

CURRICULUM VITAE

James P. Smith

Assistant Professor, School of Technology – Construction and Facilities Management
Brigham Young University, Provo, Utah, 84602
james_smith@byu.edu ; 801-885-0422

EDUCATION

Texas A&M University	PhD, Architecture, 2013
Smith, J. P. (2013). “Trust-Building in the Construction Delivery Process: A Relational Look-ahead Tool for Increasing Trust,” PhD Dissertation, Texas A&M University	
Brigham Young University	MS, Construction Management, 2010
Smith, J. P. (2010). “Best Practices for Dealing with Price Volatility in Utah’s Residential Construction Market,” MS Thesis, Brigham Young University	
Brigham Young University	BS, Construction Management, <i>cum laude</i> , 2003

AREAS OF INTEREST

Trust, integrated project delivery and relational contracting, lean construction, sustainable construction and processes, interdisciplinary classrooms and relations management.

PROFESSIONAL EXPERIENCE

Brigham Young University Construction and Facilities Management College of Engineering Provo, UT	Assistant Professor 2016-Present
Clemson University Department of CSM College of Architecture, Arts and Humanities Clemson, SC	Assistant Professor 2013-2016
Texas A&M University Department of Construction Science College of Architecture College Station, TX	Teaching and Research Assistant 2010-2013
Brigham Young University Department of Construction Management College of Engineering Provo, UT	Teaching and Research Assistant 2009-2010
Silver Creek Development Group Provo, UT	Senior Project Manager 2005-2009
Pulte Corp/Dell Webb Las Vegas, NV	Senior Manager of Customer Relations 2003-2005

RESEARCH

Peer-reviewed journal articles, published

Farnsworth, C., **Smith, J.P.**, Bingham, E.D. (2021). "A Cross-Sectional Study Exploring IJCER Impact in Construction Scholarship." *International Journal of Construction Education and Research*, Volume 1st Quarter/Winter

Tagg, M., **Smith, J. P.**, Christofferson, J. P., Miller, K. R. (2019). "Building Information Model-Based Quantity Takeoff – Leadership Support and Training." *The Professional Constructor*, Volume 44 (2), pp. 30-40

Burgett, J. M., Perrenoud, A. J., **Smith, J. P.** (2017). "Identification and Prioritization of Critical Subject Matter within Mechanical Systems Curriculum in Construction Management Education." *International Journal of Construction Education and Research*, DOI: 10.1080/15578771.2017.1372535

Burgett, J. M., **Smith, J. P.**, Lavang, Y. (2016). "A Comparison between Industry's and Academia's Perceptions of a Career in Construction Education." *International Journal of Construction Education and Research*, DOI: 10.1080/15578771.2016.1191561

Smith, J. P., Miller, K., Christofferson, J., Hutchings, M. (2011). "Best Practices for Dealing with Price Volatility in Utah's Residential Construction Market." *International Journal of Construction Education and Research*, Volume 7 (3), pp. 210-225

Peer-reviewed journal articles, submitted

Bingham, E.D, Farnsworth, C.B., Warr, R.O., **Smith, J.P.** (2020). "Identifying Challenges to Project Outcomes from a Transportation Project Owner Perspective." *The Professional Constructor*, TBD

Smith, W., **Smith, J.P.**, Bingham, E.D. (2020). "Current State of Practice Associated with the Use of Building Information Modeling (BIM) in the Custom Home Building Industry." *International Journal of Construction Education and Leadership*, TBD

Farnsworth, C.B., **Smith, J.P.**, Bingham, E.D. (2020). "A Cross-Sectional Study Exploring IJCER Impact in Construction and Education Scholarship." *International Journal of Construction Education and Research*, TBD

Christofferson, D.L., Farnsworth, C.B., Bingham, E.D., **Smith, J.P.** (2020). "Considerations for Creating Library Learning Spaces Within a Hierarchy of Learning Space Attributes." *The Journal of Academic Librarianship*, TBD

Petrinovich, C.A., Farnsworth, C.B., **Smith, J.P.**, Weidman, J.E., Bingham, E.D. (2020). "Roof System Suitability for IT Mission-Critical Facilities." *The Journal of Facility Management Education and Research*, TBD

Bingham, E.D., Farnsworth, C.B., **Smith, J.P.** (2020). "Evidence-Based Design in Hospital Renovation Projects – A Study of Design Implementation for Patient Privacy and Comfort." *Journal of Architectural Engineering*, TBD

Peer-reviewed conference proceedings, published

Jenkins, G., **Smith, J.P.**, Bingham, E., & Weidman, J. (2020). "Implementation of Integrated Project Delivery Practices in U.S. Residential Construction." In: Tommelein, I.D. and Daniel, E. (eds.). Proc. 28th Annual Conference of the International Group for Lean Construction (IGLC28), pp. xx-xx, doi.org/10.24928/2020/125. Online at iglc.net.

