.L., Tserng, H., Russell, J.S., Bahia, H.U. and Bosscher, P.J.: "Automated Hot Mix Asphalt Construction System by Integrating Productivity and Material Quality," *Proceedings of Fifteenth Annual International Symposium on Automation and Robotics in Construction*, 1998, Munich, Germany, pp. 163-172.

48. Dettinger, K.M., Doh, R.H., Reindl, D.T., Bollinger, J.G., Russell, J.S., and Farrell, P.V.: "Creating A Sustainable Learning Environment," *Proceedings of American Society of Engineering Educators (ASEE),* Seattle, WA, June 28-30, 1998.

49. Russell, J. and Stouffer, B.: "Building International Construction Alliances: Successful Partnering for Construction Firms by Roberto Pietroforte," *ASCE Journal of Management in Engineering*, Vol. 14, No. 4, July/August 1998, pp. 19-20.

50. Russell, J.S. and Flack, D.A.: "Seminar Review: Applying Technology in Project Management and Product Design," *ASCE Journal of Management in Engineering*, Vol. 14, No. 5, 1998, pp. 35-37.

51. Russell, J.S., Jaselskis, E.J., Anderson, S.A., and Hendrickson, M.L.: "A Summary of Construction Congress V," *ASCE Journal of Management in Engineering*, Vol. 14, No. 6, 1998, pp. 27-30.

52. Russell, J.S., Hanna, A.S., Anderson, S.D., Wiseley, P.W., and Smith, R.J.: "The Warranty Alternative," *ASCE Civil Engr. Magazine*, Vol. 69, No. 5, May 1999, p.60.

53. Lee, H.J., Schmitt, R.L., Tserng, H.P., Russell, J.S., and Bahia, H.U.: "Automated Quality Control of Hot-Mix Asphalt Construction Operation," *Proceedings of Sixteenth International Association for Automation and Robotics in Construction,* ISARC '99, Sept. 22-24, 1999, Madrid, Spain.

54. Russell J.S.: "Servant-Leadership: Enhancing Employee's Lives and the Bottom Line," *ASCE Journal of Management in Engineering*, Vol. 15, No. 5, September/October 1999, pg. 3.

55. Russell, J.S., Stouffer, B., and Walesh, S.G.: "The First Professional Degree and the Advance of CE," *ASCE Convention and Exposition*, October 18-21, 1999, Charlotte, NC.

56. Russell, J.S., Moua. B., and Meier, J.R.: "State-of-Practice in Maintainability: Seven Core Studies," *Res. Rep. 142-12, Construction Industry Institute*, University of Texas at Austin, Austin, TX, 1999.

57. Russell, J.S.: "The Significance and Value of Labor," *ASCE Journal of Management in Engineering*, Vol. 15, No. 6, November/December 1999, pp. 3-4.

58. Lewis, B., Russell, J., Avila, C., Benton, S., Hayden, W., Haransky, S., Farr, J., and Hobbs, J.: "Forum," *ASCE Journal of Management in Engineering*, Vol. 15, No. 6, November/December 1999, pp. 5-23.

59. Russell, J.S.: "Trends in our industry," *ASCE Journal of Management in Engineering*, Vol. 16, No. 1, January/February 2000, p. 3.

60. Russell, J.S.: "Editor's Letter: Change is Coming: A Customer - Driven Publication That Ads Value," *ASCE Journal of Management in Engineering*, Vol. 16, No. 2, 2000, p. 3.

61. Russell, J.S.: "Editor's Letter: How About Coaching for Improved Performance," *ASCE Journal of Management in Engineering*, Vol. 16, No. 3, 2000, p. 3.

62. Russell, J.S.: "Editor's Letter: The Global Economy," *ASCE Journal of Management in Engineering*," Vol. 16, No. 6, 2000, p. 3.

63. Schmitt, R.L., Hanna, A.W., Russell, J.S., and Nordheim, E.V.: "Contractor Quality Control Testing Levels for Highway Construction," *Proceedings of ASCE Construction Congress VI: Building Together for a Better Tomorrow in an Increasingly Complex World*, Edited by Kenneth D. Walsh, Orlando, FL, February 20-22, 2000.

64. Jung, G.A., Russell, J.S., Schmitt, R.L., and Hanna, A.S.: "Inspection Tasks for Hot Mix Asphalt Overlays," *Proceedings of ASCE Construction Congress VI: Building Together for a Better Tomorrow in an Increasingly Complex World*, Edited by Kenneth D. Walsh, Orlando, FL, February 20-22, 2000.

65. Hanna, A.S., Peterson, P., Dettwiler, J., Russell, J.S., and Gunduz, M.: "Assessment of Global Impact of Change Orders on Construction: Approach," *Proceedings* for *ASCE Construction Congress VI: Building Together for an Increasingly Complex World*, Edited by Kenneth D. Walsh, Orlando, FL, February 20-22, 2000.

66. Russell, J.S.: "Change is Coming: A customer-Driven Publication That Adds Value," *ASCE Journal of Management in Engineering*, Vol. 16, No. 2, March/April 2000, pg. 3.

67. Kim, S.K. and Russell, J.S.: "Framework for an Intelligent Field Operation System IFOS: Part 1 - System Architecture," *Proceedings of Automation and Robotics in Construction*, pp. 1-7.

68. Kim, S.K. and Russell, J.S.: "Framework for an Intelligent Field Operation System IFOS: Part 2 - Task Identification and Planning Methodology," *Proceedings of Automation and Robotics in Construction*, pp. 8-14.

69. Russell, J.S., Stouffer, B., and Walesh, S.G.: "Business Case for the Master's Degree: The Financial Side of the Equation," *ASCE Education Conference*, October, Houston, TX, pp. 49-59.

70. Koo, K.J. and Russell, J.S.: "Program Management Model for Multiple Building Maintenance Projects," *Proceedings of the 8th International Conference on Computing in Civil and Building Engineering (VIII-ICCCBE)*, (ed.) R. Fruchter Et al., Stanford, CA, ASCE, 2000, pp. 1220-1227.

71. Kim, S.K., Koo, K.J., and Russell, J.S.: "Agent-Based Approach for Intelligent Automated Landfill Operation System," *Proceedings of the 17th IAARC/CIB/IEEE/IFAC/IFR International Symposium on Automation and Robotics in Construction*, (ed.) M.T. Wang et al., Taipei, Taiwan, IAARC/CIB/IEEE/IFAC/IFR, September 18-20, 2000, pp. 91-95.

72. Lewis, B., Russell, V., Russell, J., Benton, S., and Hayden, B.: "Forum," *ASCE Journal of Management in Engineering*, Vol. 16, No. 5, September/October 2000, pp. 4-9.

73. Russell, J.S.: "Welcome to LME," *Leadership and Management in Engineering*, Vol. 1, No. 1, 2001, p. 3.

74. Russell, J.S.: "Are You Managing Perceptions?" *Leadership and Management in Engineering*, Vol. 1, No. 2, 2001, p. 2.

75. Russell, J.S.: "Journal Editors Recognized (1tr.)," *ASCE News*, Vol. 26. No. 2, February 2001, pg. 10.

76. Russell, J.S.: "Standing on the Shoulders of Our Forefathers," *Leadership and Management in Engineering*, Vol. 1, No. 3, 2001, p. 1.

77. Russell, J.S., and Schumacher, K. T.: "Beyond Race and Gender: Unleashing the Power of Your Total Work Force by Managing Diversity," *Leadership and Management in Engineering*, Vol. 1, No. 3, 2001, p. 16.

78. Russell, J.S.: "Strength in Diversity," *Leadership and Management in Engineering*, Vol. 1, No. 4, 2001, pp. 3-4.

79. Dieter, D.A., Bank, L.C., Dietsche, J.S., Oliva, M.G., and Russell,J.S.: "Concrete Bridge Decks Constructed with FRP Stay-in-Place Forms and FRP Grid Reinforcing," *Proceedings of the 5th NSF National Workshop on Bridge Research in Progress*, Minneapolis, MN, October 8-10, 2001, pp. 85-90.

80. Bank, L.C., Gentry, T.R., Thompson, B.P., and Russell, J.S.: "A Model Specification for FRP Composites for Civil Engineering Structures in FRP Composites in Civil Engineering," *Proceedings of the International Conference on FRP Composites in Civil Engineering*, Hong Kong, December 12-15, 2001, pp. 3-14.

81. Russell, J.S.: "Are You Measuring Your True Worth?," *Leadership and Management in Engineering*, Vol. 2, No. 2, 2002, p. 2.

82. Dieter, D. A., Dietsche, J.S., Bank, L.C., Oliva, M.G., and Russell, J.S.: "Concrete Bridge Decks Constructed with FRP Stay-in-Place Forms and FRP Grid Reinforcing," *Proceedings of the 81st Annual Transportation Research Board Meeting*, CD-ROM, Washington, D.C., January 2002.

83. Bank, L.C., Gentry, T.R., Thompson, B.P., and Russell, J.S.: "A Model Specification for Composites for Civil Engineering Structures," *Proceedings of the 81st Annual Transportation Research Board Meeting*, CD-ROM, Washington, D.C., January 2002.

84. Russell, J.S.: "Unfinished Work: Learning from the Past for the Future," *Leadership and Management in Engineering*, Vol. 2, No. 4, October 2002, p. 4.

85. Jang, H.S. and Russell, J.S.: "Current Level of Satisfaction with Construction Material Logistics Tasks," *First International Conference on Construction in the 21st Century*, Miami, FL, April 25-26, 2002, pp. 443-450.

86. Kim, Sung-Keun and Russell, J.S.: "An Agent-Based System for Intelligent Field Operations," *Proceedings of the 9th International Conference on Computing in Civil and Building Engineering*, Taipei, Taiwan, April 3-5, 2002, pp.1275-1280.

87. Park, Hyung-Keun and Russell, J.S.: "Cash Flow Forecasting Model using Moving Weights of Cost Categories for General Contractors on Jobsite," *Proceedings of the 1st International Conference on Construction in the 21st Century*, Miami, FL, April 25-26, 2002, pp.49-56.

