

# CURRICULUM VITAE

**R. RAYMOND ISSA, PH.D., J.D., P.E., F.ASCE, API**

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## PERSONAL DATA

Place of Birth : Curacao, Netherlands Antillies  
Marital Status : Married, two children.  
Citizenship : U.S.  
P.E. Registration : Mississippi.  
Foreign Languages : Arabic, Spanish, French, German, Dutch, Chinese

## EDUCATION:

**University of Memphis**, Memphis, TN 38152  
J.D., Cecil C. Humphreys School of Law, May 1985.  
33 Graduate Credit Hours in Computer Science.

**Mississippi State University**, Mississippi State, MS 39762  
**B.S.**, Civil Engineering (Distinction), S. D. Lee Honors Scholar, May 1976.  
**M.S.** Civil Engineering (Structural Mechanics and Foundations), August 1978.  
**Ph.D.**, Civil Engineering (Structural Mechanics); Minor: Mathematics, December 1981.

## PROFESSIONAL HONORS

- UF Teaching Improvement Award (1996)
- CSR Rinker Professor (1999 – 2010)
- University of Florida Research Foundation Professor (2000 – 2003) (2011-2014)
- UF College of DCP Outstanding Academic Advisor Award (2004-2005)
- Fellow American Society of Civil Engineers (ASCE) (2009)
- Holland Professor (2011- )
- UF Research Foundation Professor (2011-1014)
- ASCE Computing in Civil Engineering Award (2012)
- Pan American Academy of Engineering (2012)

## RESEARCH INTERESTS:

Construction Law; Structural Analysis and Design; Database Systems; Process Modeling and Workflow Integration; Intelligent Computing; Construction Ontologies and Semantics; Neural Networks; Virtual Reality; Building Information Modelling (BIM); Data Mining; nD CAD; PDA Applications in Construction; Data Interoperability; Flexible and Dynamic Process Modeling and Workflow Integration; Discrete Field Analysis, Finite Elements Analysis, Dynamic and Elastic Stability, and Experimental Stress Analysis of Structures; Analysis/Design of Guyed Structures; Soils and Foundations Analysis; AI/Expert Systems; Neural Networks; and Damage Assessment, Repair, Maintenance and Rehabilitation of Structures.

**CONSTRUCTION EXPERIENCE:** Owner's Rep. St. Elizabeth Greek Orthodox Church Community Center, Gainesville, FL

Owner's Representative Charles Perry Construction Yard - University of Florida

Owner's Representative Rinker Hall, University of Florida

Construction Consultant to GW Robinson, Inc and Vratsinas Construction Company. Duties have included construction database development for equipment tracking, leasing and yard management. Project troubleshooting. Lotus Notes consultant. Sports Authority, Inc. - Gainesville, Owner's Representative on Construction of 54,000 SQF facility.

M.E. Rinker, Sr. School of Building Construction Hurricane Andrew Damage Assessment Team. Documented and studied the hurricane damage and made presentations to various groups including Jacksonville, FL city council; North Florida Roofing and Sheet Metal Contractors; and UF College of Architecture.

Network Design Consultant, Mississippi Valley State University. Involved in campus-wide computer audio, video, and data communications network and fiber optic (FDDI) backbone design, specifications, and bidding.

TIMCO Treated Wood Products Drip Pad EPA Assessment. Analysis of existing drip pad and recommending EPA compliance changes and suggesting construction methodology.

Participated in presentation of seminar for Mississippi ABC on using Timberline software for estimating and cut & fill.

Nature Development's Corporation: Box Beam Wall Finite Element Analysis. Analysis of Box Beam Wall innovative construction methods and determining its design compliance with South Florida Building Code requirements.

TIMCO Treated Wood Products Drip Pad EPA Assessment. Analysis of existing drip pad and recommending EPA compliance changes and suggesting construction methodology.

WBAQ guyed tower extension. Analysis of current tower and determining construction method to safely extend tower.

EXXON refinery guyed smokestack. Analysis of smokestack for extension purposes and determining appropriate construction approach.

Information Systems Consultant to MVSU Center for Economic Development (UCED). Duties include system design, personnel training, recommending appropriate software and organizational structure to businesses ranging from convenience stores to new product distribution to small construction companies.

**LEGAL CONSULTANT EXPERIENCE:**

Clark, Partington, Hart, Larry, Bond & Stackhouse (The School Board Of Jackson County, Florida vs Sharpe, Inc.) Construction management and drainage issues (2009).

Wolpe, Leibowitz, Alvarez & Fernandez (Acker vs Steele). Construction management and constructibility issues (2009).

Brogdon, Davis & Adams (Salem Bible Church vs The Potts Company and Federal

Insurance Company) Construction management and building envelope issues (2009).

(Villas at Suncrest). Construction management and techniques used on project (2008).

Bryant, Dukes, & Blakeslee (Hoyt Construction v. Conwill). Construction management and retainage issues (2008).

Lilly, O'Toole & Brown (Waverly Growers Corp. v FCCI Insurance), Hurricane damage to citrus packing facility (2008).

Suanders Law Group, (Arnett v. Brown et al.), Construction management of custom home and moisture penetration (2008).

AJT & Associates, Inc., copyright infringement and professional ethics violation in the use of their design by another company (2007).

Structural and Construction Consultant, Posey Systems, Inc. Analysis of storm of the Century damage on headquarters and residence and evaluation of reconstruction options. (1994)

Giles & Robinson, P.A. Accident investigation on CMU wall failure and its effect on unsafe workplace. (1991)

Steen, Reynolds, Dalehite, & Curry. A study of the demolition procedures used in Green Court Apartments project and its effect on adjacent structures (1990).

## **ACADEMIC EXPERIENCE:**

UF Research Foundation and Holland Professor and Director Center for Advanced Construction Information Modeling, M.E. Rinker, Sr. School of Building Construction, University of Florida, July 1, 2010-. Duties includes managing graduate distance education programs; teaching graduate courses in Construction Law, and Building Information Modeling; teaching Doctoral Research Classes and Seminars and managing computer lab and technology infrastructure.

Rinker Professor and Director Graduate and Distance Education Programs, M.E. Rinker, Sr. School of Building Construction, University of Florida, July 1, 1999- June 30, 2010. Duties includes managing graduate (M.S. BCN, M. BCN, Ph.D.) and distance education programs (B.S. and M.S. FES, and M.S. ICM); teaching graduate courses in Construction Law, and Information Systems; teaching Doctoral Research Classes and Seminars and managing computer labs and technology infrastructure and personnel.

Professor and Associate Dean for Research and Graduate Studies and Director Ph.D. Program, College of Architecture, Professor, M.E. Rinker, Sr. School of Building Construction, University of Florida, Gainesville, FL 32611. August 1995 – July 1999. Duties include managing the College Research and Graduate Education components; developing departmental allocation budgets; developing research grant budgets; teaching graduate courses in Construction Law, and Information Systems; Directing College PhD Program, teaching Doctoral Research Seminars and managing computer labs and technology infrastructure and personnel.

Associate Professor, M.E. Rinker, Sr. School of Building Construction, University of Florida, Gainesville, FL 32611. August 1992 - August 1995. Duties included teaching undergraduate course in steel and timber structural design, graduate course in Construction Law and Computers Use in Construction; and managing computer labs.

Associate Professor, Architectural and Construction Engineering Technology, University of Southern Mississippi, Hattiesburg, MS 39406. August 1990 - August 1992. Duties included Teaching courses in Surveying, Steel and Timber Design, Concrete Structures, and Soils and Foundations; Setting up computer lab software (Timberline, Primavera, Quattro, AutoCAD); Academic Advisement; Research; and Service. Advising student Chapters of AIC, ABC, AGC, Habitat for Humanity.

Director of Computer Services and Professor of Computer and Information Sciences, Department of Math & Computer and Information Sciences, Mississippi Valley State University, Itta Bena, MS 38941. July 1989 - August 1990. Duties included teaching; managing academic and administrative computer services; managing departmental budgets; liaison with Central Data Processing Authority; acquisition of software and hardware; acquisition and management of campus fiber optic LAN.

Associate Professor & Coordinator of Computer and Information Sciences, Department of Math & Computer and Information Sciences, Mississippi Valley State University, Itta Bena, MS 38941. August 1984 - June 1989. Duties included teaching courses in: Data Structures; Database Management; Computer Literacy (for faculty and students); Pascal; C++; Computer Graphics; Computer Drafting; Cryptology; Operating Systems; Artificial Intelligence/ Expert Systems; Senior Projects; and Senior Seminars.

Mathematics Instructor, Department of Mathematical Sciences, Memphis State University, Memphis, TN 38152. August 1982 - August 1984. Duties included teaching two lecture courses in Mathematics.

Graduate Teaching Assistant, Civil Engineering Department, Drawer CE, Mississippi State University, MS 39762. January 1977 - August 1979. Duties included preparing, presenting, and grading for three weekly laboratory classes in the area of stress analysis. This, in addition to applying strain gages for various steel and concrete research projects.

**GRADUATE  
RESEARCH  
EXPERIENCE:**

Graduate Research Assistant, Civil Engineering Department, Drawer CE, Mississippi State University, MS 39762. January 1976 - August 1980. Developing computer programs for generating joint coordinates, element incidences, stress indices, and graphs for the finite element analysis of nuclear pipe components (TVA funded).

Preparing, injecting, curing, and testing of epoxy injected specimens and full-scale trusses, and data analysis by computer (USAF funded). Analysis of soils report and pile load test results, and their comparison with computer results from theoretical model (MSHD funded).

**CONTINUING  
EDUCATION  
SEMINARS**

Co-developer and Instructor, "Construction Claims Management," 3-day seminar, University of Florida Executive Education Program, Orlando, Miami, 2007 - .

Co-developer and Instructor, "Taking Charge of the Construction Process," 3-day seminar, University of Florida Executive Education Program, Tampa, Singapore, China, Orlando, Miami, 1999 - .

Instructor, "Supervisory Management Academy" – National Center for Construction Education and Research, 6-day seminar, Gainesville, FL, Sept., 1998 - .

Developer/Instructor, Project Managers Skills College, Falls Management Incorporated (FMI), Orlando, FL, August, 1996.

Developer/Instructor, Advanced Management Skills Institute, Falls Management Incorporated, Orlando, FL, June, 1995.

**SPECIAL TRAINING**

OSHA 500 Safety Course; MC<sup>2</sup> Estimating Training Certificate; Sexual Harassment Workshop; Future Academic Administrators Workshop. MC<sup>2</sup> Interactive Cost Estimating System Software Training Course Completion. Topics included quantity takeoffs and cost estimates, and conceptual estimates using assemblies.