Smith, J.P., Bingham, E., Farnsworth, C. (2020) "Multi-Disciplinary Teams – the Continuing Challenge to Collaborate in the Classroom." Submitted to *56th Annual International Conference of the Associated Schools of Construction*, Liverpool, England. April 15-18.

Farnsworth, C., Bingham, E., **Smith, J.P.** (2020) "Recent Relative Trends Associated with ASC Annual Conference Proceedings." Submitted to *56th Annual International Conference of the Associated Schools of Construction*, Liverpool, England. April 15-18.

Bingham, E., Farnsworth, C., **Smith, J.P.** (2020) "Comparison of Construction Scheduling Perspectives from General Contractors and Subcontractors: An Analysis of Current Tools and Practices." Submitted to *56th Annual International Conference of the Associated Schools of Construction*, Liverpool, England. April 15-18.

Farnsworth, C., Bingham, E., **Smith, J.P.** (2020) "Relative Trends Associated with the International Journal of Construction Education and Research." Submitted to *56th Annual International Conference of the Associated Schools of Construction*, Liverpool, England. April 15-18.

Bingham, E., Weidman, J., **Smith, J. P.** (2020). "Measuring Impact of a Construction Industry Lecture Series." In: *Proceedings of the 2020 ASCE Construction Research Congress*, Tempe, AZ.

Solhjou Khah, F., Rybkowski, Z. K., Pentecost, A. R., **Smith, J. P.**, Muir, R., (2019). "Development and Testing of an Innovative Architectural Programming Simulation as a Precursor to Target Value Design." In: *Proceedings of the 27th Annual Conference of the International Group for Lean Construction*, Dublin, Ireland, 3-5 Jul 2019. Pp. 515-526. Available at: <www.iglc.net>.

Smith, W. P., **Smith, J.P.**, Bingham, E., (2019) "Building Information Modeling in the Custom Home Building Industry." In: *Proceedings of the 55th Annual International Conference of the Associated Schools of Construction*, Denver, CO. April 10-13.

Smith, J.P., Burgett, J.M., Natarajan, K. (2019) "Review of the Current State of Hiring International Engineering students." In: *Proceedings of the 55th Annual International Conference of the Associated Schools of Construction*, Denver, CO. April 10-13.

Smith, J.P., Burgett, J.M., Venugopal, A. (2018). "Work Values of Millennial Construction Management Students." In: *54th Annual International Conference of the Associated Schools of Construction*, Minneapolis, MN, April 18-21.

Bingham, E., **Smith, J.P.** (2017). "Using Competition to Accelerate Student Learning and Improve Student Outcomes: The Beam Break Competition." In: *Proceedings of the 2017 ASEE Rocky Mountain Section Conference*, Provo, UT.

Thameem, M., Rybkowski, Z., Fernandez-Solis, J., **Smith, J. P.** (2017). "Delivery Methods and Social Network Analysis of Unethical Behavior in the Construction Industry." In: *Proceedings of the 2017 Lean and Computing in Construction Congress LC3*, Volume 3, Heraklion, Greece.

Smith, J. P., Ngo, K. (2017). "Implementation of Lean Practices Among Finishing Contractors in the US." In: *Proceedings of the 2017 Lean and Computing in Construction Congress LC3*, Volume 3, Heraklion, Greece.

Bhaidani, N., Rybkowski, Z., **Smith, J. P.**, Choudhury, I., Hill, R. (2016). "Percent Planned Complete: Development and Testing of a Simulation to Increase Reliability in Scheduling." In: *Proceedings of the 24th Annual Conference of the International Group for Lean Construction*, Boston, MA, USA. Available at: <www.iglc.net>.