88. Her, B.M. and Russell, J.S.: "Maintainability Implemented by Third-Party Contractor for Public Owner," *ASCE Journal of Management in Engineering*, Vol. 18, No. 2. April 2002, pp. 95-102.

89. Gentry, T.R., Bank, L.C., Thompson, B.O., and Russell, J.S.: "An Accelerated Test Based Specification for Fiber Reinforced Plastics for Structural Systems," *Proceedings of CDCC 2002, 2nd International Conference on Durability of Fiber Reinforced Polymer (FRP) Composites for Construction*, Montreal, CANADA, May 29-31, pp. 13-24.

90. Helmueller, E.J., Bank, L.C., Dieter, D.A., Dietsche, J.S., Oliva, M.G., and Russell, J,S.: "The Effect of Freeze-Thaw on Bond between FRP Stay-in-Place Deck Forms and Concrete," *Proceedings of CDCC 2002, 2nd International Conference on Durability of Fiber Reinforced Polymer (FRP) Composites for Construction*, Montreal, CANADA, May 29-31, pp. 141-152.

91. Russell, J.S.: "Bail Out Concrete Canoe Race," Engineering News Record, June 2002, p. 71.

92. Russell, J.S. and Stouffer, W.B.: "Why Raise the Education Bar for Civil Engineers," *Proceedings of the 2002 American Society of Engineering Education Annual Conference & Exposition*, Montréal, Quebec, Canada, June 2002.

93. Dietsche,J.S., Dieter,D.A., Bank,L.C., Oliva,M.G., and Russell,J.S.: "Material Characterization of a Glass FRP Composite Structural Element," *Proceedings of the 2002 SEM Conference*, Milwaukee, WI, June 10-12, 2002, CD-ROM.

94. Lee, M.J., Hanna, A.S., and Russell, J.S.: "Benchmarking Productivity for Electrical Projects," *Proceedings of 2002 AACE International Transactions,* Portland, OR: AACE International, 2002.

95. Russell, J.S. and Stouffer, B.: "Leadership: Is It Time for an Educational Change?," *Leadership*

and Management in Engineering, Vol. 3, No. 1, January 2003, pp. 2-3.

96. Russell, J., Walesh, S., Anderson, R., Buehring, M., DeSoto-Duncan, A., Durrant, J., Esslinger, J, Galloway, G., Kellogg, C., LeFevre, E., Lenox, T., Morgan, D., Musselman, C., Price, B., and Smerdon, E.: "We are Listening: A Progress Report on Policy Statement 465 (ltr)," *Civil Engineering,* ASCE, Vol. 73, No. 1, January 2003, pp. 10-11.

97. Russell, J.S. and Stouffer, W.B.: "CEM Faculty: A Leading Opportunity for the Civil Engineering Profession," *Proceedings of Construction Research Congress: Winds of Change: Integration and Innovation In Construction,* ASCE Construction Congress VII, Honolulu, HI, March 19-21, 2003.

98. Russell, J.S.: "Thank You For the Opportunity to Serve as Editor," *Leadership and Management in Engineering,* Vol. 3, No. 2, 2003, p. 65.

99. Choi, J., Russell, J.S., and Miller, R.B.: "Forecasting Performance Evaluation: Does a Complicated Model Outweigh a Simple One?," *Proceedings of Construction Research Congress: Winds of Change: Integration and Innovation In Construction,* ASCE Construction Congress VII, Honolulu, HI, March 19-21, 2003, pp. 95-102.

100. Russell, J.S. and Stouffer, W. B.: "CEM Faculty: A Leading Opportunity for the Civil Engineering Profession,**"** *Proceedings of Construction Research Congress: Winds of Change: Integration and Innovation In Construction*, ASCE Construction Congress VII, Honolulu, HI, March 19-21, 2003, pp. 611-618.

101. Jang, H., Kim, S., and Russell, J.S.: "Manage Space for Construction Facilities on High-Rise Buildings," *Proceedings of Construction Research Congress: Winds of Change: Integration and Innovation In Construction,* ASCE Construction Congress VII, Honolulu, HI, March 19-21, 2003, pp. 925-932.

102. Russell, J.S., et al.: "ASCE's Raise the Bar Initiative: Master Plan for Implementation," *Proceedings of the 2003 American Society for Engineering Education Annual Conference & Exposition*, Nashville, TN, June 25, 2003.

103. Smerdon, E.T., Anderson, R.O., and Russell, J.S.: "ASCE's Raise the Bar Initiative: Accreditation-Related Barriers and Critical Issues," *Proceedings of the 2003 American Society for Engineering Education Annual Conference & Exposition Staying in Tune with Engineering Education,* Nashville, TN, June 22-25, 2003. pp. 5145-5152

104. Stouffer, W.B. and Russell, J.S.: "Too Liberal or Not Liberal Enough: Liberal Arts, Electives, and Professional Skills," *Proceedings of the 2003 American Society for Engineering Education Annual Conference & Exposition Staying in Tune with Engineering Education,* Nashville, TN, June 22-25, 2003. pp. 9649-9662.

105. Bank, L.C., Oliva, M.G., Russell, J.S., Dieter, D.A., Dietsche, J.S., Hill, R.A., Gallagher, B., Carter, J.W., Woods, S., and Anderson, G.H.: "Details and Specifications for a Bridge Deck with FRP Formwork, Grid and Rebar," *Proceedings of FRPRCS-6 (ed. K.W. Tan)*, Singapore, July 8-10 2003, pp. 1301-1310.

106. Russell, J., Walesh, S., Anderson, R., Buehring, M., DeSoto-Duncan, A., Durrant, J., Esslinger, J, Galloway, G., Kellogg, C., LeFevre, E., Lenox, T., Morgan, D., Musselman, C., Price, B., and Smerdon, E.: "A Progress Report on Policy Statement 465 (Letter)," *Civil Engineering,* ASCE, Vol. 73, No. 9, September 2003, pg. 8.

107. Stouffer, W.B. and Russell, J.S.: "Making the Strange Familiar: Creativity and the Future of

Engineering Education," *Proceedings of the 2004 American Society for Engineering Education Annual Conference & Exposition*, Salt Lake City, UT, June 22, 2004.

108. Russell, J.S.: "Choosing to Cheat," *Leadership and Management in Engineering*, Vol. 4, No. 1, 2004.

109. Berg, A.C., Bank, L.C., Oliva, M.G., and Russell, J.S.: "Construction of a FRP Reinforced Bridge Deck on US Highway 151 in Wisconsin, "*Proceedings of the 83rd Annual Transportation Research Board Meeting,* CD-ROM, Washington, DC, January 11-14, 2004.

110. Jacobson, D.A., Bank, L.C., Oliva, M.G., and Russell, J.S.: "Punching Shear in Fiber-Reinforced Polymer (FRP) Bi-layer Grid-Reinforced Concrete Bridge Decks," *Proceedings of the 83rd Annual Transportation Research Board Meeting,* CD-ROM, Washington DC, January 11-14, 2004.

111. Russell, J.S. and, Stouffer, W.B., and Walesh, S.W.: "Changing Civil Engineering Education: A Systems View," *2004 ASCE Specialty Conference on Leadership and Management in Construction*, March 25-26, 2004, Hilton Head, SC.

112. Bank, L.C., Oliva, M.G., Russell, J.S., Jacobson, D., Conachen, M., Nelson, B., and McMoningal, D.: "Super-Sized Double-Layer Pultruded Gratings," *Proceedings of COMPOSITES 2004 Convention and Trade Show, American Composites Manufactures Association*, CD-ROM, October 6-8, 2004, Tampa, FL.

113. Menches, C.L., , Hanna, A.S., and Russell, J.S., "Benchmarking Effective Pre-Construction Planning.," *Proceedings of Building Future Council: The Future of the AEC Industry*, The BFC, Alexandria, VA, March 2005, pp. 1-10.

114. Menches, C.L.,Hanna, A.S.,and Russell, J.S.: "Effect of Pre-Construction Planning on Project Outcomes," *Proceedings of Construction Research Congress 2005,* Broadening Perspectives, San Diego, CA, Vol.183, No.76, April 5-7, 2005, pp. 777-786.

115. Oliva, M.G., Bank, L.C., Russell, J.S., Conachen, M. and Ehmke, F.: "Reinforcing Concrete Bridge Decks with Prefabricated FRP Grids and Stay-in-Place Formwork," *Proceedings of International Workshop on Innovative Bridge Deck Technologies, ISIS,* Ed. N. Banthia & A. Mufti, Winnipeg, CAN, April 14-15, 2005, pp. 113-126.

116. Russell, J.S., Walesh, Stuart G., "ASCE'S body knowledge: Preparing for the future," *Proceedings of 2005 ASEE Annual Conference and Exposition: The Changing Landscape of Engineering and Technology Education in a Global World*, Portland, Oregon, June 12-15, 2005, pp. 737-743.

117. Russell, J.S., Smerdon, E. T., and Lenox, T. A.: "It's time to remove a barrier to engineering education reform: ABET's Prohibition and dual level accreditation," *Proceedings of 2005 ASEE Annual Conference and Exposition: The Changing Landscape of Engineering and Technology Education in a Global World,* Portland, Oregon, June 12-15, 2005, pp. 5193-5202.

118. Bosscher, P. J., Russell, J. S., and Stouffer, W. B.: "The Sustainable Classroom: Teaching sustainability to tomorrow's engineers," *Proceedings of 2005 ASEE Annual Conference and Exposition: The Changing Landscape of Engineering and Technology Education in a Global World,* Portland, Oregon, June 12-15, 2005, pp. 13643-13650.

119. Bank, L., Oliva, M., Russell, J., Conachen, M., Ringelstetter, T. and Jacobson, D.: "Concrete Bridge Decks Reinforced with Prefabricated Super-sized 3-D Pultruded FRP Grids," *2005 Western Bridge Engineer's Seminar,* Portland, Oregon, September 26-28, 2005.

120. Markowski, S., Ehmke, F., Bank, L.C., Oliva, M.G., Russell, J.S., Carter, J.W., and Woods, S.:

"Full-depth, Precast, Prestressed Bridge Deck Panel System for Bridge Deck Construction in Wisconsin," *Proceedings of 2005 PCI-FHWA National Bridge Conference*, CD-ROM, Palm Springs, CA, October 16-19, 2005.