**GRADUATE COMMITTEE ACTIVITIES**

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Abi-Shdid, Caesar	PHD DCP	CHA	ANN Coarse-Grain Model for Simulating Two-Dimensional Heat Transfer in Buildings	04/05
AlShanbari, Hamzeh	PHD DCP	CHA		
Barlow, Phillip L	PHD DCP	CHA		
Danso-Amoako, Mark	PHD DCP	CHA	Developing A Framework to Support Data Exchange From Heterogeneous Sources Via IFC and Web Services	12/06
Dib, Hazar Y.	PHD DCP	CHA	Visual Information Access and Management for Use in Life Cycle Project Management	05/07
Duvel, Charles Scott	PHD DCP	CHA	Application of Expert Systems to Controlling Workflow Within The Construction Management Environment	05/00
Giel, Brittany	PHD DCP	CHA	Framework for Evaluating the BIM Competencies of Building Owners	08/13
Jiang, Aiyin	PHD DCP	CHA	A Decision Support Model For Cost and Activity-Based Performance Measurement In Steel Construction	04/05
Kilgore, Mark	PHD DCP	CHA		
Kim, Seong Jin	PHD DCP	CHA	Analysis of Project Problems and Impacts on Multi-Project Success Parameters	12/09
Leung, Nga-Na	PHD DCP	CHA	A Real Option Model for Infill Land Valuation	08/07
Lhee, Sang Choon	PHD DCP	CHA	Artificial Neural Network Model to Predict Financial Contingency for Transportation Construction Projects	12/09
Liu, Riu	PHD DCP	CHA	BIM-Based Life Cycle Information Management: Integrating Knowledge of Facility Management into Design	08/12
Liu, Wen	PHD DCP	CHA	Simulation and Optimization of Linear Construction Projects	05/08
Lu, Huanqing	PHD DCP	CHA	Extended Production Integration for Construction (EPIC): An Integration System for Building Construction	12/02
Malone, Edward Kent	PHD DCP	CHA	Work-Life Balance And Organizational Commitment Of Women In Construction In The United States	08/10
Mayo, Glenda Kay	PHD DCP	CHA	Non-Geometric Data For Facilities Management: A Standarized Basic Needs Assessment For Facility Owners	12/14
Mutis-Sin, Ivan	PHD DCP	CHA	Framework For Interpretation of Construction Concept Representations	08/07
Niu, Jia	PHD DCP	CHA	Ontology-Based Semantic Interpretation Framework For Legal Analysis Of Construction Claims	08/14

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Ock, Jintaeck	PHD DCP	CHA		
Robey, Michael	PHD DCP	CHA		
Raheem, Adeeba	PHD DCP	CHA	Developing A Framework For A Reciprocal Safety Implementation System (Rsis) In The Pakistani Construction Industry	08/14
Shen, Zhigang	PHD DCP	CHA	A Design Component and Schedule Data Integration Model for Construction	05/07
Shi, Wei	PHD DCP	CHA	Framework for Integration of BIM and RFID in Steel Construction	12/09
Suermann, Patrick C.	PHD DCP	CHA	Evaluating the Impact of Building Information Modeling (BIM) On Construction	05/09
Whiteman, Daniel E.	PHD DCP	CHA	Application of Total Quality Management from the Field Superintendent Level of the Construction Industry	05/02
Wu, Wei	PHD DCP	CHA	Integrating Building Information Modeling And Green Building Certification: The BIM – LEED Application Model Development	08/10
Xie, Haiyan	PHD DCP	CHA	User Model Driven Architecture For Information Retrieval in Construction Project Management	04/05
Zhang, Le	PHD DCP	CHA	Ontology-Based Web Services Framework for Building Information Modeling	08/12
Zhu, Yimin	PHD DCP	CHA	Web-Based Construction Document Processing through a Malleable Frame	12/99
Zuppa, Dino Diodoro	PHD DCP	CHA	Factors Impacting Trust Between Contracting Parties On Construction Projects	8/09
Abi Nader, Guy G	PHD DCP	COC	Erection Stresses In Reinforced Concrete Tilt-Up Wall Panels	8/09
Alfaraidy, Faris A.	PHD DCP	COC	A Paradigm for Designing and Implementing Instructional Technology in Secondary School Buildings for the Kingdom of Saudi Arabia	12/98
Bradicich, Thomas M.	PHD DCP	COC	Location And Time Independent Techniques For Reducing Geographic Barriers to Healthcare Systems	12/96
Grosskopf, Kevin R.	PHD DCP	COC	The Use of Reclaimed Water in Multi-level, Multi-unit Commercial and Residential Structures	12/98
Lannon, Kristina	PHD DCP	COC		
Qi, Jia	PHD DCP	COC	Integration Of Construction Worker Fall Safety in Design Through the Use of Building Information Modeling	12/11
Shaw, Stephen F.	PHD DCP	COC	Florida County’s Inclusion of Educational Block Grant Monies in School Impact Fee Calculations	12/06
Stevens, Matt	PHD DCP	COC	Impact of Key Management Practices on Overhead to Direct Cost Ratio for Specialty Construction Contractors	12/12
Wills, Joe D.	PHD DCP	COC		
Agdas, Duzgun	PHD CIV ENG	MEM	Corporate level management system for critical strategic resources for large construction program managers	12/08
Al Aghbari, Khalsa	PHD LINGUIST	MEM	Noun Plurality in Jebbāli	08/12

NAME	DEG.	POS	TITLE	DATE
Al-Dusari, Abdul Aziz	PHD DCP	MEM	Neotraditional Urban Paradigm for Saudi Arabia	12/95
Chang, Frank C.	PHD DCP	MEM	HYPERGIS: A Concept and Its Application	12/01
Chen, Chao	PHD COMP ENG	MEM	A Programming Model for Safer Pervasive Spaces	12/12
Chen, Lu	PHD COMP ENG	MEM	A Web Service Composition Framework Based On Integrated Service Substitution And Adaptation	12/10
Chen, Mingsong	PHD COMP ENG	MEM	Efficient Approaches For Functional Validation Of SOC Designs Using High-Level Specifications	12/10
Chu, Hung-Ju	PHD COMP ENG	MEM	Reaching Semantic Interoperability Through Semantic Association of Faceted Taxonomies	12/10
Haidar, Adnan J.	PHD CIVIL ENG	MEM	Analysis And Optimization Of Megaproject Performance	8/11
King, Jeffrey C.	PHD COMP ENG	MEM	Atlas: A Service-Oriented Sensor and Actuator Network Platform to Enable Programmable Pervasive Computing Spaces	05/07
Li, Xiao	PHD COMP ENG	MEM	Mapping Reuse for Meta-querier Customization	12/11
Sinnreich, Jon	PHD CIV. ENG.	MEM		
Topsakal, Oguzhan	PHD COMP ENG	MEM	Semantic Integration Through Application Analysis	05/07
Thomas, Ronald C. Jr.	ED. D.	MEM	Factors Related To External Fundraising By Community Colleges	12/06
Tucker, Cynthia L	PHD ENT&NEM	MEM	Eastern Subterranean Termite ( <i>Isoptera: Reticulitermes flavipes</i> (Kollar)) Entering Into Buildings and Effects On Thermal Properties Of Building Materials	05/08
Woodson, Carol	PHD ED	MEM	Sustainability Theory and Educational Facilities	08/02
Abi Shdid, Caesar F.	MSBC	CHA	Simulating One-Dimensional Heat Flow In Composite Walls Using Artificial Neural Networks	12/02
AlShanbari, Hamzah	MSBC	CHA	Impact of Pre-Construction Project Planning On Cost Savings	12/10
Asmus, Mia A	MSBC	CHA	Development of An Artificial Neural Network to Predict Residential Energy Consumption Based on the Energy Performance Index and Conditioned Living Area	08/02
Ayala-Pakula, Patricio M	MSBC	CHA		
Barnes, Jamie Lynn	MSBC	CHA	Perceptions of Sustainable Construction in Large US Construction Companies	08/05
Bayar, Uluc	MSBC	CHA	A Pilot Study Based On Contractor Perceptions Of Integrated Total Project Services (ITPS)	08/03
Bazargani-Lari, Sina	MSBC	CHA	Benefits of Information Technology in Improving Preconstruction Efficiency	12/09
Berman, Drew Edward	MSBC	CHA	Cost-Benefit Analysis of a Four 10-Hour Day Work Week in Construction	05/09
Bhagvat, Ayesh Lauren	MSBC	CHA	Software Interoperability as the Future Standard for Design and Construction	08/09
Burnett, Robert F.	MSBC	CHA	Understanding the Relationship Between Successful Construction Company Growth and the Growth of a Small City In Florida	12/03
Bynum, William P.	MSBC	CHA	Building Information Modeling in Support of Sustainable Design and Construction	05/10

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Caglasin, Gul	MSBC	CHA	Assessment of e-Business Implementation in the Construction Industry	05/01
Castro-Raventos, Rodrigo	MSBC	CHA	Comparative Case Studies Of Subcontractor Information Control Systems	08/02
Chandler, Michael P.	MSBC	CHA	Improving The Construction Process Through Standardizing Daily Logs	08/06
Cheney, Lacinda M.	MSBC	CHA	Geographical and Building Information Systems Integration	05/10
Clayton, Jayson M.	MSBC	CHA	Job Stress Factors In Construction Management	05/02
Coble, Brennon Jon	MSBC	CHA	Prototype Development of Icons for Construction Supervisory Activities	08/97
Compton, Sean W.	MSBC	CHA	Improving Construction Efficiency And Profits Through Strengthening Of Company Culture	08/11
Cubides, Erika Marcela	MSBC	CHA	Residential Builders Perspective Of Building Code Inspections In Florida	12/06
Custis, Alice Virginia	MSBC	CHA	The Impact Of Leadership Style On Superintendent Construction Job Effectiveness	05/02
De Martini, Alessandro	MSBC	CHA	Developing and Training of a Neural Network to Analyze and Predict Energy Efficiency in Residential Buildings	05/96
Devier, Charlotte Joy	MSBC	CHA	Designers And Contractors Perceptions Of Each Other	08/06
Diplan, Anca	MSBC	CHA	A Survey Of The Status Of Women In Construction In Florida	08/02
Dubrovskyy, Dmytro	MSBC	CHA	Case Studies in Troubled Construction Projects	05/10
Estopinan, Javier F.	MSBC	CHA	Leading Factors Impacting the Frequency of Claims in Design-Build and Design-Bid –Build Delivery Systems	05/10
Faddoul, Antoine G.	MSBC	CHA	Security through Design: Effects on Construction Costs and Scheduling	12/02
Fintel, Ryan D.	MSBC	CHA	Linking BIM to Gaming Engine Technology	12/12
Giel, Brittany Kathleen	MSBC	CHA	Return on Investment Analysis of Building Information Modeling in Construction	08/09
Gilbert, Dane Ryan	MSBC	CHA	Current Deployment Of Lean Methods In The Construction Industry	05/08
Guynes, Trevor J.	MSBC	CHA	Implementation of Integrated Project Delivery in the Construction Industry	05/11
Haddad, Joseph E.	MSBC	CHA	Knowledge Management in Construction	05/06
Harrow, Adrienne I.	MSBC	CHA	Perceptions of the Design-Build Project Delivery Method among Small Florida Construction Firms	08/13
Horning (Hild), Frank J.	MSBC	CHA	Case Studies in Construction Disputes	12/07
Jajee, Kavya Rishikesh	MSBC	CHA	Case Studies on the Need for Bim in Facilities Management	08/13
Jennings, Courtney E	MSBC	CHA	Managing Subcontractor Productivity: Obtaining Exceptional Performance Without The Ability To Direct Performance	08/07
Kreitler, Cristiane	MSBC	CHA	Effect Of Pre-Construction Planning On Costs And Sustainability	08/11
Kuehmeier, Joseph Carl	MSBC	CHA	Building Information Modeling And Its Potential Impact On Small Construction Firms	05/08



<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Kuykendall, Casey Jo D	MSBC	CHA	Weighting Key Factors Affecting Labor Productivity in the Construction Industry	12/07
Lash, Robert Allen	MSBC	CHA		
Lawrence, Toby W.	MSBC	CHA	An Examination of The Relationship Between a Natural Urban Growth Boundary and Housing Affordability in Broward County	05/06
Malone, Edward Kent	MSBC	CHA	A Southeastern University-Affiliated Life Care Community: Is It Meeting The Expectations of Its Residents?	08/07
Mathorne, Amanda	MSBC	CHA	Technology Skills and Learning Style Assessment of Building Construction Students	08/08
Marstellar, Roberta L	MSBC	CHA	Residual Strength of Steel Fiber-Reinforced Concrete	08/96
Mccullough, Reid Campbell	MSBC	CHA	Construction Disputes in Florida	12/12
McKnight, Lisa	MSBC	CHA	Exploration Of A Metric To Measure Subcontractors BIM Performance Using An Object Count Of Modeled Components	05/14
McMaster, Brent M.	MSBC	CHA	Adoption and Use of Web-Based Project Management Systems in Construction	5/06
Miller, Ian Bruce	MSBC	CHA	Heat Management Strategies For Construction Workers	5/08
Morton, Joshua T.	MSBC	CHA	Cost Effective Sustainable Housing	8/09
Ock, Jintaek	MSBC	CHA	Quantifying The Potential Benefits Of Automated Data Acquisition Technologies' Integration In Construction Data Management Based On Bayesian Belief Network	12/10
Perkins, Edwin A.	MSBC	CHA	Building Information Modeling: Implementation In The Construction Industry	08/07
Powers, Mark Edward	MSBC	CHA	Effectiveness Of The Concrete Reinforcing Placement Inspection Process	12/02
Raheem, Adeeba A.	MSBC	CHA	Environmental Performance Analysis of a Single Family House in Florida	05/10
Ruiz, Jose M.	MSBC	CHA	BIM Software Evaluation Model for General Contractors	05/09
Salloum, Roy S.	MSBC	CHA	Use of Personal Digital Assistants in the Construction Industry	12/05
Schlaffer, Gregory P.	MSBC	CHA	Discovering Business Trends for Successful Homebuilders During a Recession in Alachua County Florida	12/09
Segdin, Paul J.	MSBC	CHA	Perceptions Of Profitability Of Subcontractors On Design-Build And Design-Bid-Build Projects	08/11
Shavalier, Gregory M	MSBC	CHA		
Sowder, Annemarie	MSBC	CHA	Managing Media To Manage Construction Projects	12/07
Tinetti, Robert Chad	MSBC	CHA	Using Artificial Neural Networks to Predict Student Success in The M.E. Rinker, Sr. School of Building Construction	08/00
Treffinger, Bryce H.	MSBC	CHA	Status of e-Business Implementation in the US Construction Industry	04/05
Updike, Michelle	MSBC	CHA	Affordable Spatial Adaptability of Single Family Homes	12/09
Ungerbeuhler, Steve	MSBC	CHA	Forecasting Molding Production Using An Artificial Neural Network	12/00
Valladares, Carolina M.	MSBC	CHA	Construction Industry Attitudes Towards The Building	12/11