Smith, J. P. (2015). "A Case Study on Design Science Research as a Methodology for Developing Tools to Support Lean Construction Efforts." *23rd Annual Conference of the International Group for Lean Construction*, 28-31 July, Perth, Australia, available at www.iglc.net

Smith, J.P. (2015). "Lean Theory and Techniques Applied to the Classroom: A Qualitative Study on "Informational One-Piece Flow" in an Undergraduate Estimating Class," *51st Annual International Conference of the Associated Schools of Construction*, College Station, TX, April 22-25

Smith, J.P., Rybkowski, Z., Shepley, M., Smith, J.C., Bergman, M. (2014). "Trust-Builder: A First-Run Study on Active Trust-Building," *22nd Annual Conference of the International Group for Lean Construction*, Oslo, Norway, June 23-27

Smith, J. P., Rybkowski, Z. (2013). "The Maroon-White Game: A Simulation of Trust and Long-Term Gains and Losses," *21st Annual Conference of the International Group for Lean Construction*, Fortaleza, Brazil, July 31-Aug 2

Smith, J. P., Rybkowski, Z. (2012). "Literature Review on Trust and Current Construction Industry Trends," *20th Annual Conference of the International Group for Lean Construction*, San Diego, California, July 18-22

Rybkowski, Z., Munankami, M., **Smith, J.P.**, Kulkarni, A. (2012). "Survey Instrument to Facilitate Continuous Improvement of Lean Teaching Materials: A First Run Study," *20th Annual Conference of the International Group for Lean Construction*, San Diego, California, July 18-22

Kulkarni, A., Rybkowski, Z., **Smith, J. P.** (2012). "Cost Comparison of Collaborative and IPD-Like Project Delivery Methods Versus Competitive Non-Collaborative Project Delivery Methods," *20th Annual Conference of the International Group for Lean Construction*, San Diego, California, July 18-22

Lee, J, **Smith, J.P.**, Kang, J. (2011). "The Role of IFC for Sustainable BIM Data Management," *ISARC2011*, cd-rom, pp. 764-769. (Seoul, Korea)

Peer Reviewer

Invited Peer Reviewer for the following scholarly journals and proceedings:

International Journal of Construction Education and Research – 2020, 2019, 2018, 2017, 2016, 2015, 2012, 2011

Annual Conference for the Associated Schools of Construction – 2020, 2019

Journal of Architectural Engineering – 2018

The Professional Constructor – 2016, 2015, 2014, 2013

Annual Conference of the International Group for Lean Construction – 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2012

Press

Published interview with STRXUR by Bluebeam - <https://www.strxur.com/educator-series-5-james-smith/> (April 2019)

Conference paper, “Literature Review on Trust and Current Construction Industry Trends,” mentioned by Greg Howell, co-founder and managing director of the Lean Construction Institute, as being “particularly useful and/or important” in his post-conference report to the organization. (LCI Update dated 8.1.12)

PRESENTATIONS

- “Developing Trust in Teams and Projects.” 2018 Colorado Association of Healthcare Engineering and Directors (CAHED) Fall Conference, Steamboat Springs, CO (9/14/18); Invited Presenter
- “Work Values and Perceptions of Construction Management Students.” 2018 NAHB Research Meeting, Portland, OR (7/25/18); Invited Presenter
- “Multidisciplinary AEC Courses: A Case Study on the Challenge to Collaborate.” 2017 ASEE Rocky Mountain Section Conference.
- “Trust Builder: A First-Run Study on Active Trust-Building,” Planning, Design and the Built Environment Colloquium, Clemson, SC (9/5/14); Invited Presenter
- “Lean Crash Course,” Balfour-Beatty, Dallas-Fort Worth, TX (6/29, 7/13, 7/27, 8/3, 8/10, 8/16, 8/17, 8/18, 2012); Presenter and co-creator with Dr. Zofia Rybkowski
- “Introduction to Lean,” Balfour Beatty, Dallas-Forth Worth, TX (5/9, 2012); Team taught with Dr. Zofia Rybkowski
- “Introduction to Lean, IPD & TVD: a 3-day workshop,” Penrose/St. Francis Health Services, Colorado Springs, CO (4/26, 4/27 & 4/28, 2012); Team taught with Dr. Zofia Rybkowski and fellow graduate students Aditi Kulkarni, and Manish Munankami
- “Thinking Lean: A workshop,” Sisters of Charity, Leavenworth Health System, Denver, CO (4/26, 4/27 & 4/28, 2011); Team taught with Dr. Zofia Rybkowski and fellow graduate student Joshua Hullum
- “Trust vs. Waste,” Student Research Week 2011, Texas A&M University (3/24/2011)
- “Trust in Construction,” Construction Industry Advisory Council plenary meeting, College Station, TX (4/1/2011)