121. Jacobson, D.A., Bank, L.C., Oliva, M.G., and Russell, J.S.: "Punching Shear Capacity of Double Layer FRP Grid Reinforced Slabs," *Proceedings of 7th International Symposium on Fiber Reinforced Polymer for Concrete Structures FRPRCS7, SP-230,* American Concrete Institute, New Orleans, Louisiana, November 7-10, 2005, pp. 857-876.

122. Ehmke, F., Markowski, S., Oliva, M., Carter, J.W., Bank, L., Russell, J., Woods, S., Becker, R.: "Rapid Staged Construction with Full Depth Precast Deck Panels," *Proceedings of 2005 FHWA Accelerated Bridge Construction Conference,* San Diego, CA, December 15-16, 2005.

123. Matti, F., Nanni, A., Galeti, N., Ringelstetter, T.E., Bank, L.C., Oliva, M.G., Russell, J.S., Orr, B.M., Jones, S.N.: "Prefabrication Modular GFRP Reinforcement for Accelerated Construction of Bridge Deck and Rail System," *Proceedings of 2005 FHWA Accelerated Bridge Construction Conference,* San Diego, CA, December 15-16, 2005.

124. Oliva, M., Bank, L., Russell, J., Markowski, G., Ehmke, R., Becker, J.W., and Carter III, : "Rapid Staged Construction with Precast Full Depth Panels," *Proceedings of 2005 FHWA Accelerated Bridge Construction Conference,* San Diego, CA, December 15-16, 2005.

125. Russell, J.S. and Lenox, T.A.: "ASCE's Raise the Bar Effort: Forward Progress." *Proceedings of 2nd Specialty Conference on Leadership and Management in Construction*, Grand Bahama Island, Bahamas, May 4-6, 2006, pp. 2-8.

126. Russell, J.S. and Galloway, G.E.: "ASCE's Raise the Bar Effort: Fulfillment and Validation of the Attainment of the Civil Engineering Body of Knowledge.*" Proceedings of 2nd Specialty Conference on Leadership and Management in Construction*, Grand Bahama Island, Bahamas, May 4-6, 2006, pp. 158-166.

127. Russell, J.S., Lenox, T.A, Walesh S.G., Anderson, R.O., Galloway, G.E., Musselman, C.N., Bergstrom, W.R., Nelson, J.K., and O'Brien, J.J.: "Progress on Raising the Bar – Current Progress and Anticipated Next Steps." *Proceedings of 2006 ASEE Annual Conference & Exposition*, CD-ROM, Chicago, IL, June 18-21, 2006.

128. Martin. J, Farrell, P., Graham, M., Peercy, P., Pfatteicher, S.A., Russell, J., and Wendt, A.: "(Re)Designing the College of Engineering at the University of Wisconsin-Madison for 2010 and Beyond." *Proceedings of 2006 ASEE Annual Conference & Exposition*, CD-ROM, Chicago, IL, June 18-21, 2006.

129. Russell, J.S.: "Evolution of the Engineering Profession… toward a future of meaning and value." *Proceedings of 2006 ASEE Annual Meeting: Learning from Each Other: Findings from CASEE Affiliates,* San Diego, CA, October 27, 2006.

130. Russell, J.S.: "Why the engineering profession must reinvent itself for the modern world." *The magazine for Professional Engineers*, NSPE, December, 2006, pp. 29-33.

131. Russell, J.S., et al.: "The Means for Realizing the Aspirational Visions of Civil Engineering in 2025." *Proceedings of 2007 ASEE Annual Conference & Exposition*, CD-ROM, Honolulu, Hawaii, June 24-27, 2007.

132. Hanus, J.P. and Russell, J.S.: "Integrating Teamwork, Diversity, Leadership, and Communication Skill Development into a Capstone Design Course." *Proceedings of 2007 ASEE Annual*

Conference & Exposition, CD-ROM, Honolulu, HI, June 24-27, 2007.

133. Smerdon, E.T. and Russell, J.S.: "Two Comprehensive U.S. Studies of Engineering Education Reform." *Proceedings of International Conference on Engineering Education – ICEE 2007*, Coimbra, Portugal, September 3-7, 2007.

134. Russell, J. S.: "Engineering Professional Growth and Quality and Cultivating the Next Generation," *Leadership and Management in Engineering*, ASCE, Vol. 8, No. 2, April 2008, pp. 57-60.

135. Hanus, J.P., Hamilton, S. and Russell, J.S.: "The Cognitive and Affective Domain in Assessing Life-Long Learning in a Program's Mission to Inspire and to Achieve the ASCE's Body of Knowledge Outcome." *Proceedings of 2008 ASEE Annual Conference & Exposition: Building Bridges to Create Change in Engineering Education*, Pittsburgh, PA, June 22–25, 2008.

136. Russell, J.S., Galloway, G.E., Lenox, T.A. and O'Brien, J.J.: "ASCE Policy 465 – Progress and Next Steps." *Proceedings of 2008 ASEE Annual Conference & Exposition: Building Bridges to Create Change in Engineering Education*, Pittsburgh, PA, June 22–25, 2008.

137. Wayne, P.P., Russell, J.S., and Nelson, J.S.: "Project Management for Experienced Professionals: Collaborative, Applied Learning for Distributed Teams." *Proceedings of 2008 ASEE Annual Conference & Exposition: Building Bridges to Create Change in Engineering Education*, Pittsburgh, PA, June 22–25, 2008.

138. Nelson, J.S., Hanna, A.S. and Russell, J.S.: "Leadership in the Global Construction Industry: The Challenge of the Brutal Facts." *Proceedings of 2008 Specialty Conference Leadership and Management in Construction*, Stanford Sierra Conference Center, South Lake Tahoe, CA, October 16-19, 2008.

139. Bank, L.C., Malla, M.G., Oliva, M.G., Russell, J.S., Bentur, A., and Shapira, A.: "A Specification for thin FRP/FRC Forms for Bridge Deck Construction." *Fourth International Conference on FRP Composites in Civil Engineering (CICE 2008)*, Zurich, Switzerland, July 22-24, 2008.

140. Chin, C.-S. and Russell, J.S.: "Identifying Significant Factors Affecting Request For Information (RFI) Process Time." *Proceedings of Winter Simulation Conference 2008 (WSC08)*, Miami, FL, December 7-10, 2008

141. Chin, C.-S. and Russell, J.S.. "Improving Performance of Process Flows." *Proceedings of the 16th Annual Conference of the International Group for Lean Construction (IGLC 16)*, Manchester, UK, July 16-18, 2008.

142. Chin, C.-S. and Russell, J.S. (2008). "Predicting the expected service level and the realistic lead time of RFI process using binary logistic regression." *Proceedings of the 24th Annual ARCOM (Association of Researchers in Construction Management) Conference*, Cardiff, UK, September 1-3, 2008.

143. Azarin, S., Ferrier, N., Kennedy, S. M., Klingenberg, D., Masters, K., McMahon, K. D., Russell, J., and Hagness, S. C. "Work in Progress-A First-Year Introduction-to-Engineering Course on Society's Engineering Grand Challenges." *38th ASEE/Frontier in Education Conference F1D-1*, Saratoga Springs, NY, October 22-25, 2008.

144. El-Asmar, M., Hanna, A. S., Chang, C., Russell, J.S.: "Alliance Team Selection for Insfrastructure Projects Using Monte Carlo Simulation," Building a Sustainable Future, Construction Research Congress, Seattle, WA, April 4-7, 2009.

145. Ressler, S., and Russell, J.S.: "The Sociology of Professions: Application to Civil Engineering." *Proceedings of 2009 ASEE Annual Conference & Exposition*, Austin, TX, June 14-17, 2009.

146. Russell, J.S., Galloway, G., Lenox, T., and O'Brien, J.: "ASCE Policy 465 – Progress and Next Steps." *Proceedings of 2009 ASEE Annual Conference & Exposition*, Austin, TX, June 14-17, 2009.

147. Thompson, B.P., Bank, L.C., Bier, V.M., and Russell, J.S.: "Use of System Dynamics for the Integration of Decision-Making for Security and Sustainability in Building Design." The Energy, Environment, and Security Summit, Garmisch, Germany, July 2009.

148. Russell, J.S., Doran, M., Quagliana, C., Hassett, R., and Harrington, G.: "University of Wisconsin-Madison Civil & Environmental Engineering Capstone Design Class – A Class in Constant Redesign and Improvement." *Proceedings of 2010 ASEE Annual Conference & Exposition*, Louisville, Kentucky, June 20-23, 2010

149. Doran, M., Russell, J.S., Quagliana, C., Doll, N, and Harrington, G.: "Strengthening the Body of Knowledge – How Integration of Practicing Engineers as Adjunct Faculty can Provide Better Educational Outcomes." *Proceedings of 2010 ASEE Annual Conference & Exposition*, Louisville, KY, June 20-23, 2010

150. Cramer, S.M., Crone, W., Lafayette, M., Russell, J.S., Klingenberg, D., Peercy, P., Thelen, D., Wendt, A.: "A Case Study on Transforming Undergraduate Engineering Education at the University of Wisconsin-Madison." *Proceedings of 2010 ASEE Annual Conference & Exposition*, Louisville, KY, June 20-23, 2010

151. Leonard, B., Ressler, S.J., Russell, J.S.: "Do We Need to Raise the Bar for Future Professional Engineers?" *Distinguished Lecture Series, Proceedings of 2012 ASEE Annual Conference & Exposition*, San Antonio, TX, June 10-13, 2012

152. Beletic, A.E., Bradford, R.D., Russell, J.S., et al. (2014) Quantitative Measurement of Project Manager Competencies, Research Summary 306-1. *Construction Industry Institute*.

153. Nicometo, C.G., and Russell, J.S. (2015) Filling in the Gaps: An Interdisciplinary Approach for Teaching Professional Competencies to Graduate Engineers. Proceedings of the *2015 ASEE Annual Conference & Exposition*. Seattle, WA.

