

ASC 2019 INTERNATIONAL CONFERENCE | SCHEDULE

TUESDAY, APRIL 9, 2019 - BONUS EVENT

6:00PM - 8:00PM	The Voices of Experience	DU Campus - Newman Center
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WEDNESDAY, APRIL 10, 2019 - PRE-CONFERENCE WORKSHOPS

7:00AM - 1:00PM	ASC Pre-Conference Board Meeting	JW Marriott - Aster and Rose Rooms
9:00AM - 7:00PM	Conference Registration	JW Marriott - 2nd Floor Meeting Lobby
9:00AM - 11:00AM	ACCE Visiting Team Training Workshop	Location: JW Marriott - Salon I
9:00AM - 5:00PM	Exhibitor Set-Up	JW Marriott - Bluebell Room
11:00AM - 12:00PM	Procore Workshop	JW Marriott - Salon II
12:00PM - 1:00PM	Procore Focus Group with Lunch	JW Marriott - Salon III
1:00PM - 5:00PM	Trimble Field Trip	Buses Leave & Return JW Marriott
6:00PM - 7:30PM	Welcome Reception	JW Marriott - Fireside
	Dinner on your own.	

THURSDAY, APRIL 11, 2019 - CONFERENCE DAY ONE

7:00AM - 8:00AM	Breakfast	JW Marriott - Grand Ballroom
8:00AM - 8:45AM	Transportation to DU/Walk to Opening Session	Buses Leave & Return JW Marriott
8:45AM - 9:30AM	Opening Session and Keynote Jeff Wozer	DU - SIE Complex 5th Floor
9:30AM - 9:45AM	Break/Walk to Meetings	
		Daniels 380 Daniels 680 Margery 203 Margery 217 Margery 201 SIE 1020 Daniels 302
9:45AM - 10:45AM	Regional Meetings	Region 1 Meeting Region 2 Meeting Region 3 Meeting Region 4 Meeting Region 5 Meeting Region 6 & 7 Meeting Region 8 Meeting
10:45AM - 11:00AM	Transportation to the Cable Center for Luncheon	
11:00AM - 12:30PM	Lunch + Keynote Kimon Onuma + Regional Teaching Awards	DU Campus - The Cable Center
12:30PM - 1:15PM	Transportation back to the JW Marriott	
12:30PM - 5:30PM	Exhibitor Hall	Bluebell Room
1:15PM - 1:30PM	Networking Break	
1:15PM - 4:00	Research in Progress and Graduate Student Research Poster Sessions - Fireside - <small>Moderators: Mohammadreza Ostadalimakhmalbaf, Charlie Zhang, Mohammed S. Hashem M. Mehany, & Dajung Kim</small>	
	Room:	SUITE 311
1:30PM - 2:30PM	Papers Group 1	Session 1 Session 2 Session 3 Session 4 Session 5 Committee Meeting International Development
2:30PM - 2:45PM	Networking Break	
2:45PM - 3:45PM	Papers Group 2	Session 6 Session 7 Session 8 Session 9 Session 10 Committee Meeting Research
3:45PM - 4:00PM	Networking Break	
4:00PM - 5:00PM	Papers Group 3	Session 11 Session 12 Session 13 Industry Connection Reception Setup Committee Meeting Industry Relations
5:00PM - 5:30PM	Networking Break	
5:30PM - 7:00PM	Industry Connection Reception	
	Dinner on your own.	