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
			Information Modeling Process	
Vasconi, Sarah	MSBC	CHA	Fluid Applied Waterproofing Systems: A Case study of Kiley Gardens	08/09
Villanueva-Meyer, Sergio	MSBC	CHA	Importance of Multidisciplinary Collaboration in Building Information Modeling	12/10
Vorbe, Veronique	MSBC	CHA	Roadway Construction Safety in Haiti	12/13
Wells, Robert	MSBC	CHA	Worker Involvement, Understanding and Perception of Productivity As Factors of Motivation	05/10
Williams, Julia Birk	MSBC	CHA	Impact of Marketing Strategies on the Success of Small Residential Developers	05/07
Abi Nader, Guy G.	MSBC	COC	Mechanical Properties of Non-Metallic Reinforced Stucco Wall Systems	05/06
Ahrens, Kenneth Dar	MSBC	COC	Key Performance Indicators in the Construction Industry	05/97
Albanese, Anthony M.	MSBC	COC	Feasibility Analysis for Green Home Construction in Florida- A Case Study	05/10
Alsaffar, Adel	MSBC	COC	Physical and Mechanical Properties of a 3D Wall Panel System	12/06
Antevy, Jonathan Nisim	MSBC	COC	Development of a Multi-Media Based Learning System for Specific Construction Application	12/94
Ballowe, Paul L.	MSBC	COC		
Banting, John Robert	MSBC	COC	SEE Evaluation: A Comprehensive Sustainability Certification For The Construction Industry	12/07
Bass, Dustin Adam	MSBC	COC	Carbon Credits: A Catalyst For Energy Efficient Construction	08/07
Bohner, Suezann L	MSBC	COC	Evaluation of Safety Provisions in Subcontracts	05/07
Caicedo, Luis M.	MSBC	COC	Training and Motivation: Key To A Quality And Productivity Driven Company Culture	05/03
Catalano, Susanna	MSBC	COC	A Critical Analysis of Craft Skill Assessment Testing Instruments	12/04
Coan, Matthew	MSBC	COC	Low Impact Alternatives to Bridge/Pathway Construction	08/10
Corona, Fernando	MSBC	COC	Chinese Construction Industry Perceptions Of Counterfeiting Of Construction Materials And Products In China	08/13
Cheng, Bin	MSBC	COC	Limitations of Existing Scheduling Tools in Planning Utility Line Construction Projects	12/05
Collins, Heidi Lyn	MSBC	COC	Determining the Roadblocks to Construction Industry Research	05/99
Connors, Susan Marie	MSBC	COC	Does the Lack of Communication, Knowledge, and Understanding of Job Roles Lead to Adversarial Relationships?	12/98
Cutlip, David S.	MSBC	COC	Assessment of Safety, Sustainability and Public Perception of Manufactured Housing	05/06
Dandach, Haouraa Diala	MSBC	COC	Developing Fabrication Strategies For Customized Manufactured Housing	05/08
Danso-Amoako, Mark	MSBC	COC	An Evaluation of Computer Anatomic Modeling Tools for	12/01

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
			Analyzing Pre-Construction Problems	
Diavolitsis, Anastasia	MSBC	COC	Absence Of Craft Professionals: Alachua County High School Students' Perceptions Of The Construction Industry	08/06
Diezel, Keena J.	MSBC	COC	Key Behavioral Indicators from a Craft Worker Perspective	08/01
Dingman, Russel Thomas	MSBC	COC	Identifying and Preventing Counterfeiting in the Construction Industry	12/09
El-Andary, Elie G.	MSBC	COC	Evaluating Non-Destructive Testing Techniques to Detect Voids in Bonded Post-Tensioned Beams	08/03
Elliott, Brent R.	MSBC	COC	Two-Dimensional Bar Code Application for the Construction Industry	08/95
Ellis, Duane	MSBC	COC	Effects of Hurricane Force Winds on Modular Green Roof Systems	05/10
Ernest, Kim A.	MSBC	COC	Assessment of Six High School Construction Programs Within the State of Florida	05/01
Escobar, Jennifer	MSBC	COC	The Language and Cultural Barrier Between the Hispanic Construction Labor Force and English Speaking Management	05/06
Farmerie, Sarah Mace	MSBC	COC	Storm water Filtration Properties of Pervious Concrete	8/09
Fritz, Jennifer Ann	MSBC	COC	The Effects of Construction Craft Training on Qualitative Performance Behaviors	08/97
Golasangimath, Deepak	MSBC	COC	Thermal and Daylighting Performance in Automated Split Blinds	12/09
Griffin, Leah E.	MSBC	COC	Articulating the Business and Ethical Arguments for Sustainable Construction	04/05
Hayes, Marc Stephen	MSBC	COC		
Hlad, Kristen Michelle	MSBC	COC	Sustainable Practices in Residential Projects	12/09
Hurley, Michael J.	MSBC	COC	Cognitive Task Analysis of Superintendents Work: A Case Study and Critique of Supporting Information Technologies	08/05
Joannides, Maya M.	MSBC	COC	Implementation Of BIM Into Existing Architecture And Construction Education Curriculum	05/11
Jung, Jae-Mo	MSBC	COC	A Model for Evaluating the Feasibility of Brown Fields	08/05
Kelley, Kristy N.	MSBC	COC	Use of Recycled Oyster Shells as Aggregate for Pervious Concrete	12/09
Koblegard, Kristen N.	MSBC	COC	Key Behavior Indicators in the Construction Industry	12/97
Lannon, Kristyna T.	MSBC	COC	Using Recycled Concrete Aggregate in Pervious Concrete	8/09
Lauderdale, Gregory B.	MSBC	COC	A Comparative Study Of The Use Two-Dimensional And Three-Dimensional Drawings In Construction	12/01
Li, Xiao Xiao	MSBC	COC	Evaluation Of Project Delivery System For Highway Construction	08/11
Ligator, Jessica R.	MSBC	COC	Top Ten Building Code Violations in Florida as Determined by Building Officials	5/06
Lopez, Ashley Layne	MSBC	COC	Carbon Dioxide Absorption by Various Types of Portland Cement Mortars	12/09
McCollum, Kyle W.	MSBC	COC	Top Ten Building Code Violations in Florida as Determined	12/04

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
			by Plan Reviewers	
McNamara, Charlie	MSBC	COC	Integrated Design and Delivery as a Facilitator for High Performance Green Buildings	05/10
Metevier, Aimee M.	MSBC	COC	A Subcontractor Based Motivational Model	05/01
Morris, Amanda	MSBC	COC	Reshaping the Layers of Green Roof Systems	12/10
Murray, Patrick W	MSBC	COC	Comparison Of Permalath Reinforcement To Metallic Lath Reinforcement In Stucco Cladding Systems	08/06
Newland, David M.	MSBC	COC	Impact of Superintendent Leadership Behavior on Project Performance	12/05
Nickels, Stephen M.	MSBC	COC	Improving Occupant Behavior To More Effectively Achieve Net Zero Energy Buildings	08/11
Nickels, John A	MSBC	COC	Variation in Noise Measurements of Power Tools in MSBC Construction	12/07
O'Neill, Michael E.	MSBC	COC		
Pak, Brian	MSBC	COC	Methods to Evaluate the Effectiveness and Societal Response to U.S. Antiterrorism Measures	12/05
Piela, Jeremy M.	MSBC	COC	Modeling Risk Factors and Associated Effects on Expected Bids in Certified Sustainable Construction	08/10
Peterson, Calvin H.	MSBC	COC		
Reeves, Thomas J.	MSBC	COC	Guidelines for Using Building Information Modeling (BIM) for Environmental Analysis of High-Performance Buildings	08/12
Roberts, David M.	MSBC	COC	Improving the LEED-NC 2009 Materials and Resources Category Using International Building Assessment Systems and Standards	12/09
Schrantz, John Richard	MSBC	COC	Employment of construction workers through temporary labor agencies in Florida	5/06
Scialabba, Samuel Scott	MSBC	COC	Comparison of Loss Ratios Between Owner and Contractor Consolidated Insurance Programs	5/06
Semidey, Rafael Jose	MSBC	COC	Influence of Synthetic Fibers on Plastic Shrinkage of Self-Consolidation Concrete	12/06
Shuai, Cui	MSBC	COC	Sino-American Perceptions of Counterfeiting in the Construction Supply Chain	5/10
Song, Chuan	MSBC	COC	Multi-Source Allocation Across Multiple Projects by Subcontractors	08/05
Suprenant, Andrew James	MSBC	COC	Can Design-Build Project Delivery Facilitate Green Construction Practices?	5/09
Thurston, Mitchell	MSBC	COC	Visibility Related Fatalities in the Construction Industry	5/10
Trofin, Iulian	MSBC	COC	Impact Of Uncertainty on Construction Project Performance Using Linear Scheduling	05/04
Tyus, David Scott	MSBC	COC	A Case-Based Critique of the Industry Foundation Classes For Building Commissioning	05/03
Vangimalla, Prasanthi	MSBC	COC	Validation of Autodesk Ecotect BIM Environmental Analysis Software Using Rinker Hall as a Case Study	12/10
Vickers, Jacob K.	MSBC	COC	Development of a Comprehensive Safety Checklist for Tilt-Up Construction	12/08
Wangle, Amber Marlene	MSBC	COC	Perceptions of Traits of Women in Construction	5/09

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Wisniewski, Tomasz A.	MSBC	COC	Sensitivity of the Performance of Project Streams to Uncertainty	12/07
Wubbenhorst, Peter R.	MSBC	COC	Pen Computer Applications and Potential for Collecting and Transferring Field Level Construction Information	05/96
Zurich, Courtney K.	MSBC	COC	A Comparison Of CPM-Bar Chart Scheduling To A Newly Proposed Hierarchical Constraint-Based Approach To Modeling Construction Processes	12/10
Blackwell, Harmony	MSBC	MEM	An Evaluation of Racetrack Surfaces in the Thoroughbred Horse Racing Industry	8/09
Cobb, Thomas W.	MSBC	MEM	Variability in the Calculation of OSHA Recordable Injury Rates	12/09
Cox, Matthew W.	MSBC	MEM	Sustaining LEED: Perceptions of Financial , Environmental and Organizational Opportunities	05/06
Domitrovic, Ronald E.	MSBC	MEM	Out-of-Band Signaling for Control and Management Data in Enterprise Computer Networks	05/96
Dorsett, Ryan David	MSBC	MEM	Analysis of Building Commissioning from a Contractor's Perspective	8/08
Green, Garrett P.	MSBC	MEM		
Hall, Thomas M.	MSBC	MEM	The Role of Lending Institutions in Residential Construction	08/93
Kim, Mark Euno	MSBC	MEM	Evaluation Of Performance Measures As Leading Indicators Of Safety	08/06
Magambe, George	MSBC	MEM	Using Neural Network Artificial Intelligence To Determine Concrete Maturity Strength	05/02
Mcallister, Andrew N.	MSBC	MEM	Assessing the Cost Impact of Proposed Residential Building Code Changes	12/94
Mehta, Neera Vinod	MSBC	MEM	An Investigation of Current Project Control Systems Within the Construction Industry	12/95
Parham, Arash	MSBC	MEM	Detection of Micro Cracks in Concrete Cured at Elevated Temperature Levels: Temperature Rise of Mass Concrete in Florida	12/04
Pederson, Robert Bruce	MSBC	MEM	An Environmental Handbook for the Resident Engineer	05/95
Robles, Lesbor Antonio	MSBC	MEM	An Evaluation of the Process of Residential Acquisition, Development and Construction Lending in the State of Florida	12/93
Rogers, Brent D.	MSBC	MEM	Modeling Safety Performance of Specialty Contractors	12/09
Rubin, Judah S.	MSBC	MEM	Rainwater and Gray Water Collection and Reuse Systems Design Guide for Residential Applications	05/97
Sims, Bradford Lee	MSBC	MEM	Worker's Compensation Fraud Review and Analysis in the Construction Industry	08/96
Swick, James Jackson	MSBC	MEM	Impact of Heavy Sediments at Shaft Bottom on Loss of Shear and Bearing Capacity of Drilled Pier Foundations	12/08
Valdez, Hector	MSBC	MEM	ISO 9000 and the US Construction Industry	05/01
Wells, Charles Matthew	MSBC	MEM	The Pen Computer With Digital Camera As A Tool To Bring Construction Field Personnel Into The Information Age/Safety Era	05/94
Abell, Robert Harrison	MBC	CHA	Integration of the Construction Computer Software	05/09