154. Pfatteicher, S.K.A., Kleinman, D.L., Macgregor, L., and Russell, J.S. (2015) Got ISSuES?: Promoting Reflection About Engineering and Society Among Undergraduates. Proceedings of the *2015 Research in Engineering Education Symposium*. Dublin, Ireland.

155. Pferdehirt, Wayne; Nelson, John; and Russell, Jeffrey S. (2018). "Evolving the Teaching and Practice of Project Management: Lessons Learned on the Path to Living Order," Proceedings of *2005 ASEE Annual Conference and Exposition: The Changing Landscape of Engineering and Technology Education in a Global World*, Salt Lake City, UT, June 24-27, 2018.

Unpublished Technical Reports

1. Russell, J.S., Hancher, D.E., and Skibniewski, M.J.: "Knowledge Representation and Definition of Contractor Qualification Factors," Technical Report to the U.S. Army Corps of Engineers, Construction Engineering Research Laboratory, December 1987, Champaign, IL, 83 pgs.

2. Skibniewski, M.J., Lutz, J.D., Russell, J.S., Hijazi, A., and Sako, N.: "Research on the Automation

of Concrete Placement and Finishing," Technical Report, Purdue University, School of Civil Engineering, February 1988, West Lafayette, IN, 187 pgs.

3. Russell, J.S., Skibniewski, M.J., and Hancher, D.E.: "Correlation Study Between Contractor Qualification Variables," Technical Report to Purdue University, School of Civil Engineering, February 1989, West Lafayette, IN, 44 pgs.

4. Skibniewski, M.J., Russell, J.S., Vanegas, J.A., Posey, J. W., and Rembold, B. A.: "Construction Robotic Equipment Management System (CREMS)," Progress Report I to Ohbayashi Corp., June 1989, Tokyo, Japan, 144 pgs.

5. Skibniewski, M.J., Russell, J.S., and Cartwright, T.: "Construction Robotic Equipment Management System (CREMS)," Progress Report II to Ohbayashi Corp., March 1990, Tokyo, Japan, 81 pgs.

6. Russell, J.S. and Radtke, M.W.: "Enhancing the Communication Process Between Disadvantaged Business Enterprise Firms and Prime Contractors," Technical Report No. 101 to the Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, July 1990, Madison, WI, 146 pgs.

7. Russell, J.S., Benson, C.H., and Jeljeli, M.N.: "Use of Monte Carlo Techniques To Enhance QUALIFIER-1 Contractor Prequalification Model," Technical Report No. 102, Department of Civil and Environmental Engineering, July 1990, Madison, WI, 200 pgs.

8. Russell J.S. and Hollar, B.J.: "An Analysis Of The Traffic Control Planning Process," Technical Report No. 103 to Wisconsin Road Builders, Department of Civil and Environmental Engineering, August 1990, Madison, WI, 41 pgs.

9. Russell J.S.: "Compilation of Surety Industry Perceptions on Availability of Reclamation Bonds For Small to Medium Size Mining Operators," Technical Report No. 104 to Purdue University, Department of Civil and Environmental Engineering, December 1990, Madison, WI, 130 pgs.

10. Skibniewski, M.J. and Russell, J.S.: "Evaluation and Quantification of Risks Confronted By Surety Companies Underwriting Reclamation Bonds," Technical Report to the United States Department of Interior, Office of Surface Mining Reclamation and Enforcement, January 1991, Pittsburgh, PA, 218 pgs.

11. Russell, J.S. and Severson, G.D.: "An Analysis and Evaluation of a Plan Evaluation Form," Technical Report No. 105 to the Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, December 1991, Madison, WI, 150 pgs.

12. Russell J.S. and Koland, B.J.: "Investigation of Premature Cracking on Selected Bridge Decks," Technical Report No. 106 to Wisconsin Road Builders, Department of Civil and Environmental Engineering, December 1991, Madison, WI, 41 pgs.

13. Russell, J.S. and Kunigahalli, R.: "Construction Robotic Equipment Management System (CREMS)," Technical Report No. 107 to the Purdue University, Department of Civil and Environmental Engineering, December 1991, Madison, WI, 400 pgs.

14. Skibniewski, M.J., Russell J.S., and Showalter, E.: "Evaluation and Quantification of Risks Confronted by Surety Companies Underwriting Reclamation Bonds," Summary of Phases III, Purdue University, School of Civil Engineering, December 1991, West Lafayette, IN, 30 pgs.

15. Skibniewski, M.J., Russell, J.S., et al.: "Construction Robotic Equipment Management System (CREMS)," Final Report to Ohbayashi Corp., April 1992, Tokyo, Japan, 300 pgs.

16. Russell, J.S., Radtke, M.W., and Gugel, J.G.: "Project-Level Model and Approaches to Implement Constructability" Technical Report No. 108 to Construction Industry Institute, Department of Civil and Environmental Engineering, September 1992, Madison, WI, 224 pgs.

17. Russell, J.S., Gugel, J.G., and Radtke, M.W.: "Benefits and Costs of Constructability: Four Case Studies," Technical Report No. 109 to Construction Industry Institute, Department of Civil and Environmental Engineering, September 1992, Madison, WI, 125 pgs.

18. Skibniewski, M.J. and Russell, J.S.: "Evaluation and Quantification of Risks Confronted By Surety Companies Underwriting Reclamation Bonds," Final Technical Report to the United States Department of Interior, Office of Surface Mining Reclamation and Enforcement, August 1992, Pittsburgh, PA, 450 pgs.

19. Gugel, J.G., Russell, J.S. and Radtke, M.W.: "Models For Constructability Approach Selection and Input-Source Evaluation," Technical Report No. 110 to Construction Industry Institute, Department of Civil and Environmental Engineering, September 1992, Madison, WI, 342 pgs.

20. Veleke, J.K. and Russell, J.S.: "Investigation of the Impact of Environmental Regulations on the Highway Construction Industry," Technical Report No. 111 to Wisconsin Road Builders, Department of Civil and Environmental Engineering, December 1992, Madison, WI, 70 pgs.

21. Severson, G.D. and Russell, J.S.: "Predicting Construction Contract Surety Bond Claims Using Contractor Failure Data," Technical Report No. 113, Department of Civil and Environmental Engineering, December 1992, Madison, WI, 200 pgs.

22. Russell, J.S., Bosscher, P.J., Zhai, H., and Vadakpat, G.: "Predicting Pavement Surface Friction for Wisconsin State Truck Highway System," Technical Report No. 114, Department of Civil and Environmental Engineering, December 1993, Madison, WI, 150 pgs.

23. Russell, J.S. and Swiggum, K.E.: "Investigation of Constructability Concepts and Tools for Highway Construction," Technical Report No. 115 to Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, May 1994, Madison, WI, 237 pgs.

24. Russell, J.S. and Swiggum, K.E.: "Lessons Learned and Constructability Review Databases," Technical Report No. 116 to Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, May 1994, Madison, WI, 94 pgs.

25. Russell, J.S. and O'Brien, T.O.: "Total Quality Management in Construction: A Study of the Wisconsin Facility Delivery Process-1," Technical Report No. 117, Department of Civil and Environmental Engineering, June 1994, Madison, WI, 94 pgs.

26. Russell, J.S. and O'Brien, T.O.: "Total Quality Management in Construction: A Study of the State of Wisconsin Facility Delivery Process-2," Technical Report No. 118, Department of Civil and Environmental Engineering, June 1994, Madison, WI, 94 pgs.

27. Russell, J.S., Hanna, A.S., and Lawrence, S.P.: "Investigation of Longitudinal Joints in PCC Pavements," Technical Report No. 119 to Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, June 1994, Madison, WI, 200 pgs.

28. Hanna, A.S., Russell, J.S., Noyce, D.A. and Schmitt, R.L.: "Asphaltic Pavement Density Comparisons Using Coring and Nuclear Techniques," Technical Report No. 120 to Wisconsin Department of Transportation, Department of Civil and Environmental Engineering, January 1995, Madison, WI, 200 pgs.

29. Russell, J.S., Jaselskis, E.J., Arneson, J.A., and Lawrence, S.P.: "A Framework to Organize and

Classify Predictive Tools for Construction Project Managers," Technical Report No. 121 to Construction Industry Institute, Department of Civil and Environmental Engineering, August 1995, Madison, WI, 125 pgs.

30. Russell, J.S., Jaselskis, E.J., and Lawrence, S.P.: "Predicting Successful Projects," Technical Report No. 122 to Construction Industry Institute, Department of Civil and Environmental Engineering, August, 1995, Madison, WI, 125 pgs.

31. Bosscher, P.J., Menclova, E., Russell, J.S., and Wahl, R.E.: "Estimating Bearing Capacity of Piles Installed with Vibratory Drivers," Construction Productivity Advancement Research (CPAR) Program Final Report CPAR-GL-98-2, U.S. Army Corps of Engineers Waterways Experiment Station, July 1998, 161 pgs.

32. Russell, J.S., Hanna, A.S., and Nordheim, E.V.: "Testing and Inspection Levels for Hot Mix Asphaltic Concrete Overlays," Preliminary Draft Final Report to National Cooperative Highway Research Program, Department of Civil and Environmental Engineering, November 1998, Madison, WI, 250 pgs.

33. Hanna, A., and Russell, J.: "Quantifying the Cumulative Impact of Change Orders," Joint Publication with CII, Electric 21, The Mechanical Foundation, 31 pgs.

34. Russell, J.S., Hanna, A.S., Nordheim, E.V., and Schmidt, R.L.: "Testing and Inspection Levels for Hot-Mix Asphaltic Concrete Overlays," Transportation Research Record, NCHRP Report 447, 2001, National Cooperative Highway Research Program, 2001,128 pgs.

35. Russell, J.S., and Anderson, S.D.: "Guidelines for Warranty, Multi-Parameter and Best Value Contracting," Transportation Research Record, NCHRP Report 451, 2001 , National Cooperative Highway Research Program, 2001,101 pgs.

36. Russell, J.S., Anderson, S., and Hanna, A.: "Research Program for Construction Engineering," National Cooperative Highway Research Program, 2001.

37. Hanna, A. S., Russell, J. S., and Emerson, E. O. "Stacking of Trades:" The Electrical Contracting Foundation, Bethesda, MD, 2002.