FRIDAY, APRIL 12, 2019 - CONFERENCE DAY TWO

7:00AM - 5:00PM	Exhibitor Hall	JW Marriott - Bluebell Room
7:00AM - 8:30AM	Sigma Lambda Chi Breakfast & Meeting	JW Marriott - Fireside
8:00AM - 8:45AM	Networking Break	
	Room:	SUITE 311
8:45AM - 9:45AM	Papers Group 4	Session 16 Session 17 Session 18 Session 19 Session 20 Committee Meeting Education
9:45AM - 10:00AM	Networking Break	
10:00AM - 11:00AM	Papers Group 5	Session 21 Session 22 Session 23 Session 24 Session 25 Committee Meeting Faculty Professional Development
11:00AM - 11:15AM	Networking Break	
11:15AM - 12:15PM	Papers Group 6	Session 26 Session 27 Session 28 Session 29 Session 30 Committee Meeting Publications
12:15PM - 1:00PM	Lunch Buffet	JW Marriott - Fireside
1:00PM - 2:00PM	Keynote Deb Sheehan + National Teaching Awards, Best Paper Award, Best Poster Award <i>Grand Ballroom</i>	
2:00PM - 2:15PM	Networking Break	
	Room:	SUITE 311
2:15PM - 3:15PM	Papers Group 7	Session 31 Session 32 Session 33 Session 34 Session 35 Committee Meeting Marketing
3:15PM - 3:30PM	Networking Break	
3:30PM - 4:30PM	Curriculum Discussions Group 8	ESTIMATING Eric Holt DU & Industry SCHEDULING Wendy Corrigan DU & Industry DESIGN BUILD Barb Jackson DU & Industry BIM Svetlana Olbina CSU & Industry Simulations in CM Training Brad Benhart Purdue Committee Meeting IT - Suite 311 Committee Meeting MEAC - Fireside
4:30PM - 5:00PM	Networking Break	
5:00PM - 6:00PM	Transportation to Red Rocks	
6:00PM - 7:00PM	Banquet Reception	Rock Room & Museum
7:00PM - 9:00PM	Banquet + Lifetime Award	Tent on Red Rock Plaza
9:00PM	Transportation to JW Marriott	

SATURDAY, APRIL 13, 2019 - CONFERENCE WRAP UP

8:00AM - 9:30AM	Breakfast + Business Meeting + Raffle	JW Marriott - Grand Ballroom
8:00AM - 10:00AM	Exhibitor Take-Down	
10:00AM - 1:00PM	ASC Post-Conference Board Meeting	JW Marriott - Aster and Rose Rooms