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
			Programs	
Aber, Matthew Landon	MBC	CHA	36 hours	05/10
Al Ajlani, Yaser	MBC	CHA	Developing an Approach to Increase Profitability and Logistics Performance in Local and Overseas Construction	12/06
Allen, Shane Marshall	MBC	CHA	Transformation To The Digital Contract Method By Integration Of Building Information Modeling And Building Simulation Technologies	08/05
Anderson, Thomas R.	MBC	CHA	36 hours	12/08
Barnas, Carrie Anne	MBC	CHA	36 hours	12/09
Beich, Sandra L	MBC	CHA	36 hours	8/09
Bondre, Sailee	MBC	CHA	Total Quality Management (TQM) Principles and Quality Performance in The Construction Industry	05/03
Boonpunya, Tawan	MBC	CHA	36 hours	5/09
Charlesworth, Jonathan	MBC	CHA	A Review Of Information Technology Applications In Construction Using Case Studies	05/02
Chen, Bin	MBC	CHA	Applying the U.S. Concept of Surety Bonds in the People's Republic of China	08/97
Connor, John W.	MBC	CHA	Feasibility Of Bare Base Operations In The State Of Florida	05/02
Cox, Brian	MBC	CHA	The Preconstruction and Design Phase of Rinker Hall	05/01
Dahlberg, Christopher	MBC	CHA	36 hours	12/09
Del Pizzo, Matthew J.	MBC	CHA	36 hours	8/09
Duffey, Ryan K.	MBC	CHA	ADA Accessibility Guidelines Handbook	08/03
Edwards, Tahir Andre	MBC	CHA	36 hours	5/09
Ehrman, Darren Joseph	MBC	CHA	Impact of the 2004 CSI Master Format on the A/E/C Industry	08/05
Elmer, Jason David	MBC	CHA	Facilities and Construction Management Plan Review Web Application for the School Board of Broward County	05/06
Estupinan, John Paul	MBC	CHA	Advances in Shaft Inspection Device Technologies in Drilled Foundations	8/09
Fischer, Yanah M.	MBC	CHA	Procedures, Strategies And Irregularities In Competitive Contract Bidding	12/06
Galetka, David Alan	MBC	CHA	Student Participation on a Co-Generation Project Case Study	08/93
Gencorelli, Paul E.	MBC	CHA	Storm Shutter Utilization for Hurricane Damage Prevention	08/93
Hall, Mitchell C.	MBC	CHA	36 hours	
Hatker, Robert Edwin	MBC	CHA	Structural Wind Tunnels: A Present and Future Analysis	08/95
Hicks, Russell Brian	MBC	CHA	Avoiding Litigation in the Construction Industry	12/95
Hilley, Michael L.	MBC	CHA	Overview of Sustainable Building Design and Construction Alternatives	05/07
Ho, Kar Singh	MBC	CHA	36 hours	5/10
Jefferson, Andrew Nolan	MBC	CHA	36 hours	12/09
Johnson, Kristi Rose	MBC	CHA	36 hours	8/09
Kunkel, Chad Ryan	MBC	CHA	Implementation Of Mass-Produced Housing In Disaster Relief And Reconstruction	05/07

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Lamantia, Michael F	MBC	CHA	Balancing the Construction Curriculum to Meet the Construction Industries Computer Expectations	08/93
Lipchik, Mark Joseph	MBC	CHA	Focusing on the Adversarial Relationship Between the Design Professional and the General Contractor	12/95
Longobardi, Clifton G.	MBC	CHA	An Update Study of the Impact of the Construction Industry on Florida's Economy	12/06
Maron, Richard A	MBC	CHA	Current Applications and Performance of RFID Technology in Construction	05/06
Martin, Damien O.	MBC	CHA	The Role of PSWS in Improving the Flow of Information in a Construction Project	08/02
Mass, Zion I.	MBC	CHA	Evaluating the Acceptance and Efficacy of E-Business Solutions In The Construction Industry	08/06
McLane, Scott A.	MBC	CHA	An Analysis of the Project Delivery Process for a Public Owner	12/95
McGuire, James J.	MBC	CHA	36 hours	12/09
Monroe, Matthew D.	MBC	CHA	A Review of the Smart Home	12/04
Moukhtara, Silvia H	MBC	CHA	36 hours	08/10
Murray, Stephanie N	MBC	CHA	36 hours	08/10
Nordell, Kenneth L	MBC	CHA	36 hours	08/10
Olsen, Darin Michael	MBC	CHA	Needs Assessment and Program Development for Design-Build Training/Orientation of Project Managers and Field Supervisors	05/00
Pouncey, Christian L	MBC	CHA	NAFTA and Its Effect on Infrastructure Opportunities for American Contractors in Mexico	08/97
Rhodes, Bradley K	MBC	CHA	36 hours	08/10
Robinson, Kyle Everett	MBC	CHA	36 hours	12/08
Roche-Navarro, Myrnabelle	MBC	CHA	Computer 3-D Graphics in Construction Claim Reduction	12/98
Roscigno, James M	MBC	CHA	Incorporating Computer Technology into Construction	08/96
Saldamando, Rafael J	MBC	CHA	Case Studies In Building Construction Human Factors	12/06
Salvador, Aaron F	MBC	CHA	Condominium Defect Litigation: Preventing And Reducing The Risk	12/06
Sanjurjo, Spencer A.	MBC	CHA	Hurricane Resistant Nail Performance	8/08
Santiago, Aixa	MBC	CHA	Mold and Its Impact on the Design and Construction Industry	12/03
Sareshwala, Kamrunissa A	MBC	CHA	36 hours	08/10
Shelton, Vernon	MBC	CHA	36 hours	08/10
Shi, Wei	MBC	CHA	Document Imaging in Construction	12/04
Singleton, Nicole R	MBC	CHA	Integrating Construction Concepts Across Primary And Middle School Curricula	08/06
Sivakua, Tarawit	MBC	CHA	Application of Productivity Assessment Tools in Construction	12/02
Smeds, Kevin Fenton	MBC	CHA	Preliminary Assessment of Internet Use in the Construction Industry	12/98

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Spence, Matthew Ross	MBC	CHA	The Effects of Market Research and Business Development on Commercial Construction Firms	12/05
Stanton, Andrew L.	MBC	CHA		
Stevens, Wesley L.	MBC	CHA	36 hours	
Stewart, Shannon	MBC	CHA	Implications of Cross-Cultural Differences for US Contractors Working in the Hong Kong Construction Industry	05/07
Tulva, Ravi S.	MBC	CHA	The Design-Build Project Delivery System-Advantages And Risks Involved	04/05
Abney, Kyle M.	MBC	COC	An Interactive Green Building Directory to Facilitate LEED Green Building Systems	05/01
Cox, Jeremy Kristofer	MBC	COC	Characteristics of Site Built and Manufactured Homes in Florida	05/99
Cramer, Daniel Scott	MBC	COC	Construction Delay Claims: A Synopsis of Standard Contractual Provisions Related to Delay Claims and Their Interpretation Under the State of Florida Judicial System	05/99
Dixon, Joshua W.	MBC	COC		
Fillie, Christopher L.	MBC	COC	Entrepreneurial Real-Estate Development: A Hardscape Path To Sustainability	08/06
Hammerschmidt, Mark A.	MBC	COC	The Need to Redefine the Roles and Responsibilities of the Architect	08/06
Hofheinz, Veronica A.	MBC	COC	Addressing the Socio-Economic Impacts of Urban Sprawl Through Inclusionary Housing	12/04
Holtzower, Darby L.	MBC	COC	The Need for Stochastic Approaches to Planning Linear Construction	12/02
Hughes, Burr D.	MBC	COC	A Case Study on the Gantt Chart Scheduling Format for High-Rise Structures in Central Florida	12/05
Johnson, Wendy L.	MBC	COC	Aspects of A Quality Plan For Residential Construction	08/02
Li, Li	MBC	COC	A Critical Review of Windborne Debris and Storm Surge Hazards in Hurricanes	12/99
McNally, Kristene V.	MBC	COC	The M.E. Rinker, Sr. School of Building Construction Student Employment Assessment and Standardization of Job Placement	08/03
Miller, Brice R.	MBC	COC	Development of an Electronic Distance Education Construction Financial Management Course	08/02
Moreschi, Vincent M.	MBC	COC	A Guide for Implementing a Diversity Business Inclusion Program for General Contractors	08/06
Mozahab, Hassan	MBC	COC	Traffic Management In Megapolises: Tehran Case Study	12/06
Oriol, Jason	MBC	COC		
Pruett, Edward Grant	MBC	COC	Conceptual Automation of the U.S. Army Corps of Engineers Construction Management Quality Control Programs	12/95
Robey, Michael W	MBC	COC	Exploring The Use Of Standardized Proposal Forms In The Construction Bidding Process	12/03
Seifried, Sean M.	MBC	COC	Overview of Current Asbestos Abatement Processes	8/09
Shinde, Swapna	MBC	COC	A Research Study of Foundation and Slab Designs of Large	05/96



<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
			Buildings for Radon Resistant Construction	
Smith, Allen Christopher	MBC	COC	Overview of Current Asbestos Abatement Processes	12/08
Sullivan, James	MBC	COC	Development of a Training and Experience Based Productivity Model for Construction	12/01
Terrana, Carlina Jo	MBC	COC	Buying and Selling Construction Companies: Guidelines for Valuation	08/96
Vargas, Carlos A	MBC	COC	Storm Water Pollution Protection Plan (SWPPP) Enforced In Florida	05/07
Ware, Christopher W.	MBC	COC	Sustainable Renovations and LEEDS Ability To Assess Them	05/06
Will, Steven Michael	MBC	COC	Process of Tilt Wall Construction	08/08
Wilson, Jason Michael	MBC	COC		
Wroblewski, Paul A.	MBC	COC	Drawing for Project Managers of Construction	05/08
Balfourt, Leonard Todd	MBC	MEM	BCN 3255 - Construction Drawing II Student Manual	08/93
Blatter Jr., Robert L	MBC	MEM	Risk Shifting in Design-Build	12/99
Botero, Luis Gabriel	MBC	MEM	Hurricane Andrew: Residential Building Performance	12/93
Cannon, David Walter	MBC	MEM	Hurricane Damage Protection Techniques For Residential Buildings	08/06
Engel, Mark Donald	MBC	MEM	A Comprehensive Review of the Code Changes and Cost of Residential Construction After Hurricane Andrew	08/95
Freeman, Mark Thomas	MBC	MEM	Green Building Materials	05/98
Harmon, Anthony Reed	MBC	MEM	Overview of Smart Growth in the Unites States	05/06
Herbig, David M.	MBC	MEM	Residential Renewal Through The Gainesville Community Redevelopment Agency's Fifth Avenue/Pleasant Street Model Block Project	08/05
Iarossi, Thomas	MBC	MEM	An Investigation Of Marketing Methods In Construction	08/02
Kanzler, Kristine L.	MBC	MEM	Affordable Housing and NIMBYism	12/01
Kohl, Jeffrey Dean	MBC	MEM	Survey Development For Measuring Productivity And Motivation On Production-Based Residential Jobsites	12/06
Kruse, Jeffrey M	MBC	MEM	The Economics of Preservation and Re-Use	08/96
Lane, Seth T.	MBC	MEM	The Profitability and Sustainability of Urban Renewal Projects through Brownfield Remediation Using Federal and State Incentive Programs in Florida	05/07
Leng, Zhigang	MBC	MEM	Hurricane Effects and the Design of Hurricane Resistant Residential Buildings	05/98
Leske, Brandon	MBC	MEM	Selection and Management Of Employees In Construction	08/02
Lillard, Hollis A.	MBC	MEM	Sustainability and New Urbanism	5/09
Monahan, Robert P.	MBC	MEM	Reducing the Terrorist Threat to Buildings: Protecting An Investment	12/04
Rabitaillle, Brian Jeff	MBC	MEM	A Comparison Of International Building Assessment Systems	12/07
Ramaswamy,Kartchikeyan	MBC	MEM	Hurricane Debris Management Focusing On Atlantic Hurricane Season 2004	08/10
Thirlwell, David	MBC	MEM	A Feasibility Assessment of a Full-Spectrum Hybrid Solar Lighting System for Buildings	05/07