38. Bank, L.C., Russell, J.S., Gentry, T.R., and Thompson, B.P.: "Accelerated Test-Based Material Specifications for Fiber Reinforced Plastics for Highway Structures," Final Report, Contract No. DTFH61-00-C-00021, FHWA, 2002.

39. Hanna, A. S., Bahia, H. U., Russell, J. S: Schoenfelder, S., Loh, S.W.: "Determining a Temperature-Density Relationship After Completed Rolling of HMA," Wisconsin Highway Research Program, Madison, WI, 2002.

40. Hanna, A. S. and Russell, J. S.: "Quantifying the Cumulative Impact of Change Orders for Electrical Contractors," The Electrical Contracting Foundation, Bethesda, MD, 2002.

41. Russell, J.S., Anderson, S.D., Trejo, D., and Hanna, A.S.: "Construction Engineering and Management Research Program," Transportation Research Board, National Research Council, NCHRP Web Document 51 (Project D10-58), November 2002, 351 pgs.

42. Bank, L.C., Oliva, M.G., Russell, J.S., Dieter, D.A., Dietsche, J.S., Berg, A.C., Ehmke, F.G., Carter, J., Henke, R.., Hill, R., and Gallagher, B.: "Bridge B-20-133 on US-151 with Fiber Reinforced Polymer Reinforced Concrete Deck," Final Report No. 1000-02-03, Wisconsin Department of Transportation, 2005, 101 pgs.

43. Bank,L.C., Oliva,M.G., Russell,J.S., Jacobson,D.A., Conachen,M., Ringelstetter,T., Spottiswoode, A., Carter, J., and Henke,R.: "Bridge B-20-148 on US-151with Fiber Reinforced Polymer Reinforced Concrete Deck," Final Report, No. 1009-03-10, Wisconsin Department of Transportation, 2006, 64 pgs.

44. Bank, L.C., Russell, J.S., Hanus, J.P., Varela-Ortiz, W., Velazquez, G.I. and Ray, J.C.: "Conceptual Studies for Rapidly Deployable Battlespace Gap Structures" Report ERDC/GSL TR-06-25, US Army Corps of Engineers, 2006, 203 pgs.

45. Bank,L.C., Malla, A.P., Oliva, M.G., Russell, J.S., Bentur, A., and Shapira, A.: "Specification and Design of Fiber Reinforced Bridge Deck Forms for Use on Wide Flange T-Girders." University of Wisconsin, Madison and Wisconsin Department of Transportation, Wisconsin Highway Research Program, SPR #0092-06-07, 2007, 127 pgs.

Other Publications

1. Russell, J.S. (February 7, 2015) Jeffrey S. Russell: UW–Madison is responding to needs for flexible education. *Wisconsin State Journal*.

2. Russell, J.S.., Cramer, K., and Brower, A. (February 2015) The Wisconsin Idea: Under Siege but Stronger Than Ever. *The EvoLLLution: Illuminating the LifeLong Learning Movement.*

3. Mangelsdorf, S.C., Russell, J.S., Jorn, L.A., and Morrill, J (March 2015) MOOCs for Wisconsin and the World. *EDUCAUSE Review*.

4. Russell, J.S. (May 2015) Intra-Institutional Collaboration to Improve Adult Accessibility. *The EvoLLLution: Illuminating the LifeLong Learning Movement*.

5. Laufer, A., Russell, J. S., & Toomey, R. Agir primeiro, pensar depois: Intuição, ação e reflexão. (Act first, think later: Intuition, action, and reflection.) Mundo Project Management, Vol. 11, No. 65, pp 76-77. Oct/Nov 2015.

RESEARCH COMPLETED AND IN PROGRESS

Summary of research grants and contracts

1.	Project name: Start/end dates: Source of funds: Amount: Review process: Co-investigator: Percent involvement:	Research in Automation of the Contractor- Prequalification Process July 1989 - July 1990 UW Graduate School $15,000 Research Committee (UW Internal) None 100%
2.	Project name: Start/end dates: Source of funds: Amount: Review process: Co-investigator: Percent involvement:	Enhancing the Communication Process between Disadvantaged Business Enterprise Firms and Prime Contractors September 1989 - June 1990 Wisconsin Department of Transportation (DOT) $18,000 Wis DOT-Internal None 100%

3.	Project name:	Unrestricted Research Gift
	Start/end dates:	May 1990 - August 1990
	Source of funds:	Wisconsin Road Builders Association
	Amount:	$6,000
	Review process:	Wisconsin Road Builders Association- Internal
	Co-investigator:	None
	Percent involvement:	100%
4.	Project name:	Implementation of the Robotic Logistics Module
	Start/end dates:	October 1989 - September 1991
	Source of funds:	Obayashi Corporation (Subcontracted from Purdue University)
	Amount:	$44,000
	Review process:	Obayashi Corporation, Purdue University- Internal
	Co-investigator:	None
	Percent involvement:	100%
5.	Project name:	Research in an Automated Decision Support for Infrastructure Management
	Start/end dates:	July 1990 - July 1991
	Source of funds:	U.W. Graduate School
	Amount:	$2l,611 (P.I. salary portion of $9,222 turned back to Grad- School)
	Review process:	Research Committee (U.W. Internal)
	Co-investigator:	None
	Percent involvement:	100%
6.	Project name:	Evaluation and Quantification of Risks Confronted by Surety Companies Underwriting Reclamation Bonds
	Start/end dates:	November 1989 - September 1992
	Source of funds:	U.S. Department of Interior, Office of Surface Mining Reclamation and Enforcement (Subcontracted from Purdue University)
	Amount:	$119,000
	Review process:	National Peer and Expert Panel Review
	Co-investigator:	None
	Percent involvement:	100%
7.	Project name:	Presidential Young Investigator Award
	Start/end dates:	July 1990 - July 1995
	Source of funds:	National Science Foundation
	Amount:	$312,500
	Review process:	National Peer and Expert Panel Review
	Co-investigator:	None
	Percent involvement:	100%
8.	Project name:	Unrestricted Research Gift
	Start/end dates:	June - August, 1990
	Source of funds:	Payne and Dolan, Inc.
	Amount:	$30,000
	Review process:	Internal
	Co-investigator:	Prof. Steven M. Cramer
	Percent involvement:	50% S. M. Cramer; 50% J. S. Russell
9.	Project name:	An Analysis and Evaluation of a Plan Quality Evaluation Form
	Start/end dates:	September - June 1991
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$25,000
	Review process:	Internal
	Co - investigator:	None
10.	Project name:	An Analysis of Constructability Programs
	Start/end dates:	November, 1991 - December, 1992
	Source of funds:	Construction Industry Institute

	Amount:	$114,500
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
11.	Project name:	Unrestricted Research Gift
	Start/end dates:	June - August 1990
	Source of funds:	Wisconsin Concrete Pavement Association
	Amount:	$10,000
	Review process:	Internal
	Co-investigator:	Prof. Steven M. Cramer
	Percent involvement:	50% S. M. Cramer; 50% J. S. Russell
12.	Project name:	Unrestricted Research Gift
	Start/end dates:	May 1991 - August 1991
	Source of funds:	Wisconsin Road Builders Association
	Amount:	$7,000
	Review process:	Wisconsin Road Builders Association-Internal
	Co-investigator:	None
	Percent involvement:	100%
13.	Project name:	Unrestricted Research Gift
	Start/end dates:	August 1991 - December 1991
	Source of funds:	Wisconsin Road Builders Association
	Amount:	$7,500
	Review process:	Wisconsin Road Builders Association-Internal
	Co-investigator:	None
	Percent involvement:	100%
14.	Project name:	Data Flow Identification to Support Project Automation/Integration and Productivity Improvement
	Start/end dates:	July 1992 - July 1993
	Source of funds:	UW Graduate School
	Amount:	$13,500
	Review process:	Research Committee (U.W. Internal)
	Co-investigator:	None
	Percent involvement:	100%
15.	Project name:	Constructability of Highway Plans: Phase I
	Start/end dates:	May 1992 - November 1992
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$10,500
	Review process:	Wisconsin Department of Transportation Internal
	Co-investigator:	None
	Percent involvement:	100%
16.	Project name:	Unrestricted Research Gift
	Start/end dates:	May 1992 - August 1992
	Source of funds:	Wisconsin Road Builders Association
	Amount:	$8,000
	Review process:	Wisconsin Road Builders Association-Internal
	Co-investigator:	None
	Percent involvement:	100%
17.	Project name:	Unrestricted Research Gift
	Start/end dates:	June - August 1992
	Source of funds:	James Cape & Sons
	Amount:	$10,000
	Review process:	Internal
	Co-investigator:	Prof. Steven M. Cramer

	Percent involvement:	50% S. M. Cramer; 50% J. S. Russell
18.	Project name:	Analytical Study of Surface Friction of Wisconsin State Trunk Highway System Pavements
	Start/end dates:	November 1992 - November 1993
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$59,000
	Review process:	Wisconsin Department of Transportation-Internal
	Co-investigator:	Prof. Peter J. Bosscher
	Percent involvement:	75% J.S. Russell; 25% P.J. Bosscher
19.	Project name:	Constructability of Highway Plans
	Start/end dates:	April 1993 - June 1994
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$88,000
	Review process:	Wisconsin Department of Transportation –Internal
	Co-investigator:	None
	Percent involvement:	100%
20.	Project name:	Investigation of the Performance of Parting Strips in the Formation of Longitudinal Joints in PCC Pavements
	Start/end dates:	May 1993 - May 1994
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$132,000.
	Review process:	Wisconsin Department of Transportation-Internal
	Co-investigator:	Prof. Awad S. Hanna
	Percent involvement:	50% A. S. Hanna; 50% J. S. Russell;
21.	Project name:	Investigation into Vibratory Pile Driving Techniques
	Start/end dates:	July 1993 - July 1994
	Source of funds:	UW Graduate School
	Amount:	$7,170
	Review process:	Research Committee (U.W. Internal)
	Co-investigator:	None
	Percent involvement:	100%
22.	Project name:	Research Experiences for Undergraduates: Construction Engineering and Management
	Start/end dates:	July 1992 - June 1993
	Source of funds:	National Science Foundation
	Amount:	$5,000
	Review process:	Internal Review
	Co-investigator:	None
	Percent involvement:	100%
23.	Project name:	Research Experiences for Undergraduates: Construction Engineering and Management
	Start/end dates:	July 1993 - June 1994
	Amount:	$10,000
	Review process:	Internal Review
	Co-investigator:	None
	Percent involvement:	100%
24.	Project name:	Research Gift Hot Mix Asphalt
	Start/end dates:	December 1993 - 2003
	Source of funds:	Payne and Dolan, Inc.
	Amount:	$530,000
	Review process:	Internal
	Co-investigator:	Prof. H.U. Bahia
	Percent involvement:	50% H.U. Bahia; 50% J.S. Russell
25.	Project name:	Predicting Bearing Capacity of Piles Installed with Vibratory Drivers AM
	Start/end dates:	January 1993 - March 1997