THURSDAY, APRIL 11, 2019 - CONFERENCE DAY ONE

Paper/Panel Group 1 1:30PM - 2:30PM	Construction Education Session 1 in Aster Moderator: Ibukun Awolusi An Innovative Approach to Teaching and Assessing Student Learning Outcomes Related to Construction Means and Methods <i>ROBERT BUGG</i> Utilizing BIM as a Tool for Managing Construction Site Safety: A Review of Literature <i>TELA WEBB ET AL.</i> Using an Inverted Classroom Approach to Promote Active Learning in Construction Management and Engineering Courses <i>PETER ROGERS ET AL.</i>	Construction Education Grad Session 2 in Rose Saurabh Prajapati Assessment of an experimental five-day student construction science "bootcamp" at a research-intensive university: A case study <i>ZOFIA RYBKOWSKI ET AL.</i> Hands-On Building as an Instructional Delivery Method in an Integrated Lab Curriculum <i>STACY KOLEGRAFF ET AL.</i> Employing Cultural Intelligence to Increase Trust in the Classroom and on the Job Site. <i>BRADLEY HARTMANN, RED ANGLE</i>	Construction Education Research Session 3 in Salon I Pardis Pishdad-Bozorgi Exploring the Integration of Micro-Credentials in a Typical Canadian Construction Management Degree Program <i>CHRISTOPHER WILLIS ET AL.</i> Mobile Device Utilization in Classes by Faculty of ASC Member and ACCE Accredited Construction Programs <i>WESLEY COLLINS ET AL.</i> Team Structuring Based on Personality and Emotionality Traits for Better Project Performance <i>AMIRALI SHALWANI ET AL.</i>	Construction Practice Session 4 in Salon II Amna Salman Construction Document Management Information Sharing <i>KHALID SIDDIQI ET AL.</i> An Interdisciplinary Pilot Study and Prototype Development for the Containment of Concrete Washout Waste <i>PAUL HOLLEY ET AL.</i> Upgrading the Wyoming State Capitol's Mechanical System: A Case Study <i>ANNA SIMPKINS ET AL.</i>	Construction Practice Research Session 5 in Salon III Ahmed Al-Bayati Probability of Failure in Infrastructure Project Unbalanced Bidding <i>YUHAN JIANG ET AL.</i> An Empirical Markov Process Model for Optimal Bridge Inspection <i>MOHAMMAD ILBEIGI</i> Engineer Manual 385 Effectiveness: A Study of Predictive Analytics <i>SCOTT ARIAS ET AL.</i>	
	Paper/Panel Group 2 2:45PM - 3:45PM	Construction Education Session 6 in Aster Moderator: Kelly Strong Comparative Analysis of Online Versus Face-to-Face Delivery of Mechanical and Electrical Systems Course in a Construction Management Curriculum <i>ROBERTO SOARES ET AL.</i> Undergraduate Construction Students' Likelihood of Attending Courses in Other AEC Disciplines <i>LUCIANA DEBS ET AL.</i> Electrical Knowledge in the Construction Industry <i>MARK TATUM ET AL.</i>	Construction Education Grad Session 7 in Rose Mahdi Afkhamiaghda Semantic Analysis to Identify Expected Competencies of Construction Management Graduates <i>SHERIF ATTALLAH ET AL.</i> Challenge of Recruiting Students: Strategies for Promoting Construction Engineering Major <i>MOSTAFA BATOULI ET AL.</i> Development and Testing of a Career Comparison Tool for Promoting Careers in Construction <i>ANTHONY PERRENOUD</i>	Construction Education Research Session 8 in Salon I Kelli Herstein Fast Tracking Construction Process in a Mega Project Using Aerial Data Capturing and Building Information Modeling <i>SHAYAN NIKOUKAR ET AL.</i> Review of the Current State of Hiring International Engineering Students <i>JAMES SMITH ET AL.</i> Size Matters: Benchmarking Facility Size, Type of Space, and Maintenance Costs/ Rentable Square Foot <i>JUSTIN DODD ET AL.</i>	Construction Practice Session 9 in Salon II Saeed Rokooei Application of Fuzzy Logic Theory on Risk Assessment in Oil and Gas Pipeline Projects <i>LAYTH KRAIDI ET AL.</i> Machine Learning-based Life-cycle Cost Analysis for Educational Facilities <i>XINGHUA GAO ET AL.</i> Predictive Analytics on Institutional Buildings using integrated wavelet transformation and deep learning algorithms <i>HARIHARAN NAGANATHAN</i>	Construction Practice Research Session 10 in Salon III Gregory Starzyk Fuzzy Logic Application to the Assessment of BIM Benefits <i>SANGWOOK LEE</i> Challenges of Greywater Systems on College Campuses <i>FRANKLIN ALVIS ET AL.</i> Implementation of Fuzzy Cluster Analysis to Partition Cost Performance into Typical Groups Based Upon Project Characteristics <i>PHUONG NGUYEN ET AL.</i>
		Paper/Panel Group 3 4:00PM - 5:00PM	Construction Education Session 11 in Aster Moderator: Masoud Gheisari Integration of Small Unmanned Aerial Systems into Construction Management Curriculum in Compliance with FAA Regulations: A Case Study <i>JAVIER IRIZARRY</i> Important Considerations for Implementing a Drone-based Activity within a Construction Surveying Course <i>KENNETH WILLIAMSON III ET AL.</i> Optimal UAS Parameters for Aerial Mapping and Modeling <i>JOSEPH BURGETT ET AL.</i>	Construction Education Grad Session 12 in Rose Boshra Karimi The Development of a Construction Management Summer Program for Young Females - A Case Study <i>MOHAMMED HASHEM MEHANY ET AL.</i> Exploring Gender and Ethnic Diversity Recruitment Goals: Comparing 2007-2017 CM Education and Industry Trends <i>JON ELLIOTT ET AL.</i> Factors Impacting Undergraduate Hispanic Students' Retention in Construction Programs: A Mixed Methods Research Synthesis <i>MOHAMMADREZA OSTADALIMAKHMALBAF ET AL.</i>	Construction Education Research Session 13 in Salon I Sandeep Langar Increasing Reliability of Construction Planning through Takt Time Planning <i>SUCHISMITA BHATTACHARJEE ET AL.</i> Informing Future Learning Pedagogy towards Integrated Project Delivery (IPD) in the UK <i>MOHAMMAD MAYOUF ET AL.</i> Study of Construction Industry Workforce: Measuring Employee Satisfaction for Construction Career Insight <i>DHAVAL GAJJAR ET AL.</i>	Construction Practice Research Session 14 & Session 15 Salon II & Salon III (Being Combined) Industry Connection Reception Setup