<b>NAME</b>	<b>DEG.</b>	<b>POS</b>	<b>TITLE</b>	<b>DATE</b>
Turner II, Clayton M	MBC	MEM	International Business Alliances with a Construction Industry Emphasis	05/96
Vollenweider, Lydia M	MBC	MEM	Container Shell Integrated Construction	12/95
Wahl, Jason Henry	MBC	MEM	Icynene Foam Insulation in residential Buildings	08/04
Wamanacharya, Kalika	MBC	MEM	A Proposed TQM Manual for Medium Sized Residential Construction Companies	05/96
Alfred, Corey	MICM	CHA	Solar Power Options for the USAF	08/12
Babnli, Shamil	MICM	CHA	Safety and Quality in International Construction	12/11
Barding, Valla M.	MICM	CHA	Governmental Building Policies to Promote Sustainable Construction Practices	8/09
Belcher, Lisa	MICM	CHA	Analysis of Florida Local Government Non-Residential Building Programs	5/09
Black, Gregory J.	MICM	CHA	Need for Evaluation of the Adaptation of Lean Construction Techniques	12/07
Blakey, John	MICM	CHA	Bovis Lend Lease: Making The Journey From Good To Great	08/08
Brown, Derek L.	MICM	CHA		
Cummins, Brian	MICM	CHA	Determining the Value of Building Assessment Systems to Residential Contractors in the State of Utah	12/10
Faust, William	MICM	CHA	The Need For Owner's Representatives On Construction Projects	05/11
Green, Michael A.	MICM	CHA	Safety During High Performance Green Building: A Statistical Comparison Of Accident Rates Among Certified Leed New Construction Projects	12/12
Harden, Joshua	MICM	CHA	Employee Empowerment In The Construction Industry	08/08
Henson, Matthew J.	MICM	CHA	Dematerialization of Production Homebuilding Permitting Process	05/11
Johnson, Tyler	MICM	CHA	What Are The Benefits Of A Masters Degree In Construction?	12/10
Montes de Oca, Ramiro	MICM	CHA	Sustainability Efforts Of The Department Of Defense	12/03
Sadig, Nadir	MICM	CHA	Front-End Loading Facilitated Assessments for Measuring Project Leading Indicators, Identifying Gaps and Areas of Improvement	08/11
Staysich, David	MICM	CHA	Applied Sustainability Concepts in Engineering, Procurement and Construction	8/09
Tharin, Catherine B.	MICM	CHA	The Application of Behavior Based Safety on Construction Projects	08/04
Thompson, Edward	MICM	CHA	LEED Cost Premiums: A Case Study of an Apartment Project in Kissimmee, FL	12/09
Karatas, Aslihan	MS CE	MEM	Survey of supply chain management as perceived by the US construction industry	5/09
Haldavnekar, Nikhil	MS Comp. Eng.	MEM	An Algorithm and Implementation for Extracting Schematic and Semantic Knowledge from Relational Database Systems	12/02
Le, Zhang	MS Comp. Eng.	MEM	36 hours	08/11

NAME	DEG.	POS	TITLE	DATE
Lu, Huanqing	MS Comp. Eng.	MEM	Implementation Of An Advanced Transaction Model For An Integrated Computing Environment For Building Construction	05/02
Shekar, Sangeetha	MS Comp. Eng.	MEM	An Algorithm and Implementation for Extracting Semantic Information from Legacy Application Code	05/03
Xie, Haiyan	MS Comp. Eng.	MEM	36 hours	05/03
Zhu, Yimin	MS Comp. Eng.	MEM	Implementation of Dynamic Hypermedia Generation for Construction Document Processing	05/99
Hansen, Kimberly V	Master of Eng.	COC	How Computer and Communication Technology Has Changed Construction Project Management	08/98
Cervera, Alejandro O	Master of Eng.	MEM	36 hours	12/02
Choi, Jaehyun	Master of Eng.	MEM	Foundations of a Subcontractor Resource Management Ontology	05/03
Washington, John C	Master of Eng.	MEM	The Application of Neural Networks for Predicting Framing Lumber Prices	08/98
Ballestas, Victor M.	MA REA	MEM	36 hours	08/01
Floyd, John Warren	MA REA	MEM	36 hours	08/02
Jurus, Pamela Joy	MA REA	MEM	36 hours	08/01
Nelson, Ian James	MA REA	MEM	36 hours	12/02
Penrose, Patrick J.	MA REA	MEM	36 hours	08/02
Ledezma, Ivan	MS REA	MEM	36 hours	08/04
Malone, Edward Kent	MS REA	MEM	36 hours	08/04
Powell, Justin Nelson	MS REA	MEM	36 hours	08/04
Schmiedt, Rainer A.	MS REA	MEM	36 hours	08/05

### HONORS PAPERS

Koblegard, Kristen	Importance of Ethics in Construction Management	05/93
Miller, Corey	Dispatching Software Packages for a Local Plumbing Company	05/98
Becker, Richard	Project Start-Up Procedures for Project Engineers	12/98
Crumley, Jeremy	Contractor Liability for Indoor Air Quality	05/99
Peterson III, Calvin H.	ISO 9000 in Construction	12/99
Eberhart, Jon D.	Year 2000 Building Construction Alumni Survey	05/00
Azmus, Miete	Development Of An Artificial Neural Network To Predict Residential Energy Consumption Based On Energy Performance Index and Conditioned Living Area	12/00
Regan, Michael	1998 Florida Wildfires: Discussion of a Natural Disaster Phenomena	05/02
Burnett, Robert F.	Can The Building Construction Industry Be Profitable in Small Towns?	05/03
Matthesen, Billy	Developing a Rinker School Internship Survey	05/03
Pratt, Jamie	The Effects of Legislation on the Construction Industry	05/03
Schmid, Todd	Developing a Rinker School Internship Survey Web Page	05/03
Sowder, Anne Marie	A Historical Perspective On The Control Of The Flow Of Information In Construction	05/03
Wingate, Jesse	Developing a Rinker School Internship Survey and Web Page	05/03
Cruce, Angela	Use of Fiber Reinforced Concrete in Residential Construction	05/04
Snowden, Sean	A Comparison of AutoDesk Revit and On Screen Take Off	05/09
Eddie Samaha (CE)	Mathematical Modeling of the Microbial Loop	05/09
Meyers, Staci	Building Information Modeling Software in Construction	12/11

## UNDERGRADUATE RESEARCH SCHOLARS

Azmus, Mia	Development Of An Artificial Neural Network To Predict Residential Energy Consumption Based On Energy Performance Index and Conditioned Living Area	2001-2002
Isaacs, Donna	Standardization of the Subcontractor Prequalification Process	2003-2004
Motes, David	Building Information Modeling (BIM) in Construction	2011-2012

## PUBLICATIONS (\* indicates student co-author(s))

### Books Authored

1. Xie, H. \*, Shi, W. \* and Issa, R.R.A., *Integration of BIM and RFID in Steel Construction*, Lambert Academic Publishing, Saarbrucken, Germany (2010).

### Books Edited

1. Issa, R.R.A. and Olbina, S. (Eds.), *Building Information Modeling: Applications and practices in the AEC Industry*, ASCE Press, in production.
2. Issa, R.R.A. and Mutis, I. (Eds.), *Ontology in Civil Engineering: A decade of research and development*, ASCE Press, in production.
3. Issa, R.R.A. and Salazar, G. (Eds.), *Proceedings bSa 2014 BIM Academic Symposium*, Jan. 10, 2014, 180 pp
4. Issa, R.R.A. and Salazar, G. (Eds.), *Proceedings bSa 2013 BIM Academic Symposium*, January 11, 2013, 180 pp.
5. Issa, R.R.A. and Issa, C.A. (Eds.), *Proceedings CIB W-78 29th International Conference on IT in Construction*, October 17-19, 2012, Beirut, Lebanon.
6. Issa, R.R.A. and Flood, I. (Eds.), *Proceedings ASCE International Conference on Computing in Civil Engineering*, June 17-20, 2012, Clearwater Beach, FL.
7. Issa, R.R.A. and Salazar, G. (Eds.), *Proceedings EcoBuild 2011 BIM Education Forum*, December 8, 2011, 150 pp.
8. Zhu, Y. and Issa, R.R.A. (Eds.), *Proceedings ASCE International Workshop on Computing in Civil Engineering*, June 19-21, 2011, Miami, FL.
9. Issa, R.R.A. and Salazar, G. (Eds.), *Proceedings EcoBuild 2010 BIM Education Forum*, December 8, 2010, 200 pp.
10. Issa, R.R.A. (Ed.), *Proceedings*, Thirteenth Annual Rinker International Conference and International Conference on Construction and Real Estate Management (ICCREM 2006) Collaboration and Development in Construction and Real Estate, Orlando, FL, Oct. 5-6, 2006, 1692 pp.
11. Issa, R.R.A. (Ed.), *Proceedings*, CONVR 2006, 6th International Conference on Construction Applications of Virtual Reality Orlando, FL, 3-4 August 2006, 219 pp.
12. Issa, R.R.A., Flood, I. and O'Brien, W. (Eds.), *Developments and Applications: The Visual Construction Enterprise*, A. A. Balkema, Rotterdam, The Netherlands (2003).
13. Issa, R.R.A. (Ed.), *State of the Art Report: Virtual Reality in Construction*, TG 24 (CD), CIB, Rotterdam,

The Netherlands (1999).

14. Issa, R.R.A. (Ed.), *Proceedings*, Eighth Annual Rinker International Conference on Technology Innovation and Integration TG 24, Gainesville, FL, Feb. 19-20, 1998.
15. Chang, W.P., Issa, R.R.A. and Cox, R.F. (Eds.), *Proceedings*, CIB W89 International Conference on Construction Education and Modernization, Beijing, China, Oct. 21-24, 1996.
16. Issa, R.R.A. (Ed.), *Proceedings*, ASC Southeast Regional Meeting, St. Augustine, FL, Nov 2-3, 1992.

### **Contributed Chapters**

1. Niu, J. and Issa, R.R.A., "Case Studies on Taxonomy Development for the Domain Ontology of Construction Contractual Semantics," *Ontology in Civil Engineering: A decade of research and development*, Issa, R.R.A. and Mutis, I. (Eds.), ASCE Press, in production.
2. Wu, W.\* and Issa, R.R.A., "Implementation of BIM in Green Building Project Delivery: Current Efforts and Possible Developments via Integrated Process Mapping," *Building Information Modeling: Applications and practices in the AEC Industry*, Issa, R.R.A. and Olbina, S. (Eds.), ASCE Press, in production.
3. Giel, B.\*, Mayo, G.\* and Issa, R.R.A., "BIM Use and Requirements among Building Owners," *Building Information Modeling: Applications and practices in the AEC Industry*, Issa, R.R.A. and Olbina, S. (Eds.), ASCE Press, in production.
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1. Niu, J.\* and Issa, R.R.A., "Ontology-based Semantic Interpretation Framework for Legal Analysis of Construction Claims," accepted for *Proceedings 21st International Workshop: Intelligent Computing in Engineering 2014*, July 16-18, 2014, Cardiff, UK, 10 pp.
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175. Lorentz, R.A. and Issa, R.R.A., "Variations in Anxiety/ Attitudes of Black High School Teachers Towards Computers: Further Evidence," *Proceedings and Abstracts Decision Science Institute 19<sup>th</sup> Annual Meeting, Western Region Conference*, March 1990, pp. 149-52.
176. Issa, R.R.A. and Avent, R.R., "ERTSYS: An Epoxy Repair of Timber Structures Expert System," *Symposium on Expert Systems in Civil Engineering, Proceedings 6<sup>th</sup> Conference on Computing in Civil Engineering*, ASCE, Atlanta, GA, Sept. 1989, pp.891-98.
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#### **Refereed Proceedings (Reviewed Abstracts)**

1. Cox, R.F., Issa, R.R.A., and Killingsworth, C.\*, "A Changing Learning Environment: Interactive Training to Enhance Safety Performance," *Proceedings ASC Southeast Regional Meeting*, Atlanta, GA, Nov., 1996, pp. 83-98.
2. Cox, R.F., Issa, R.R.A., and Fritz, J.\*, "A Model to Determine the Return on Investment in Craft Training," *Proceedings ASC Southeast Regional Meeting*, Atlanta, GA, Nov., 1996, pp. 47-56.
3. Issa, R.R.A. and Fletcher, D. W., "Neural Networks in Engineering Applications," *Proceedings ASC Southeast Regional Meeting*, St. Augustine, FL, Nov 2-3, 1992.
4. Issa, R.R.A. and Avent, R.R., "Microcomputer Analysis of Guyed Towers as Lattices," *Proceedings Structural Congress V*, ASCE, New Orleans, LA, Sept. 15-18 1986, pp.348.