GRANTS

- *Future Manufacturing: Unfolding the Potential of Origami*, 2020: Collaborative NSF Proposal, not selected for funding
- *Mortenson/Facebook Project*, 2019: \$37,350
- *Development of a Certificate for Integrated Project Delivery*, 2015: \$32,000
- *Richard H. Pennell Center*, 2015: \$5,000
- *Clemson Summer Scholars*, 2015: \$2,025
- *A + CA Pre-Proposal for NSF GOALI Award*, 2014: \$10,000
- *Clemson Architectural Foundation*, 2014: \$500
- *Faculty Research Development Grant*, 2014-2015: \$2,550
- *Clemson Architectural Foundation*, 2013: \$1,500
- *Construction Industry Advisory Council* (research assistant to Dr. Zofia Rybkowski, PI), 2010: \$25,000
 - Presenter and co-developer of CD-based training modules for Lean Construction

TEACHING

COURSES TAUGHT

Winter 2021

CFM 411: Preconstruction

3 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: TBD out of 5.0, 35 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: TBD out of 5.0, 61 students

Fall 2020

CFM 411: Preconstruction

3 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: 4.9 out of 5.0, 22 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.8 out of 5.0, 64 students

Spring 2020

CFM 411: Preconstruction

4 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: 4.8 out of 5.0, 15 students

Winter 2020

CFM 411: Preconstruction

4 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: TBD out of 5.0, 38 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: TBD out of 5.0, 65 students

Fall 2019

CFM 411: Preconstruction

4 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: 4.8 out of 5.0, 23 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.8 out of 5.0, 61 students

Spring 2018

CFM 411: Preconstruction

4 credits, Brigham Young University

Managing preconstruction services including: Building Information Modeling (BIM), competitive bidding strategies, bid analysis, document management, site work, quantity takeoff, and cost estimation.

Student Evaluations: 4.6 out of 5.0, 10 students

Winter 2019

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.5 out of 5.0, 18 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.7 out of 5.0, 46 students

Fall 2018

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.8 out of 5.0, 18 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.8 out of 5.0, 59 students

Spring 2018

CFM 411: Preconstruction

4 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.3 out of 5.0, 12 students

Winter 2018

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.6 out of 5.0, 28 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.85 out of 5.0, 43 students

Fall 2017

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.6 out of 5.0, 19 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.8 out of 5.0, 57 students

Winter 2017

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.7 out of 5.0, 21 students

CFM 105: Introduction to Construction and Facilities Management

3 credits, Brigham Young University

Introduction to construction and facilities management including BIM, estimating, scheduling, and construction calculation methods.

Student Evaluations: 4.6 out of 5.0, 28 students

Fall 2016

CFM 416: Capstone

3 credits, Brigham Young University

Culminating capstone experience which takes a project from inception to facility operation. Students will develop a project proposal in response to an actual Request for Proposals requiring them to utilize knowledge obtained in all previous program courses.

Student Evaluations: 4.2 out of 5.0, 20 students

Spring 2016

CSM 4540: Capstone

6 credits, Clemson University

Students develop a capstone project that entails the knowledge obtained in all previous courses in the Construction Science and Management program. It is a case study of an actual construction project that should pull together and culminate the learning from technical, management and

general courses. The goal is to show how a project is managed, constructed and how all of the entities to the construction project participate in the process.

Student Evaluations: 4.83 out of 5.0, 35 students

Fall 2015

CSM 3510/3511: Estimating 1

3 credits, Clemson University

A study of basic estimating as applied to construction projects. Includes the take-off of material quantities, assigning labor and equipment production rates, and applying material prices, wage rates, and equipment costs to derive a total job cost.

Student Evaluations: 4.6 out of 5.0, 52 students

Spring 2015

CSM 3530/3531: Estimating 2

3 credits, Clemson University

Continuation of basic construction estimating with the additional component of computerized estimating: Includes material, labor and equipment costs, production rates, bid ethics, constructability analysis, and understanding of other types of estimating procedures.

Student Evaluations: 4.62 out of 5.0, 37 students

CSM 8890: Special Problems

3 credits, Clemson University

Special research design problem on a construction-related topic.