FRIDAY, APRIL 12, 2019 - CONFERENCE DAY TWO

Paper/Panel Group 4 8:45AM - 9:45AM	Construction Education Session 16 in Aster Moderator: Wesley Collins Key Factors in Construction Engineering and Management Education to Facilitate Student Engagement and Collaborative Learning <i>SEONG-JIN KIM ET AL.</i> Teaching Interdisciplinary Collaboration in Undergraduate Foundation Level Courses <i>JASON LUCAS ET AL.</i> Implementing Experimental Research: A Case Study of Teaching Lateral Forces in an Introductory Structures Course <i>AMNA SALMAN</i>	Construction Education Grad Session 17 in Rose Fernando Romero Moraes Faculty Ownership of the Copyright to their Own Academic Work: Myths vs. Realities <i>GREGORY STARZYK</i> Status of Technology Use among Construction Management Students: A Pilot Study <i>SUDIP SUBEDI ET AL.</i> Benchmarking Soft Skills Among Construction School Graduates <i>JASER MAHASNEH ET AL.</i>	Construction Education Research Session 18 in Salon I Tom Leathem Climate migration using highway infrastructure: A Review of Literature <i>SANDEEP LANGAR ET AL.</i> Construction Management Curriculum Transformation through Project-Based Learning: Initial Implementation <i>JAMIE METZINGER ET AL.</i> Transforming Student Groups into Effective Teams: Utilizing Human Dimensions to Maximize Student Success <i>ANUSREE SASEENDRAN ET AL.</i>	Construction Practice Session 19 in Salon II Raj Kapur Shah An Approach to Simulating Construction Process in Post-Disaster Sheltering <i>MAHDI AFKHAMAGHDA ET AL.</i> Construction Capacity and Residential Roofing Reconstruction after Hurricanes in Texas and Puerto Rico <i>ERIN ARNESON</i> How We Can Better Learn from OSHA Forms: From a Bulletin Board to the Vision Board <i>AHMED AL-BAYATI ET AL.</i>	Construction Practice Research Session 20 in Salon III Sherif Attallah Laboratory Study on Using Recycled Concrete Aggregates In Non-Structural Concrete <i>GEORGE WANG ET AL.</i> Deep learning-based Context Documentation for Earthmoving Productivity Simulation <i>HONGJO KIM ET AL.</i> Assessing Low Bid Deviation from Engineer's Estimate in Highway Construction Projects <i>MINSOO BAEK ET AL.</i>	
	Paper/Panel Group 5 10:00AM - 11:00AM	Construction Education Session 21 in Aster Moderator: Luciana Debs Success of Construction Management Students in Statics <i>KYLE LARSON ET AL.</i> Determinants for Student Success on the Associate Constructor Exam <i>CURTIS BRADFORD ET AL.</i> ARCOM and ASC - A Collaboration Through Shared Possibilities <i>MARK SHELBORNE ET AL.</i>	Construction Education Grad Session 22 in Rose Zofia Rybkowski Characteristics of ASC Legacy Schools <i>KEVIN GROSSKOPF ET AL.</i> Current State of Construction Management Faculty Searches in the United States <i>TAMERA MCCUEN ET AL.</i> Review of Online Construction Programs <i>MEISHAN JIN ET AL.</i>	Construction Education Research Session 23 in Salon I Mohammad Mayouf An Exploratory Look at Thefts from Construction Sites <i>K. JOSEPH SHRESTHA ET AL.</i> A Conceptual Model to Capital Projects Conception based on Front-End Loading and Lean Concepts <i>FERNANDO ROMERO ET AL.</i> Time of Occurrence of Construction Fatalities in Virginia <i>MYUNG JEONG</i>	Construction Practice Session 24 in Salon II Lauren Redden Building Information Modeling in the Custom Home Building Industry <i>WILL SMITH ET AL.</i> Framework for Monitoring and Measuring Construction Safety Performance <i>IBUKUN AWOLUSI ET AL.</i> Construction Workers' Health and Safety at Post-Disaster Reconstruction (PDR) Phase: A Knowledge Gap Analysis <i>NIPESH PRADHANANGA ET AL.