## Keynote Speeches

1. Invited Keynote Speaker, “BIM and AR,” *2014 International Conference on Innovative Technologies in Construction (ITC 2014)* will be hosted at Northeastern University, Shenyang, China, on 3-5 July 2014.
2. Invited Keynote Speaker, “BIM and Visualization: A view from the USA,” *13th International Conference on Construction Applications of Virtual Reality*, London, UK, October 30-31, 2013.
3. Invited Keynote Speaker, “BIM for Infrastructure,” *2<sup>nd</sup> International Conference of Civil Engineering, Architecture and Sustainable Infrastructure*, Zhengzhou, China, July 13-15, 2013.
4. *Virtual Design and Construction*, CIB W78 27<sup>th</sup> International Conference on IT in Construction, November 17, 2010, Cairo, Egypt.
5. *Building Information Modeling: A New Approach to Design, Construction and Facilities Management*, 2009 International Conference on Construction and Real Estate Management (ICCREM): Collaboration in Crisis, Nov. 4-6, 2009, Beijing, China.

## Refereed Presentations

1. Issa, R.R.A. and Mutis, I, “Ontology Based Framework Using a Semantic Web to Achieve Interoperability in Construction,” *Proceedings EG-ICE Intelligent Computing in Engineering and Architecture*, Ascona, Switzerland, June 26-30, 2006. Invited Plenary Speaker

## Non-Refereed Publications

1. Suermann, P. and Issa, R. (2008). “BIM in the U.S. Air Force” **Air Force Civil Engineer**, Vol 16 (2). (Note: Runnerup, MG Augustus M. Minton Award, Best Air Force Civil Engineering (AFCE) Magazine Article of 2008).
2. Flood, I. and Issa, R.R.A. “Damage Assessment using Reverse Modeling”, in proceedings of Summer Colloquium Series on Homeland Security, Gainesville, FL, *University of Florida*, July 2004.
3. Flood, I. and Issa, R.R.A. “Dynamic Decision-Making in Emergency Environments”, in proceedings of Summer Colloquium Series on Homeland Security, Gainesville, FL, *University of Florida*, July 2004.
4. Cox, R.F., and Issa, R.R.A., “Pen Computers- Versatility and Convenience on the Jobsite,” *Computers in Construction - Associated Builders and Contractors*, Rosslyn, VA , Summer Edition 1997, pp. 2-4.
5. Cox, R.F., Issa, R.R.A. and Flood, I., “Using Multimedia Presentations to Enhance Construction Training,” *Computers in Construction - Associated Builders and Contractors*, Rosslyn, VA , Summer Edition. 1997, pp. 14-8.

## Non-Refereed Presentations

1. Invited Keynote Speaker, “BIM and AR,” *2014 International Conference on Innovative Technologies in Construction (ITC 2014)* will be hosted at Northeastern University, Shenyang, China, on 3-5 July 2014.

2. Invited Speaker, "BIM and Visualization: A view from the USA," *13th International Conference on Construction Applications of Virtual Reality*, London, UK, October 30-31, 2013.
3. Invited Speaker, "BIM for Infrastructure," *2<sup>nd</sup> International Conference of Civil Engineering, Architecture and Sustainable Infrastructure*, Zhengzhou, China, July 13-15, 2013.
4. Invited Speaker, "Intellectual Property Rights in Academia," *CIB W078-W102 28<sup>th</sup> International Conference on IT in Construction*, Sofia Antipolis, France, October 27, 2011.
5. Invited Speaker, Virtual Design and Construction," *Proceedings CIB W-78 27<sup>th</sup> International Conference on IT in Construction*, Cairo, Egypt, November 17, 2010.
6. Invited Speaker, "All About BIM," Government and Public Sector Engineers, Amman, Jordan, October 10, 2010.
7. Invited Speaker, "All About BIM and Case Studies," Jordan Society of Engineers, Amman, Jordan, October 9, 2010.
8. Invited Speaker, "All About BIM and Case Studies," Habtoor-Leighton Group, Dubai, UAE, October 7, 2010.
9. Invited Speaker, "All About BIM and Case Studies," UAE Society of Engineers, Dubai, UAE, October 7, 2010.
10. Invited Speaker, "All About BIM and Case Studies," Habtoor-Leighton Group, Abu Dhabi, UAE, October 6, 2010.
11. Invited Speaker, "All About BIM in Education," Lecture Series, University of Sharjah, Sharjah, UAE, October 6, 2010.
12. Invited Speaker, "All About BIM and Case Studies," Habtoor-Leighton Group, Abu Dhabi, UAE, October 6, 2010.
13. Invited Panelist, "Innovation in Civil Engineering Education Panel: Global Opportunities and Challenges," *International Conference on Computing in Civil and Building Engineering (ICCCBE 2010)*, July 1, 2010, Nottingham, UK.
14. Invited Speaker, "BIM in Education: What is happening in Colleges and Universities?," *Ecobuild & AEC-ST BuildingSmart Alliance Conference*, Washington, DC, December 8-10, 2009.
15. Invited Panelist, "BIM in Education: An Information Exchange for Educators and Industry-Focus on Southern Universities," *Ecobuild & AEC-ST buildingSmart Alliance Conference*, Washington, DC, December 8-10, 2008.
16. Invited Speaker, "Commissioning, Higher Education and Educational Facilities," *Southeast Region Building Commissioning Association Conference*, Gainesville, FL, April 17, 2007.
17. Invited Lecturer, "The Latest Developments in Safety, Sustainability, Technology, and Management in Construction," *British Petroleum*, in Baku, Azerbaijan, February 19-24, 2006.

18. Distinguished Lecturer, "3D Building Components Formalization For Reconciling Non-Compliant Specifications," Donaghey College of Information Science & Systems Engineering Colloquium, University of Arkansas, Little Rock, November 18, 2005.
19. Issa, R.R.A., "The Rinker School's Electronic Distance Education Master Degree Program," AGC Education Committee, January 8, 2005.
20. Invited Speaker, NSF Workshop on Setting an Academic Research Agenda for the FIATECH Capital Projects Technology Roadmap Initiative in Houston, TX, October 2004.
21. Issa, R.R.A., "BS Fire and Emergency Services," UF Summer Colloquium Series on Homeland Security, June 2004.
22. Issa, R.R.A., "TRIPSS: Information Sharing Technology for Cross-Agency Incident Response," UF Summer Colloquium Series on Homeland Security, June 2004.
23. Flood, I and Issa, R.R.A., "Damage Assessment Using Reverse Modeling," UF Summer Colloquium Series on Homeland Security, June 2004.
24. Flood, I and Issa, R.R.A., "Dynamic Decision-Making in Emergency Environments," UF Summer Colloquium Series on Homeland Security, June 2004.
25. "Impact of World Population Growth on Affordable Housing," Keynote Speech (in Spanish), URVI 98, 9th Rinker International Conference on Affordable Housing, October 4-6, 1998.
26. "Damage in the Aftermath of Hurricane Andrew," presented to the College of Architecture faculty; the Jacksonville, FL City Council; and the various chapters of the AIC, ABC, AGC, and the Florida Roofing and Sheet Metal Contractors Association, 1992-1993.
27. "Neural Networks in Engineering Applications," *Proceedings ACS Southeast Regional Meeting*, St. Augustine, FL, November 2-3, 1992.
28. "Protecting Your Proprietary Rights in Software," Friday Seminars Series, Department of Computer Science and Statistics, Univ. of Southern Mississippi, Hattiesburg, MS, April 4, 1992.
29. "Expensive Yazoo Clay," Homebuilders Meeting, Hattiesburg, MS, February 7, 1992.
30. "Microcomputer Analysis of Guyed Towers as Lattices," Structural Congress V, New Orleans, LA, September 15-18 1986.
31. "Copying Computer Software for Educational Purposes," President's Technology Roundtable, Memphis State University, April 1984.
32. "Design Oriented Analysis of Guyed Towers," Fall Meeting of the Mississippi Section of ASCE, Jackson, MS, October 16, 1981.

### **Small Business Workshops**

1. "Inventory Control: Setting Up, Maintaining, and Assessing An Inventory System, UCED/MVSU Workshop, April 14, 1988.
2. "The Use of Electronic Spreadsheets in Small Businesses," UCED/MACE Workshop,

Greenville, MS, May 6, 1987.

3. "How to Write a Business Plan: Using the Computer to Generate A Cash Management Plan," UCED/MVSU Workshop, April 18, 1987.
4. "The Coming of High Tech in The Delta: Computers in Businesses and on Farms," UCED/MVSU Workshop, April 27, 1987.

### Book Reviews

1. Albern, William F., **Factory Constructed Housing Developments**, CRC Press, 2001.
2. Samuels, Brian, **Construction Law**, Prentice-Hall, Inc., 1994
3. Paulsen, Boyd C., **Computer Applications in Construction**, Prentice-Hall, 1994.
4. Smith, R, **Fundamentals of Steel Design - LRFD**, Delmar Publishers, 1993
5. McCarthy, David, F, **Essentials of Soils Mechanics and Foundations**, 4<sup>th</sup> Ed., Prentice Hall, Inc., 1992.

### Articles About or References Made in Publications

1. **The 1999 US Construction Industry Training Report**, FMI Corporation, Raleigh, NC, 1999, 29 pp.
2. **Return on Investment (ROI) Analysis of Education and Training in the Construction Industry**, Report No.6, Center for Construction Industry Studies, The University of Texas-Austin, March 1999, 35 pp.
3. **Engineering News Record**, McGraw-Hill, *Labor: Craft Training Pays Off Quickly*, Third Quarterly Cost Report, Sept. 28, 1998, pp. 28-30.
4. **Engineering News Record**, McGraw-Hill, *Craft Training: Researchers Try to Determine Return on Investment*, Nov. 10, 1997, 13 pp.