	Source of funds:	Construction Productivity Advancement Program- U. S. Army Corp of Engineers
	Amount:	$500,000 ($155,000 directly received by UW)
	Review process:	Expert Panel
	Co-investigator:	Prof. Peter J. Bosscher
	Percent involvement:	90% P. J. Bosscher; 10% J.S. Russell
26.	Project name:	Predictive Tools for Capital Projects
	Start/end dates:	December 1993 - April 1995
	Source of funds:	Construction Industry Institute
	Amount:	$130,620 (responsible for coordination for an additional contract of $25,000 to Professor Edward J. Jaselskis, Iowa State University, thus a total of $155,620).
	Review process:	External Review Panel
	Co-investigator:	None
	Percent involvement:	100%
27.	Project name:	Construction Automation
	Start/end dates:	July 1994 - July 1995
	Source of funds:	UW Graduate School
	Amount:	$7,170
	Review process:	Research Committee (U.W. Internal)
	Co-investigator:	None
	Percent involvement:	100%
28.	Project name:	Asphaltic Pavement Density Comparisons Using Coring and Nuclear Techniques
	Start/end dates:	June 1994 - January 1995
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$44,100
	Review process:	WisDOT and Contractor Industry Group
	Co-investigator:	Prof. A. S. Hanna
	Percent involvement:	50% A. S. Hanna; 50% J. S. Russell
29.	Project name:	Field Validation of SHRP Binder Specification in Wisconsin
	Start/end dates:	November 1994 - Jan 1999
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$87,000
	Review process:	WisDOT and Contractor Industry Group
	Co-investigator:	Profs. H. U. Bahia and P. J. Bosscher
	Percent involvement:	50% H. U. Bahia; 40% P.J. Bosscher; and 10 % J.S. Russell
30.	Project name:	Construction Automation
	Start/end dates:	July 1995 - July 1996
	Source of funds:	UW Graduate School
	Amount:	$7,170
	Review process:	Research Committee (U.W. Internal)
	Co-investigator:	None
	Percent involvement:	100%
31.	Project name:	Asphaltic Pavement Density Comparisons Using Coring and Nuclear Techniques -- Phase II
	Start/end dates:	June 1995 - January 1996
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$66,000
	Review process:	WisDOT and Contractor Industry Group
	Co-investigator:	Prof. A. S. Hanna
	Percent involvement:	50% A. S. Hanna; 50% J.S. Russell
32.	Project name:	Unrestricted Research Gift
	Start/end dates:	May 1995 - August 1995
	Source of funds:	Wisconsin Road Builders Association
	Amount:	$10,000

	Review process:	Wisconsin Road Builders Association-Internal
	Co-investigator:	None
	Percent involvement:	100%
33.	Project name:	Unrestricted Research Gift
	Start/end dates:	May 1995 - August 1995
	Source of funds:	John W. Rogers Foundation
	Amount:	$37,500
	Review process:	None
	Co-investigator:	None
	Percent involvement:	100%
34.	Project name:	Quantification of Impact of Project Change Orders
	Start/end dates:	August 1996 - August 1997
	Source of funds:	National Electric Contractors Association and Mechanical Contractors Association of America
	Amount:	$55,000
	Review process:	Peer-reviewed
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	75% A.S. Hanna; 25% J.S. Russell
35.	Project name:	Stacking of Trades on Labor Efficiency.
	Start/end dates:	January 1997 - January 1997
	Source of funds:	National Electric Contractors Association
	Amount:	$51,424
	Review process:	Peer-reviewed
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	75% A.S. Hanna; 25% J.S. Russell
36.	Project name:	Development of Constructability Lesson-Learned File
	Start/end dates:	June 1996 - June 1997
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$60,000
	Review process:	Internal
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	50% J.S. Russell; 50% A.S. Hanna
37.	Project name:	Unrestricted Research Gift
	Start/end dates:	September 1995 - September 1997
	Source of funds:	Kohler
	Amount:	$60,000
	Review process:	None
	Co-investigator:	None
	Percent involvement:	100%
38.	Project name:	Testing and Inspection Levels for Hot-Mix Asphaltic Concrete (NCHRP 10-39A)
	Start/end dates:	February 1996 - February 1998
	Source of funds:	National Cooperative Highway Research Program Transportation Research Board, National Research Council
	Amount:	$260,000
	Review process:	Peer-reviewed
	Co-investigator:	Profs. A.S. Hanna and E.V. Nordheim
	Percent involvement:	50% J.S. Russell; 25% A.S. Hanna; and 25% E.V. Nordheim
39.	Project name:	Graduate Research Traineeship
	Start/end dates:	September 1996 - September 2002
	Source of funds:	National Science Foundation
	Amount:	$562,500
	Review process:	Peer-reviewed
	Co-investigator:	Profs. R. Veeramani and T.M. Adams

	Percent involvement:	33% J.S. Russell; 33% T.M. Adams; and 33% R. Veeramani
40.	Project name:	Improved Contracting Methods for Highway Construction Projects Amplified Work Plan (NCHRP 10-49)
	Start/end dates:	January 1997 - January 1999
	Source of funds:	National Cooperative Highway Research Program Transportation Research Board, National Research Council
	Amount:	Total project $312,500; Subcontract for Texas A&M Univ. $115,000
	Review process:	Peer-reviewed
	Co-investigator:	Profs. A.S. Hanna and D. Walker
	Percent involvement:	50% J.S. Russell; 50% A.S. Hanna
41.	Project name:	Design and Construction for Maintainability Task Force
	Start/end dates:	July 1997 - August 1999
	Source of funds:	Construction Industry Institute
	Amount:	$159,000
	Review process:	External Review Panel
	Co-investigator:	None
	Percent involvement:	100%
42.	Project name:	The Use of Gyratory Compaction Results to Predict Optimum Field Compaction
	Start/end dates:	September 10, 1997 - September 10, 1998
	Source of funds:	FHWA
	Amount:	$100,000
	Review process:	Internal
	Co-investigator:	Profs. H.U. Bahia and P.J. Bosscher
	Percent involvement:	70% H.U. Bahia; 25% P.J. Bosscher; and 5% J.S. Russell
43.	Project name:	Design for Maintainability Team
	Start/end dates:	January 1997 - November 1999
	Source of funds:	Construction Industry Institute
	Amount:	$125,000
	Review process:	CII internal review of contracted Work
	Co-investigator:	None
	Percent involvement:	100%
44.	Project name:	Quantifying Impact of Change Orders: A Micro Study - Phase II
	Start/end dates:	January 1998 - June 1999
	Source of funds:	The Electrical Contracting Foundation, Inc.
	Amount:	$70,000
	Review process:	Peer-reviewed
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	75% A.S. Hanna; 25% J.S. Russell
45.	Project name:	Quantifying Impact of Change Orders: A Micro Study Phase II
	Start/end dates:	January 1, 1998 - January 2, 1999
	Source of funds:	Mechanical Contractors Association of America
	Amount:	$70,000
	Review process:	Internal
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	75% A.S. Hanna; 25% J.S. Russell
46.	Project name:	Cumulative Change Order Impact
	Start/end dates:	January 1998 - January 2001
	Source of funds:	Construction Industry Institute
	Amount:	140,000
	Review process:	CII internal review of contracted Work
	Co-investigator:	Awad Hanna
	Percent involvement:	25%
47.	Project name:	Development of Constructability Lesson-Learned File

	Start/end dates:	September 1998 - August 1999
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$45,000
	Review process:	Internal
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	50% J.S. Russell; 50% A.S. Hanna
48.	Project name:	University Transportation Center
	Start/end dates:	June 1999 - September 2005
	Source of funds:	U.S. Department of Transportation
	Amount:	$890,000 with $890,000 local/state match per year
	Review process:	Expert Panel
	Co-investigator:	Adams, Wittwer
	Percent involvement:	10% Russell, J.S.
49.	Project name:	Track Delamination, Debonding and Deterioration of Bridge Decks by Monitoring Moisture Content and Density of Portland Cement Concrete
	Start/end dates:	August 1999 - July 2000
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$10,000
	Review process:	Internal
	Co-investigator:	Prof. A.S. Hanna
	Percent involvement:	50% Russell, J.S., 50%Hanna, A.S.
50.	Project name:	Project Delivery Systems in the Downstream and Chemical Sector
	Start/end dates:	August 1999 - December 2020
	Source of funds:	Construction Industry Institute
	Amount:	$100,000
	Review process:	Expert panel
	Co-investigator:	Awad Hanna, Zhenhua Zhu
	Percent involvement:	10%
51.	Project name:	Specifications for Fiber Reinforced Plastics
	Start/end dates:	February 2000 - May 2002
	Source of funds:	FHWA
	Amount:	$333,333
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	50% Bank, L., 40% Georgia Tech, 10% Russell, J.S
52.	Project name:	NCHRP 10-58 Construction Engineering and Management Research Program
	Start/end dates:	March 2000 - October 31, 2001
	Source of funds:	National Academy of Science (NCHRP)
	Amount:	$200,000
	Review process:	External Review Process
	Co-investigator:	Prof. S. Anderson, Texas A&M University
	Percent involvement:	50% Russell, J.S., 50% Anderson, S.
53.	Project name:	Demonstration Bridge Project
	Start/end dates:	October 2000 - January 2003
	Source of funds:	IBRC
	Amount:	$500,000
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	50% Bank, L., 40% Oliva, M., 10% Russell, J.S.
54.	Project name:	E-commerce Applications to the Construction Industry
	Start/end dates:	November 2000 - January 2003
	Source of funds:	Construction Industry Institute
	Amount:	$112,000