Student Evaluations: 4.67 out of 5.0, 1 student

Fall 2014

CSM 3510/3511: Estimating 1

3 credits, Clemson University

A study of basic estimating as applied to construction projects. Includes the take-off of material quantities, assigning labor and equipment production rates, and applying material prices, wage rates, and equipment costs to derive a total job cost.

Student Evaluations: 4.67 out of 5.0, 38 students

CSM 4980: Current Topics in Construction

3 credits, Clemson University

Current topics in construction as related to commercial construction.

Student Evaluations: 4.64 out of 5.0, 6 students

Spring 2014

CSM 3530/3531: Estimating 2

3 credits, Clemson University

Continuation of basic construction estimating with the additional component of computerized estimating: Includes material, labor and equipment costs, production rates, bid ethics, constructability analysis, and understanding of other types of estimating procedures.

Student Evaluations: 4.12 out of 5.0, 41 students

Fall 2013

CSM 3510/3511: Estimating 1

3 credits, Clemson University

A study of basic estimating as applied to construction projects. Includes the take-off of material quantities, assigning labor and equipment production rates, and applying material prices, wage rates, and equipment costs to derive a total job cost.

Student Evaluations: 4.35 out of 5.0, 40 students

CSM 4980: Current Topics in Construction

3 credits, Clemson University

Current topics in construction as related to commercial construction.

Student Evaluations: 3.53 out of 5.0, 5 students

Spring 2013

COSC 441: Residential Capstone

3 credits, Texas A&M University

A senior capstone course for students preparing to enter the residential construction sector; development & project management of residential construction projects, including: aspects of design, bidding/estimating, presentation contracts/negotiation, subcontractor relations, cost controls, management during construction, close out, and post-construction requirements. This is a University-designated Communications Intensive course.

Student Evaluations: 4.66 out of 5.0, 22 students

Fall 2012

COSC 175: Construction Graphics

3 credits, Texas A&M University

Learn to visualize, interpret, and communicate graphical geometry employed in construction design and engineering, to include the graphical analysis of problems. Includes the utilization of sketching applications, computer aided design, and basics of building information modeling software. An introduction of commonly employed quantitative tools in construction is covered.

Student Evaluations: 4.90 out of 5.0, 22 students

Spring 2012

COSC 175: Construction Graphics

3 credits, Texas A&M University

Learn to visualize, interpret, and communicate graphical geometry employed in construction design and engineering, to include the graphical analysis of problems. Includes the utilization of sketching applications, computer aided design, and basics of building information modeling software. An introduction of commonly employed quantitative tools in construction is covered.

Student Evaluations: 4.71 out of 5.00, 15 students

Fall 2011

COSC 175: Construction Graphics

3 credits, Texas A&M University

Learn to visualize, interpret, and communicate graphical geometry employed in construction design and engineering, to include the graphical analysis of problems. Includes the utilization of

sketching applications, computer aided design, and basics of building information modeling software. An introduction of commonly employed quantitative tools in construction is covered.

Student Evaluations: 4.73 out of 5.00, 21 students

Spring 2011

COSC 153: Introduction to the Construction Industry

3 credits, Texas A&M University

Characteristics of the construction industry; types of construction companies; contracts; people involved in a project, their responsibilities and interrelationships; evolution of a project; interpreting working drawings; construction bonds; contract documents.

Student Evaluations: 4.68 out of 5.00, 17 students

Winter 2010

CM 211: Finishing Methods

2 credits, Brigham Young University

Materials and methods utilized on a construction project after completion of 4-way. Review of best practices and material characteristics relating to construction project delivery from insulation through project completion.

Student Evaluations: 7.6 out of 8.00, 32 students

Fall 2009

CM 211: Finishing Methods

2 credits, Brigham Young University

Materials and methods utilized on a construction project after completion of 4-way. Review of best practices and material characteristics relating to construction project delivery from insulation through project completion.