### UF GRANTS (as PI/Co-PI: 1992 - .. )

UNFUNDED TOTAL: \$ 24,658,512    PENDING TOTAL: \$ 534,614    FUNDED TOTAL: \$6,692,019

CyberSEES: Type I: Adaptive Ventilation Management Cyber-System for Energy Efficiency in Buildings Using Video Segmentation as Graph Partitioning (2014 Pending: NSF) 399,367

EXP: Cyber-ART: Augmented Reality Technology to Enhance Spatio-Temporal Cognitive Ability in Construction Engineering and Management Learning (2014 Pending: NSF) 399,226

Collaborative Research: Planning Grant: I/UCRC for Center for the Sustainable Delivery of Next-Generation Healthcare Facilities (2014 Pending: NSF) 11,500

nD Capsules: Boundary Objects To Connect Contextual Information In Informal Learning Environments Using Augmented Reality Technologies (2014 Pending: NSF) 268,295

Event Specific Patient Tracking Number (ESPTN) (2013 Pending: FDOT)	128,806
Cyber-Analyzer: Building Learning Environments For Construction Engineering and Management Education to Enhance Spatio-Temporal Cognitive Ability Through Augmented Reality Technology (2013 Pending: NSF)	406,808
Collaborative Research: Cyber-Constructor: Enhancing Spatial and Temporal Cognitive Ability in Construction Education through Augmented Reality (2013 Funded: NSF)	199,921
CPS: Synergy: Reducing Energy Consumption of Commercial Buildings using Intelligent Control and Coordination of Active Systems (2013 Not Funded: NSF)	836,950
VOSS: Flexible And Adaptive Dynamic Capabilities Of Virtual Teams Collaborating In Project-Based Organizations (2013 Not Funded: NSF)	199,963
EXP: Cyber-Analyzer: Web-Enabled Learning Environments for Construction Management Education to Enhance Spatial And Temporal Cognitive Ability by Using Augmented Reality Technology (2013 Not Funded: NSF)	287,984
Franchising Support for Traffic Records Injury Prevention Program (TRIP) - Phase II (2012 Funded: FDOT)	106,855
CPS: Breakthrough: Reducing Energy Consumption of Commercial Buildings using Intelligent Control and Coordination of Active Systems (2012 Not Funded: NSF)	730,827
Enabling Processes for Resilience in Decision-Making in Responding to Information Inconsistencies and Disruptive Ambiguities through a Network of Project Actors (2012 Not Funded: NSF)	449,829
Flexible and adaptive dynamic capabilities of virtual teams collaborating in project-based organizations (2012 Not Funded: NSF)	399,279
DASH - Data Acquisition and Sharing in Support of Traffic Injury Prevention Program (TRIP) (2011 Funded: FDOT)	158,193
Energy Conservation Features of New Homes in Florida (2011 Funded: DCA)	21,542
Enabling Processes for Resilience in Decision-Making in Responding to Information Inconsistencies and Disruptive Ambiguities through a Network of Project Actors (2011 Not Funded: NSF)	449,829
Best Practices for Quality Management of Utility Pipeline Construction (2011 Funded: FDOT)	129,896
SEMANTICON: A Cyberinfrastructure-Based Social Network System Built to Enable a New Knowledgeable And Savvy Workforce Interface for Using Cyber Resources on Construction Projects (2011 Not Funded: NSF)	449,943
Benchmarking of Manual Design Review Documentation Practices for Future Comparison to The Projnet <sup>sm</sup> Document Management System (2011 Funded: CERL)	19,829

Collaborative Research: CI-TEAM Demo: Augmented Classroom Learning Using a Cyberinfrastructure, Case-based Active Learning Environment(2011 Not Funded: NSF)	129,172
Traffic Records Information Repository and Analysis System (2010 Funded: FDOT)	153,577
Collaborative Research:Teaching and Learning of Construction Site Constraints through Augmented Virtual Field Trips (aVFT) (2010 Not Funded: NSF)	323,064
Building Information Modeling Immersive Visualization Lab (2010 Funded: UF CIO)	194,325
Energy Conservation Features of New Homes in Florida (2010 Funded: MAF)	19,631
Energy Conservation Features of New Homes in Florida (2010 Funded: DCA)	19,094
Technical Subtopic 3.1: Optimized Split Blind Solution for Net-Zero Energy Buildings (2009 Not Funded: DOE)	620,343
Optimized IntelligentControl System For Split Blinds and Interior Lighting (2009 Not Funded: NIST)	375,513
Automated Split Blind and Lighting Control System (2009 Not Funded: NSF)	320,257
Integration of Building Information Modeling and Designing for Construction Worker Safety (2009 Not Funded: NSF)	315,103
CDI Type II: Graph-Based Concept Modeling for Cross-Domain Knowledge Integration (2009 Not Funded: NSF)	1,200,064
Traffic Records Information Repository and Analysis System (2009 Funded: FDOT)	149,899
Energy Conservation Features of New Homes in Florida (2009 Funded: DCA)	18,320
Application of Building Information Modeling and Designing for Construction Worker Safety (2009 Not Funded: NIOSH)	358,143
Automated Split Blind and Light Control System (2009 Not Funded: NSF)	299,800
Integration of Building Information Modeling and Designing for Construction Worker Safety (2009 Not Funded: NSF)	243,952
Analysis of NBIMS for Comprehensive Coverage of Environmentally Sustainable Design, Construction and Operation Processes and Practices (2009 Not Funded: USGBC)	149,916
Coating and Lining Assessment for Wastewater Structures (2009 Funded: Kerneos, Inc.)	99,245
CI-TEAM Implementation: Educating a Competitive, Cyber Infrastructure Savvy Engineering and Construction Workforce (2008 Funded: NSF)	1,000,000

Framework for the Integration of Building Information Modeling and Designing for Construction Worker Safety (2008 Not Funded: Pankow Foundation)	243,952
Protocol for Experimental Testing of the Exterior Aluminum Louvers Manufactured by Superior Window Corporation, Miami, FL (2008 Not Funded: Superior Window)	70,000
Automated Split Blind and Light Control System (2008 Not Funded: NSF)	297,952
Application of Building Information Modeling in Designing for Construction Worker Safety (2008 Not Funded: NIOSH)	298,000
Traffic Records Information Repository and Analysis System (2008 Funded: FDOT)	121,754
Creating a Building Information Modeling Curriculum for the AGC of America (2008 Not Funded: AGC)	414,000
Gulf Coast Rebuild Initiative Web Application Development (2007 Funded: NCCER)	10,000
Traffic Related Injury Prevention Program (TRIPP) (2007 Funded: FDOT)	170,000
CDI Type II: Graph-Based Concept Modeling for Cross-Domain Knowledge Integration (2007 Not Funded: NSF)	1,166,390
Collaborative Research: CI-TEAM Implementation: Interdisciplinary Curricula for Sensor Computing Education and Training (2007 Not Funded: NSF)	507,982
INTEROP: An infrastructure for the Community Development of Green Building Ontology (2007 Not Funded: NSF)	749,170
The Context Aware Dynamic Urban Planning System (2007 Not Funded: NSF)	2,250,000
Intelligent CONstruction (ICON) Lab Project (2007 Not Funded: UK Research Authority)	1,720,000
Context Aware Virtual Prototyping in Construction (2007 Not Funded: UK Research Authority)	1,500,000
Gulf Coast Rebuild Initiative Web Application Development (2007 Funded: NCCER)	29,500
Development of A Project Management Curriculum (2007 Not Funded: AGC)	145,625
BIM: Best Business Practices for Actual Implementation (2007 Not Funded: AGC)	25,000
Development of A Model for Successful Technology Identification, Implementation and Evaluation in Electrical Construction (2007 Not Funded: NECA)	60,000
TRIPP - Traffic Records Information Repository and Analysis System (2007 Not Funded: FDOT)	247,375
PIRE: Sustainable Construction Technologies For Affordable Shelters (2007 Not Funded: NSF)	1,500,000



Agent based Context Aware Services for Multi-Project Management (2007 Not Funded: NSF)	509,882
Developing the Next generation of Artificial Neural Networks for Solving Poorly Defined Problems (2007 Not Funded: NSF)	464,386
Artificial Life Models for Optimal Control of Industrial Processes (2006 Not Funded: NSF)	455,250
Collaborative Research: A Hybrid Strategy for the Integration of Human Oriented Management and Information Technologies (2005 Not Funded: NSF)	358,554
An Analysis of Complaints Filed Against Florida Building Contractors (2005 Funded: FL DCA)	77,500
Non-Metallic Reinforced Stucco Wall Construction (2005 Funded: Degussa Wall Systems)	94,038
ANN-Based Rapid 3D Simulation of Transient Heat-Flow in Houses(2005 Not Funded: NSF)	299,651
Optimizing Industrialized Residential Construction Processes Using Artificial-Life Control Models (2005 Not Funded: NSF)	297,440
Dynamic Decision-Making in Emergency Environments (2005 Not Funded: DHS)	150,000
BS Fire & Emergency Services Program (2005 Not Funded: DHS)	150,000
TRIPSS: Information Sharing Technology for Cross-Agency Incident Response (2005 Not Funded: DHS)	150,000
An Onto-Semantic Framework for Interoperable Construction Workflows (2004 Not Funded: NSF)	329,654
Distance Delivery Of College Level Fire Prevention Course To Future FES Leaders (2004 Not Funded: NIJ)	72,756
The Development of a Data Exchange Standard for the AGC:AGCXML(2004 Not Funded: AGC)	95,480
Best Practices Of Change-Aware Project Systems (2004 Not Funded: CII)	188,694
Determination Of The Most Frequently Found Florida Building Code Violations By Plan Reviewers And Building Inspectors (2004 Funded: FL DCA)	26,800
ITR: Flexible and Dynamic Workflow Design: Theory & Practice (2004-8 Funded : NSF)(\$2,694,595)	599,839
ANN-Based Coarse-Grain Method for Hyper Real-Time Simulation of Transient Heat in Buildings (2004 Not Funded: NSF)	298,012

Hyper Real-Time Simulation of Fire Propagation through Structures Using ANN-Based Coarse-Grain Modeling (2004 Not Funded: NSF)	301,192
CGM (Coarse-Grain Method): A New Technique for Rapid and Accurate Simulation of Fire Propagation through Buildings using Artificial Neural Networks (2004 Not Funded: NIST)	166,690
CGM (Coarse-Grain Method): A Novel Technique for Rapid Simulation of Transient Heat Flow in Buildings using Artificial Neural Networks (2003 Not Funded: ASHRAE)	99,111
Determining the Requirements for Data Standards to Support Processes in the Steel Construction Supply Chain (2003-5 Funded: NIST)	101,348
Simulating the Thermal Performance of Buildings using Course-Grain Modeling (2003 Funded: Dean's Office)	2,000
Flexible Production Networks Phase II: SEEK – Scalable Extraction of Enterprise Knowledge(2001-4 Funded: NSF)	638,925
Training Development for the Florida Building Code (2001 Funded: FL DCA)	1,000,000
Building Code Curricula Development –Addenda I & II (2001 Funded: FL DCA)	4,500
Simulating The Thermal Performance Of Buildings Using Artificial Neural Networks (2001 Funded: Certainteed Corp.)	35,000
Building Code Curricula Development (2000 Funded: FL DCA)	161,385
Developing State Fire College WWW III (2000 Funded: FL. Insurance Commissioner)	15,000
International Construction Management Distance Education Marketing Plan (2000 Funded: Rinker Fund)	400,000
Theory and Methodologies to Support the Operation of Flexible Production Networks (2000 Funded: NSF)	199,940
Simulating The Thermal Performance Of Residential Buildings Using Artificial Neural Networks (2000 Not Funded: NSF)	148,773
Development of An Artificial Neural Network to Predict Residential Energy Consumption Based on Energy Performance Predictors (2000 Not Funded: NSF)	99,857
Master of International Construction Management Marketing Plan (1999 Funded: Rinker Fund)	20,000
Florida Emergency Services Instructional Network II (1999 Funded: FL Insurance Commissioner)	20,000
Developing State Fire College WWW II (1999 Funded: FL. Insurance Commissioner)The International Electronic Journal of Construction (1999 Funded:	15,000

Rinker Fund)	
Electronic Text Book (1999 Funded: Holland Fund)	202,663
Florida Emergency Services Instructional Network (1998 Funded: FL. Insurance Commissioner, \$681,000 Direct Equipment Purchase Grant)	17,633
Study Of The Return On Investment Of Crafts Training (1998 Funded: NCCER)	172,303
Development of Multimedia Based Textbook for Construction (1998 Not Funded: NSF)	11,352
Study Of The Return On Investment Of Crafts Training (1997 Funded: NCCER)	252,622
Developing State Fire College WWW and Distance Learning Capabilities (1997 Funded: FL. Insurance Commissioner)	12,800
Florida State Fire College Distance Learning Curriculum Development (1997 Funded: FL. Insurance Commissioner)	19,110
Development of Testing Criteria for Full-Scale Hurricane Wind Testing of Residential Construction (1997 Funded: Lockheed-Martin)	25,000
European Community/USA Joint Consortia for Cooperation in Higher Education: Consortium with University of Manchester Institute of Science and Technology (1997 Not Funded: FIPSE)	40,000
Development of Multimedia Based Textbook for Construction (1997 Not Funded: NSF)	129,876
SCR&A Industry Research (1996 Funded: SCR&A Foundation)	252,622
CIB Web Page Development (1995 Funded: CIB)	38,000
Establishing a High Technology Industry in Palestine (1996 Funded: PNA)	20,000
Developing State Fire College WWW and Distance Learning Sites (1996 Funded: FL. Insurance Commissioner)	20,000
Florida Fire Service Assessment Of Educational Needs (1996 Funded: FL Insurance Commissioner)	15,170
Florida Department of Community Affairs. Training Grant for Energy Inspectors. (1995 Funded: DCA)	34,617
Florida Department of Community Affairs. Florida Energy Evaluation Statistics for 1987-1993. (1994 Funded: DCA)	10,342
Pre-Freshman Enrichment Program. (1992-93 Funded: US DOE)	47,606
Minority Research Initiation Planning Grant for Discrete Field Dynamic Stability	40,000
	12,000

Analysis of Three-Dimensional Lattices. (1992 Funded: NSF)

## **WORKSHOPS**

- UC Berkeley-Stanford National Science Foundation CE&M Workshop: Defining a Research Agenda for AEC Process/Product Development in 2000 and Beyond, Stanford, Palo Alto, CA, Aug. 25-29, 1999.
- NCCER National Construction Image Summit, Atlanta, GA, September 8-9, 2000.
- Setting an Academic Research Agenda for the FIATECH Capital Projects Technology Roadmap Initiative, Houston, TX, Oct. 13-15, 2004.