	Review process:	Research Committee
	Co-investigator:	Veeramani
	Percent involvement:	50% Veeramani; 50% Russell, J.S.
55.	Project name:	Innovative Bridge Research and Construction Program 1–Highway 151/Rte. 26
	Start/end dates:	December 2000 - October 2003
	Source of funds:	FHWA
	Amount:	$287,967
	Review process:	Internal
	Co-investigator:	Bank and Oliva
	Percent involvement:	10% Russell, J.S.
56.	Project name:	Cost Effectiveness of Innovative Crew Scheduling
	Start/end dates:	January 2001 - September 2003
	Source of funds:	Construction Industry Institute
	Amount:	$50,000
	Review process:	CII internal review of contracted Work
	Co-investigator:	Awad Hanna
	Percent involvement:	10%
57.	Project name:	eCommerce Applications in Construction
	Start/end dates:	January 2001 - January 2003
	Source of funds:	Construction Industry Institute
	Amount:	$100,000
	Review process:	CII internal review of contracted Work
	Co-investigator:	Raj Veeramani
	Percent involvement:	50%
58.	Project name:	Demonstration Bridge Project
	Start/end dates:	October 2001 - January 2004
	Source of funds:	IBRC
	Amount:	$500,000
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	50% Bank, L; 40% Oliva, M; 10% Russell, J.S.
59.	Project name:	Innovative Bridge Research and Construction Program 2 – Highway 151/De Nevue Creek
	Start/end dates:	August 2002 - June 2006
	Source of funds:	FHWA
	Amount:	$350,846
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	10% Russell, J.S.
60.	Project name:	Lessons Learned Database 3.0
	Start/end dates:	September 1, 2002 - August 31, 2003
	Source of funds:	Wisconsin Department of Transportation
	Amount:	$30,000
	Review process:	Internal
	Co-investigator:	Hanna
	Percent involvement:	50% Russell, J.S.; 50% Hanna, A.
61.	Project name:	Demonstration Bridge Project
	Start/end dates:	October 2003 - January 2005
	Source of funds:	IBRC
	Amount:	$350,846
	Review process:	Internal
	Co-investigator:	Oliva
	Percent involvement:	50% Bank, L; 40% Oliva, M; 10% Russell, J.S.

62.	Project name:	Permeability of Hot Mix Asphalt Pavements
	Start/end dates:	November 2002 - November 2005
	Amount:	$225,000
	Review process:	Research Committee
	Co-investigator:	Bahia
	Percent involvement:	85% Bahia; 15% Russell, J.S.
63.	Project name:	Innovative Bridge Research and Construction Program 4 – USH 12 over Coffee Creek
	Start/end dates:	August 2004 - June 2008
	Source of funds:	FHWA
	Amount:	$376,000
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	10% Russell, J.S.
64.	Project name:	Conceptual Studies for Rapidly Deployable Battlespace Gap Structures – Phase II
	Start/end dates:	October 2004 - September 2005
	Source of funds:	US Army Corps of Engineers
	Amount:	$66,246
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	10% Russell, J.S.
65.	Project name:	Experimental Testing of the Suspension Net Concept Variation
	Start/end dates:	September 2005 - September 2006
	Source of funds:	US Army Corps of Engineers
	Amount:	$14,600
	Review process:	Internal
	Co-investigator:	Bank
	Percent involvement:	10% Russell, J.S.
66.	Project name:	Specification and Design of Fiber Reinforced Bridge Deck Forms for use on Wide Flange T-Girders
	Start/end dates:	November 2005 - November 2006
	Source of funds:	Wisconsin Highway Research Program
	Amount:	$94,735
	Review process:	Internal
	Co-investigator:	Bank and Oliva
	Percent involvement:	10% Russell, J.S.
67.	Project name:	Rapid Bridge Construction Technology – Precast Elements for Substructures
	Start/end dates:	October 2006 - October 2008
	Source of funds:	Wisconsin Highway Research Program
	Amount:	$124,411
	Review process:	Internal
	Co-investigator:	Oliva and Bank
	Percent involvement:	10% Russell, J.S.
68.	Project name:	Lessons Learned 3
	Start/end dates:	November 2006 - December 2009
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$272,000
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
69.	Project name:	Field Studies
	Start/end dates:	May 2007 - January 2008
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$16,000

	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
70.	Project name:	Field Studies
	Start/end dates:	May 2008 - August 2008
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$14,000
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
71.	Project name:	Field Studies
	Start/end dates:	June 2008 - September 2008
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$10,520
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
72.	Project name:	Field Studies
	Start/end dates:	June 2008 - May 2009
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$27,000
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
73.	Project name:	COE 2010 Project to create a Certificate in Integrated Studies in Science, Engineering, and Society
	Start/end dates:	July 2008 - December 2009
	Source of funds:	College of Engineering
	Amount:	$21,000
	Review process:	Internal
	Co-investigator:	Sarah Pfatteicher and Daniel Kleinman
	Percent involvement:	30%
74.	Project name:	Field Studies
	Start/end dates:	June 2009 - May 2010
	Source of funds:	Wisconsin Dept. of Transportation
	Amount:	$37,100
	Review process:	Internal
	Co-investigator:	None
	Percent involvement:	100%
75.	Project name:	Development of On-Line Classes in Leadership and Sustainability
	Start/end dates:	July 2009 - December 2010
	Source of funds:	College of Engineering
	Amount:	$40,000
	Review process:	Internal
	Co-investigator:	Alicia Jackson and Pat Eagan
	Percent involvement:	30%
76.	Project name:	Quantitative Measurement of Project Manager Competencies
	Start/end dates:	November 2012 - November 2014
	Source of funds:	Construction Industry Institute
	Amount:	$241,456
	Review process:	Highly competitive (national)
	Co-investigator:	Awad Hanna
	Percent involvement:	25%

77.	Project name:	Best Practices for Preventing Out-of-Sequence Construction Activities and Minimizing their Impacts
	Start/end dates:	November 2015 - November 2017
	Source of funds:	Construction Industry Institute
	Amount:	$252,915.55
	Review process:	Highly competitive (national)
	Co-investigator:	Awad Hanna
	Percent involvement:	25%
78.	Project name:	Construction Readiness Assessment for Productivity
	Start/end dates:	March 2017 - September 2019
	Source of funds:	Construction Industry Institute
	Amount:	$99,710
	Review process:	CII internal review of contracted work
	Co-investigator:	Awad Hanna, Dharmaraj Veeramani
	Percent involvement:	15%
79.	Project name:	Project Delivery Contract Strategy Update
	Start/end dates:	January 2020 - January 2021
	Source of funds:	Construction Industry Institute
	Amount:	$110,000
	Review process:	CII internal review of contracted work
	Co-investigator:	Awad Hanna, Zhenhua Zhu
	Percent involvement:	5%
80.	Project name:	Organizational Structures and Processes to Enable Cultivating Change
	Start/end dates:	September 2020 - November 2022
	Source of funds:	Construction Industry Institute
	Amount:	$200,000
	Review process:	Expert panel
	Co-investigator:	Hala Nassereddine and Joe Labianca from University of Kentucky
	Percent involvement:	10%

PROFESSIONAL SERVICE

Professional Memberships

- American Society of Civil Engineers (ASCE)
- American Society for Engineering Education (ASEE)
- Association of Asphalt Paving Technologists, Associate Member
- Professional Engineer, State of Wisconsin No. 30547, 1994
- National Society of Professional Engineers (NSPE), Fellow

University of Wisconsin–Madison Service

- Review committee for Byron Bird Award for Excellence in a Research Publication
- Campus Conflict of Interest Committee, 1997 - 2000
- Member, Giving from Within Committee, 2007 - present
- Campus Physical Sciences Tenure Committee, 2008 - 2010
- The Higher Learning Commission Reaccreditation Theme "Integrating The Processes of Discovery and Learning" 2008 - 2009
- Campus General Education Committee 2008 - 2011

- Co-chair, Educational Innovation, 2011 - present
- Search and Screen Committee: Dean of the School of Business (2011); Dean of the School of Human Ecology (2012); Dean of the Graduate School (2015)
- Member, Baldwin Wisconsin Idea Endowment Committee, 2012 - 2015
- Chair, Summer Term Committee, 2015

College of Engineering (CoE) Service

- Master of Ceremonies, Engineers Day, October 9, 1998
- Chair, Industrial Engineering 10-Year Review
- Engineering Beyond Boundaries Committee, 2004 - 2011
- Differential Tuition Committee, 2009 - 2011

Department of Civil and Environmental Engineering (CEE) Service

Construction Engineering Management (CEM)

- Construction Engineering and Management Committee: member, 1989 - present; co-chair 1990 - 1994; chair, 1995 - present
- Assisted in development and implementation of Construction Engineering and Management Option within Civil and Environmental Engineering including the development of marketing material (brochure and poster), developing curriculum, establishing summer jobs program, liaison with industry and CEM industry advisory board
- Construction Engineering and Management Graduate Admissions co-chair, 1989 - present
- Advised Undergraduate Students Construction Engineering and Management Program; 1989 - present, approximately 25 students per year

Development

- Development for CEE Department - formulated plans to raise support for program endowments
- Assisted in organizing and development related to the Charles G. Salmon, Paul R. Wolf, C.K. Wang, Arthur F. Hawnn, and Peterson-Rader-Hawnn Professorships
- Assisted in establishing 3 fellowships in Construction Engineering and Management Program (John Rogers, Mortenson, and John Nelson)
- Assisted in soliciting Roy F. Weston Center gift

Research

- Facilitated the signing of a Cooperative Research Agreement between UW System, Marquette University, the Wisconsin Department of Transportation, and Wisconsin Road Builders Association
- Assisted in creating Wisconsin Highway Research Program (1997 - present) and the US DOT Midwest Regional Transportation Center