Student Evaluations: 7.2 out of 8.00, 32 students

STUDENT THESIS COMMITTEE MENTORSHIP

Masters Students

Chair

Giuseppe Jenkins: 2018-2019

Topic: Application of Integrated Project Delivery Principles in residential construction

Will Smith: 2016-2017

Topic: Best practices for application of BIM in residential construction

Dileep Addepalli: 2013-2015

Topic: Lean construction application in high rise buildings in India

Bhagya Baburaj: 2014-2016

Topic: System-based trust vs. traditional interpersonal trust in the construction project delivery process

Avinash Venugopal: 2014-2016

Topic: Comparison between the Work values and industry expectations between AEC students

Karthik Natarajan: 2014-2016

Topic: A study of the practices and processes implemented by companies after hiring international students

Committee Member

Charles Petrinovich: 2017-2020

Topic: Roof Selection Considerations for Mission-Critical Facilities

Debbie Christofferson: 2017-2020

Topic: Facility management and decision making for higher education facilities

Morgan Tagg: 2016-2017

Topic: Current practices for quantity takeoff and cost estimating using BIM

Adam Hall: 2014-2016

Topic: Anecdotal Pedagogical Support for Mechanical Classes

Jackson Liner: 2013-2015

Topic: Active management of trust in construction projects

Jordan Frank: 2013-2015

Topic: Interpersonal trust in the Design-Build project delivery process

Yamini Lavang: 2013-2015

Topic: Barriers to entry for construction industry members interested in academic careers

Undergraduate Student

Research Mentor - Women in Engineering Program (WE@BYU)

Abby Ebert: Fall 2020

Topic: Work Values of Construction Management/Engineering/Architecture Students

Savannah Taylor: 2019-2020

Topic: BIM in residential applications

Emily Miller: 2018-2019

Topic: Impact of academia on student perceptions of the construction industry players

Fatima Jeffrey: 2017-2018

Topic: Impact of academia on student perceptions of the construction industry players

SERVICE

DEPARTMENTAL SERVICE

- Coach for the annual Mixed Use Team for the ASC Regional Competition

- Co-coach for the annual NAHB National RCMC Competition
- Faculty Advisor – Women in Construction Club
- Faculty Advisor – NAHB Student Association
- QPR Certified (10/4/18) – Suicide Prevention
- Student Competition coordinator
- Alumni Dinner coordinator
- Faculty leader for service trip to the Dominican Republic to assist in the construction of a hospital, Spring 2015 & Spring 2016.
- Member of Department Bylaws Review Taskforce aimed at updating TPR guidelines for evaluation and promotion of department faculty.
- Faculty Advisor for the Clemson University ABC Student Chapter.
- ABC Student Competition Team Coach, 2013-2016.
- Member of task force to design new Construction Graphics course for departmental freshman, Fall 2010-Spring 2011.
- Member of task force responsible for the review of existing ACCE accreditation requirements and recommendations for improvement.
- Assistant Coach for NAHB undergraduate student competition team, competed during the 2012 Builder's Show in Orlando, FL.

NATIONAL SERVICE AND PROFESSIONAL ACTIVITIES

- Member of the Editorial Review Board for the International Journal of Construction Education and Research
- Member of the Editorial Review Board for the Conference Proceedings of the IGLC 2018 in Chennai, India
- Member of the NAHB Student Chapters Advisory Board
- Member of the Community Service Committee of the UVHBA
 - Annually coordinate multiple Subcontractor for Santa projects in Utah Valley
- Invited instructor for ABC Continuing Education Series
- Invited judge for ABC's "Excellence in Construction" Awards in Charlotte, N.C.
- Invited academic consultant to Cal Baptist's Advanced Estimating Class
- Member, ASC Research Committee
- Member, Lean Construction Institute
- Member, National Association of Home Builders
- Member, Sigma Lambda Chi Construction Honor's Society
- Volunteer, Habitat for Humanity
- Volunteer, Instructor for regular religious study for high school and college students

HONORS and AWARDS

- ASC Proceedings Best Paper Award, 2020
- Ira A Fulton College of Engineering and Technology – *Most Influential Faculty Award*, 2020
- ASC Regional Teaching Award, 2018
- Betty and Bert E. Beecroft '51 Endowed Scholarship in Construction Recipient, 2012-2013
- C.R. "Smilo" Mallison Scholarship for Academic Excellence Recipient, 2012-2013
- ACCE Dupree Construction Education/National Housing Endowment Scholarship Recipient (One of two given annually), 2011-2012
- Construction Industry Advisory Council Scholarship Recipient (Texas A&M University), 2011-2012

- Departmental Research Fellowship (Brigham Young University, Department of Construction Management), 2009-2010
- Departmental Teaching Fellowship (Brigham Young University, Department of Construction Management), 2009-2010