## **EDITOR/CO-EDITOR**

- ASCE Journal of Computing in Civil Engineering, Special Issue on 2011 Computing in CE.
- ASCE Journal of Computing in Civil Engineering, Special Issue on 2012 Computing in CE.
- ASCE Journal of Computing in Civil Engineering, Special Issue on 2014 Computing in CE.

## **REVIEWER**

- Associate Ed., International *e*-Journal of Construction.
- ASCE Journal of Computing in Civil Engineering
- ASCE Journal of Construction Engineering and Management
- ASCE Journal of Management in Engineering
- ASCE Journal of Professional Issues in Engineering Education and Practice
- Automation in Construction
- Advanced Engineering Informatics
- ITCON Journal
- AEC Conferences
- CIB W78 IT in Construction Conferences
- Construction Virtual Reality (CONVR) Conferences
- European Group for Intelligent Computing in Engineering (EG-ICE) Conferences
- ASCE Computing Conferences
- ASCE Construction Congress
- International Conferences on Computing in Civil and Building Engineering (ICCCBE)

## **ACADEMIC CONSULTANT/REVIEWER**

- Transportation Research Board, National Academies of the USA
- National Science Foundation
- Commission for Academic Accreditation, UAE Ministry of Higher Education & Scientific Research
- Qatar National Research Fund Reviewer (2007 - )
- National Cooperative Highway Research Program Project 10-96: *Civil Integrated Management: Benefits and Challenges (TRB130528)*, 2013-

## **ORGANIZATIONS**

- American Arbitration Association (**AAA**)
- American Concrete Institute (**ACI**)
- Pan American Academy of Engineering (**API**)
- Association for Computing Machinery (**ACM**)
- American Society of Civil Engineers (**ASCE**)
- International Council for Building Research Studies and Documentation (**CIB**)
- Institute of Electrical and Electronics Engineers (**IEEE**) Computer Society
- Sigma Lambda Chi, Construction Honorary

- Chi Epsilon, Civil Engineering Honorary
- Phi Alpha Delta International Law Fraternity
- Iota Gamma Chapter, Sigma Nu

## HONORS AND AWARDS

- Pan American Academy of Engineering (2012)
- ASCE Computing in Civil Engineering Award (2012)
- University of Florida Research Foundation Professor (2011-2014)
- Runner up, MG Augustus M. Minton Award, Best Air Force Civil Engineering (AFCE) Magazine Article of 2008 for “BIM in the U.S. Air Force” **Air Force Civil Engineer**, Vol 16
- Fellow American Society of Civil Engineers (2009)
- “2<sup>nd</sup> Best Paper Award”, International Conference on *Innovation in AEC (AEC 2010)*, June 9-11, 2010, Penn State, University Station, PA, for the paper: “Quantitative Benefits of Building Information Modeling Measured in Construction.”
- USAF Major General Augustus M. Minton Award for Outstanding AFCE Article (2008)
- UFRF Research Professor (2000-2003)
- College Academic Advisor of the Year Award (2004-2005)
- College Ph.D. Mentor Award
- James F. Lincoln Arc Welding Found. 1982 Grad. Student (Div. I, Structural) 2nd Award
- Outstanding Civil Engineering Senior (1976)
- Outstanding Young Man in America
- MSU Engineering Hall of Fame
- Who's Who in American Colleges and Universities
- Who's Who In American Law Schools
- Best Moot Court Brief Award
- ASEE/NASA 1992 Summer Fellow

## CONFERENCE CHAIR/CO-CHAIR

- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, 6-10, 2010.
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, December 5-9, 2011.
- Co-Chair, ASCE Workshop on Computing in Civil Engineering, Miami, FL June 19-21, 2011.
- Chair, Project and Construction Management Track, Winter Simulation Conference, Phoenix, AZ, December 11-14, 2011
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, December 8-10, 2012.
- Chair, ASCE Conference on Computing in Civil Engineering, Clearwater Beach, FL June 17-20, 2012.
- Chair, CIB W078 Conference, Beirut, Lebanon, October 17-19, 2012.
- Chair, Applications in Construction Track, Winter Simulation Conference, Berlin, December 8-15, 2012.
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, January 7-11, 2013.
- Co-Chair, UPADI Education Committee Workshop, Medellin, Colombia, August 19-23, 2013.
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, January 6-10, 2014.
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, January 6-10, 2014.
- Chair, International Conference on Computing in Civil and Building Engineering/ASCE

Conference on Computing in Civil Engineering/CIB W078 IT in Construction, Orlando, FL, June 23-25, 2014.

## CONFERENCE ORGANIZING/SCIENTIFIC COMMITTEES

- ASC Southeast Regional Meeting, St. Augustine, FL, Nov 2-3, 1992.
- CIB W89 Beijing International Conference on Construction Education and Modernization, Beijing, China, Oct. 21-24, 1996.
- Chair, Eighth Annual Rinker International Conference on Technology Innovation and Integration TG 24, Gainesville, FL, Feb. 19-20, 1998.
- Information Technology in CE Symposium, Washington, DC, Nov. 1-3, 2002.
- Scientific Committee, CONVR 2003, 3<sup>RD</sup> International Conference on Construction Applications of Virtual Reality, Virginia Tech, Blacksburg, VA, Sept. 24-26, 2003.
- Scientific Committee, 4<sup>th</sup> ASCE International Symposium on Information Technology in Civil Engineering, Nashville, TN, Nov. 15-16, 2003.
- Scientific Committee, CONVR 2004, 4th International Conference on Construction Applications of Virtual Reality, Lisbon, Portugal, Sept. 14-15, 2005.
- Scientific Committee, CONVR 2005, 5th International Conference on Construction Applications of Virtual Reality, University of Teesside, Durham, UK Sept. 12-13, 2005.
- Chair, CONVR 2006, 6th International Conference on Construction Applications of Virtual Reality, Orlando, FL, August 3-4, 2006.
- Chair, International Conference on Construction and Real Estate Management (ICCREM2006), Orlando, FL, October 4-6, 2006.
- Construction Research Congress, 2007, Freeport, Bahamas
- Scientific Committee, CONVR 2007, 7th International Conference on Construction Applications of Virtual Reality, Penn State, Pa, August 3-4, 2007.
- Scientific Committee, CONVR 2008, 6th International Conference on Construction Applications of Virtual Reality, Kuala Lumpur, Malaysia, October 17-24, 2008.
- Scientific Committee, EGICE 2008, Plymouth, UK.
- Scientific Committee EG-ICE 2009, Berlin, Germany
- Technical and Scientific Committee, ASCE IT 2009, Austin, TX.
- Scientific Committee W78 2009, Istanbul, Turkey.
- International Conference on Construction & Real Estate Management Collaboration in Crisis, 2009.
- International Steering Committee ICCCBE 2010, The University of Nottingham, UK.
- Scientific Committee CIB W78 2010, Cairo, Egypt.
- Scientific Committee CIB W78 2011, Sofia-Antipolis, France.
- Scientific Committee EG-ICE 2011, Twente, Netherlands.
- Co-Chair, ASCE Workshop on Computing in Civil Engineering 2011, Miami, FL.
- Chair, Project and Construction Management Track, 2011 Winter Simulation Conference, Phoenix, AZ.
- Chair, ASCE Conference on Computing in Civil Engineering 2012, Clearwater Beach, FL.
- Scientific Committee EG-ICE 2012, Helsing, Germany.
- Chair, CIB W078 Conference, Beirut, Lebanon, October 17-19, 2012.
- Chair, Applications in Construction Track, 2012 Winter Simulation Conference, Berlin.
- Chair, BIM Academic Workshop, National Institute of Building Sciences, Washington, DC, 2013.
- Scientific Committee EG-ICE 2013, Vienna, Austria.
- Scientific Committee CIB W78 2013, Beijing, China.
- Scientific Committee ASCE Computing in CE Workshop 2013, Los Angeles, CA.
- Scientific Committee Can. Society of CE 4th Construction Specialty Conf. 2013, Montreal, CA.

## **UNIVERSITY GOVERNANCE AND SERVICE**

- UF:**
- Academic Technology Fee Committee, 2010, 2011, 2012, 2013.
  - Academic Freedom, Tenure, Professional Relations and Standards Committee, 2013-
  - Senate Faculty IT Subcommittee, 2012-
  - Mobile Computing Committee, 2012-
  - Contact Management Software (CMS) Selection Committee
  - Director of Computing Search Committee
  - Graduate Curriculum Committee, Member
  - ITAC - Academic Technology Subcommittee, Chair;
  - ITAC - Academic Technology Subcommittee, Copyright Committee, Chair;
  - UF Distance and Continuing Education Advisory Committee, Member;
  - DSR Research Advisory Board, Member;
  - Graduate Deans Council, Member;
  - Gartner Group Committee, Member;
  - NERDC I & R Users Committee, Member;
  - Faculty Senate, Member;
  - LEXIS/NEXIS Committee, Member;

- DCP:**
- Computing Committee, Chair, 2012
  - Computing Committee, Member, 1992-2012
  - College Faculty Council, Chair, 2012-2013
  - College Faculty Council, Member, 2011-
  - Administrative Council, Member, 2011-2013
  - T&P Committee, Member, 2010 –2013
  - Ph.D. Committee, Member, 1999-2007;
  - College of Architecture Miami Beach Advisory Board;
  - College of Architecture Ph.D. Admission Committee, Chair;
  - College of Architecture Ph.D. Student Association, Advisor;

- BCN:**
- Computing committee
  - Graduate Committee
  - Professional Dresscode Committee
  - Distance Education Committee
  - Strategic Plan Committee
  - Mentoring Committee (Minchin, Olbina, Sullivan)
  - Director of Graduate and Distance Education
  - Director, Center for Advanced Construction Information Modeling
  - Industrial Relations Advisory Board, Member
  - Scholarship Committee, Chair;
  - Construction Science Committee, Chair;
  - Graduate Admissions Committee, Chair;
  - Director Search Committee (1996), Chair;
  - Faculty Advisory Committee, Member;
  - Rinker Hall, Owner's Representative
  - Perry Construction Yard, Owner's Representative
  - Rinker Hall Building Committee, Member

## **PROFESSIONAL COMMITTEES**

- American**
- Technical Activities Council Executive Committee, Member & Liaison to TCCIT;

- Society Of Civil Engineers:**
- Representative, US Joint NSPE/ASCE/ASME Task Force on UPADI (Pan American Assoc. of Engineering Societies) ;
  - UPADI Technical Council, Vice President
  - Sr. Associate Editor, ASCE Journal of Computing in Civil Engineering
  - UPADI Education Committee, Member;
  - UPADI Information and Communication Committee, Member;
  - Construction Research Council, Member;
  - Structural Institute, Member;
  - International Committee, Member;
  - TCCIT Executive Committee, Member, Secretary, Vice-Chair, Chair, Past-Chair;
  - TCCIT Artificial Intelligent Computing Committee Member, Secretary, Vice-Chair, Chair;
  - TCCIT Committee on Computing in Education, Member, Secretary, Vice-Chair, Chair;
  - TAC Emerging Technology Committee, Member.
  - International Society for Computing in Civil and Building Engineering (ICCBE), BOD Member
- NCCER:**
- National Center for Construction Education and Research, BOD Member
- CIB:**
- TG 24 Virtual Reality in Construction, Chair ;
  - W78 Information Technology in Construction, Member.