Constructed Facilities

- Constructed Facilities Group, chair 1996 - 1997

Operations Committee

- Member representing structures, materials, and construction, 1998 - 2000

Search and Screen Committees

- Assisted in search and screen committees for eight searches in CEE Department

Student Organizations

- Co-advised ASCE Student Chapter in organizing 1992 Midwest Steel Contest held in Madison, WI
- Accompanied ASCE Student Chapter to Regional Concrete Canoe and Steel Bridge Contest held in 1993, 1995, 1997, and 1998
- Faculty Co-Advisor, Hosted National Concrete Canoe Competition, June 12-14, 1996, Madison, WI, included 26 schools from U.S. and over 500 student participants
- Accompanied ASCE Student Chapter to National Concrete Canoe Races held in Cleveland, OH (1997) and Rapid City, SD (1998)
- Co-Advisor Chi Epsilon, 1997 - present
- Co-Advisor, Hosting of Chi Epsilon National Conclave, March 2000, Madison, WI
- Construction Club - assisted students in organizing Club banquet, 1998 - 2005
- Faculty Co-Advisor, Hosted ASCE National Student Conference, June 2002, Madison, WI, included over 50 schools from U.S. and over 1,200 participants

Engineering Centers Building

- Worked with architect/engineers to design educational use of the building as a learning tool (three semester, one-credit course)

Other Professional Service, Extension, or Outreach

American Society of Civil Engineers (ASCE)

- Construction Division - Microcomputers in Construction: secretary, 1989 – 1992; member of Construction Research Council, 1988 - present
- Engineering Management Division, Engineering Management, Publication Committee: corresponding member (responsible for selection of Outstanding Paper 1990 and 1991); full member, 1991 - present (additional responsibilities: ASCE News Correspondent 1991 - 1993; vice-chairman, May 1992 - August 1993; chairman, August 1993 - 1994, editor-in-chief of the *Journal of Management in Engineering* 1995 - 2000)
- Member of planning committee for ASCE Management Specialty Conference February 25-26, 1993, Denver, CO. Responsible for organizing and coordinating publication of conference proceedings
- Member, Education Implementation Task Committee, 1996 - 1998
- Chairman, Construction Congress V, ASCE, Construction Division, 43 Sessions, 140 papers, 55 co-sponsors, October 5-8, 1997, Minneapolis, MN
- District 8 Representative, National Board of Direction, 1997 - 2001
- Committee on Planning and Implementation, September 1998 - 1999
- Committee on Professional Practice, September 1998 - 1999
- Committee on National Infrastructure Policy, September 1998 - 1999
- TRB Committee on Flexible Pavement Construction and Rehabilitation, Group 2, Section F, A2F02, 1999 - 2001
- Publications Committee, member and chair, 2000 and 2001
- Founding editor-in-chief of new publication, *Leadership and Management in Engineering*, 2000 - 2003
- Committee on Diversity & Women in Civil Engineering 2000 - 2002

- State Government Relations Committee, 2000 - 2002
- Member, Construction Institute Board, 2000 - 2002
- Advisory Council Member on US Infrastructure Report Card, 2000
- Chair, Task Committee on Academic Prerequisites for Professional Practice, 2001 - 2003
- Co-Organized "Mega Projects West Coast" Seminar August 2003, Berkeley CA. Over 200 participants
- Chair, Committee on Academic Prerequisites for Professional Practice, 2003 - 2014
- Peurifoy Research Award Selection Committee, 2009 - present
- Walter Huber Civil Engineering Research Prize Selection Committee, 2010 - present
- Vice Chair, Raise The Bar Committee, 2014 - 2016
- Chair, Task Committee on Educational Requirements for Licensure, October 2014 - present
- Reviewer, 2016 American Society of Engineering Education Annual Conference & Exposition, Civil Engineering Division

Other

- Academic Member, Constructability Implementation Task Force, Construction Industry Institute, Austin, TX, April 1990 - December 1992
- Member, Transportation Research Board Committee on Disadvantaged Business Enterprises, 1990 - 1998
- Member, American Road and Transportation Builders Association Education Committee, 1990 - 2005
- College for Kids Program. In 1992, gave two-hour lecture to two groups of 20 students on "What is Civil Engineering?" Organized four-day sessions for College for Kids Program, 1996-1998
- Academic Member, Predictive Tools Task Force, Construction Industry Institute, Austin, TX, May 1993 - December 1995
- Academic Member, Design and Construction for Maintainability Task Force, Construction Industry Institute, Austin, TX, February 1997
- Academic Member, Predictive Tools Educational Module, Construction Industry Institute, Austin, TX, June 1997 - 1999
- Member, Wisconsin Society of Professional Engineers, Board of Engineering Professional Responsibility, Fall 1997 - 2020
- Member, W065 Organization and Management of Construction Commission, CIB, International Council for Building Research Studies and Documentation, September 1998 - 2008
- Member, Transportation Development Association Committee, 2000 - 2008
- Member, University of Mount Union, College of Engineering Advisory Board, 2000 - present, & chair, 2019 - 2022
- Member, Charles Pankow Foundation, 2007 - 2013
- Member, Civil Engineering Advisory Board, United States Military Academy at West Point, 2012 - 2016
- National Academy of Construction: member, 2011 - present; Membership Committee vice-chair, 2019 - 2020; Construction Executive Committee, 2020 - 2022
- Member, UW Credit Union Board of Directors, 2012 - present, & Executive Committee vice-chair, 2019 - present
- Review Panelist, National Science Foundation, 2013 - present (2x/year)

- Member, University of Wisconsin Extension Reimagined Committee, 2015
- Member, Wisconsin Center for Education Products & Services Board of Directors, November 2013 - present
- Survey of current Construction Engineering and Management programs, Global Leadership Forum of Construction Engineering and Management
- UW–Madison Partners in Giving Combined Campaign co-chair, 2018 - present
- Member, Operation Fresh Start Board of Directors, January 2021 - present

Continuing Education

- Continuing Education, Construction Management Program, Texas A&M University, College Station, TX, September and May (May 1989 to 1995). Presentation of six-hour session on Contractor Prequalification. Average rating over 16 categories 4.25/5.0 (5.0 = excellent).
- Continuing Education, Effective Methods For Improving Construction Engineering, University of Wisconsin–Madison Professional Development, Madison, WI, May 1991. Presentation of a six-hour session on topics ranging from contractor prequalification, surety bonding, and construction automation and technology. Average rating for categories of content, visuals, delivery, and handouts 4.34/5.0 (5.0 = excellent).
- Continuing Education, Construction Management Program, University of Texas-Austin, Austin, TX, February 13, 1992. Co-taught eight-hour session on Constructability Analysis. Average rating 3.5/4.0 (4.0 = excellent).
- Continuing Education, 1st Construction Engineering and Management Conference, December 1, 2, and 3, 1993, University of Wisconsin–Madison, Madison, WI. Taught two hours related to Contractor Failure and Constructability Analysis. Average rating 3.5/4.0 (4.0 = excellent).
- Moderator, National Video Conference on "Improving Project Success with ISO 9000," December 3, 1997, Madison, WI, four hours. Average rating 4.1/5.0 (5.0 = excellent).
- Continuing Education, Construction Engineering and Management Conference, "New Contracting Practices - Warranties and Performance Related Specifications," December 8-10, 1997, Madison, WI. (Average ranking 4.3/5.0 (5.0 = excellent).
- Continuing Education, Construction Engineering and Management Conference, "Contractor Prequalification: A Better Way to Build," February 25 and 26, 1998, Madison, WI. Taught 12 hours on Contractor Prequalification. Average rating 4.3/5.0.
- Continuing Education, Contractor/Subcontractor Prequalification, July 16-17, 1998, Arizona State University, Tempe, AZ. Taught 12 hours on Contractor Prequalification. Average rating 3.8/4.0 (4.0 = excellent.)
- Continuing Education, Pavement Rehabilitation Techniques, November 1997 and 1998, Madison, WI. Taught 1.5 hours on Trends in Contracting Methods.

Consulting

- Consulting services provided on research projects in the areas of "Constructability for Transportation Facilities" and "Warranties." Texas Transportation Institute, Texas A&M University, College Station, TX
- Consulting services provided to Federal Aviation Administration (FAA), Seattle, WA and Anchorage, AK
- Consulting services to Miller Park Stadium, Milwaukee, WI

Educational Consulting

- American University of Beirut (Lebanon)
- Illinois Institute of Technology
- King Saud University (Saudi Arabia)
- Marquette University
- Sultan Qaboos University (Oman)
- University of Colorado, Boulder
- University of Mount Union
- University of Texas at Austin
- Virginia Polytechnic Institute and State University (Virginia Tech)

Presentations in Construction Profession

- "Engineering Ethics Training" for Wisconsin Transportation Builders Association, January 2014
- "Engineering Practice and Ethics" for American Council of Engineering Companies, March 2014
- "Ethics" for Associated General Contractors of Wisconsin, July 2014
- "Lifelong Learning at UW-Madison" at private dinner for UW e-Business Consortium, October 2014
- "Ethics" for Associated General Contractors of Wisconsin, November 2014
- "Ethics" for the Institute of Transportation Engineers, April 2015
- "Ethics," Associated General Contractors of WI, November 2019
- "Ethics," Wisconsin Department of Transportation 34th Annual DBE Workshop & Secretary's Golden Shovel Awards, February 2020
- "Technical Project Management in Living and Geometric Order: A Practical Perspective" for the ASCE SW Branch, March 2020
- "Project Leadership," ASCE, March 2020
- "Ethics Part 2," Wisconsin Department of Transportation 35th Annual DBE Workshop & Secretary's Golden Shovel Awards, February 2021

Reviewer or Referee – Journals

- National Science Foundation
- National Academy of Science (National Cooperative Highway Research Program)
- ASCE Journal of Construction Engineering and Management
- ASCE Journal of Management in Engineering
- ASCE Journal of Transportation Engineering
- ASCE Journal of Computers in Civil Engineering
- ASCE Journal of Performance of Constructed Facilities
- Journal of Construction Management and Economics
- Construction Business Review Editorial Board

Reviewer – Books

- John Wiley & Sons
- ASCE Press
- CRC Press

- Prentice Hall