</i>	Construction Practice Research Session 25 in Salon III Mohammad Ilbeigi Case Study on the Efficacy and Impact of EPA Emissions Standards for Nonroad Diesel Construction Equipment <i>BOSHRA KARIMI ET AL.</i> The Use of Smart Wireless Technology for the Effective Management of Combined Sewer Overflows in Richmond, Virginia <i>TREVOR SMITH ET AL.</i> Spill Clean-up Recommendations for Emergency Escape Ramps (EERs): Western Mountain DOTs' Perspectives <i>DENIZ BESIKTEPE ET AL.</i>
		Paper/Panel Group 6 11:15AM - 12:15PM	Construction Education Session 26 in Aster Moderator: Keith Rahn An Analytical Framework for Project Loan Monitoring <i>TULSI REGMI ET AL.</i> Effect of Risk Prolongation on Cost and Schedule of a Project <i>AMIRALI SHALWANI ET AL.</i> Analysis of Construction Cost Variation of Construction Manager General Contractor (CM/GC) Project <i>JP MITRA ET AL.</i>	Construction Education Grad Session 27 in Rose Caroline Clevenger Use of Immersive Navigation in Virtual Environment (INVEN) to Improve Student's Understanding of Building Components and Materials <i>SOMIK GHOSH ET AL.</i> 360-Degree Panoramas as a Reality Capturing Technique in Construction Domain: Applications and Limitations <i>RICARDO EIRIS ET AL.</i> Comparing Virtual Reality Modalities and 360° Photography in a Construction Management Classroom <i>JEFFREY KIM ET AL.</i>	Construction Education Research Session 28 in Salon I Dhaval Gajjar Understanding the Impacts of the Aging Population of Code Professionals in Utah <i>GEORGE WILLIAMS ET AL.</i> Comparison of Industry and Students' Perceptions in a Studio-based Construction Program <i>SAEED ROKOOEI ET AL.</i> Participant Influences on the Success of Critical Path Method Planning in Construction Project Environments <i>NEIL PICKAVANCE ET AL.</i>	Construction Practice Research Session 29 in Salon II Hariharan Naganathan Risk Analysis of Healthcare Projects Using Simulations <i>HAIYAN XIE ET AL.</i> Low-cost Roof Insulation Solutions for Low-rise Residential Buildings and Houses in Pakistan <i>SALMAN AZHAR ET AL.</i> Performance Enhancement in Green Construction Project Teams: Building a Case for Shared Transformational Leadership <i>FAIZAN SHAFIQUE ET AL.</i>
Paper/Panel Group 7 2:15PM - 3:15PM			Construction Education Session 31 in Aster Moderator: Amirali Shalwani Pedagogy for 21st Century Construction Education: Active and Collaborative Learning in Correlation with ACCE Student Learning Outcomes <i>CONTINA MCCALL ET AL.</i> Toward a Less Fragmented AEC Sector: Digital Education for the Future Construction Professional <i>LLOYD SCOTT ET AL.</i> Investigating Work, Cultural and Life Values of Construction Employees <i>HWANGBO BAE ET AL.</i>	Construction Education Grad Session 32 in Rose Keith Rahn INDUSTRY ASSOCIATION The Construction Management Association of America (CMAA) INDUSTRY ASSOCIATION Associated General Contractors of America (AGC) INDUSTRY ASSOCIATION Design Build Institute of America (DBIA)	Construction Education Research Session 33 in Salon I Jeff Kim Using 360-Degree Panoramic Photogrammetry and Laser Scanning Techniques to Create Point Cloud Data: A Comparative Pilot Study <i>PRASEEDHA SUBRAMANIAN ET AL.</i> FMI Management Consulting Research Briefings	Construction Practice Research Session 34 in Salon II Javier Irizarry Assessing Collaborative Relationships in Healthcare Construction <i>SEAN MULHOLLAND ET AL.</i> Mass Timber Construction: Perceptions of an Emerging Methodology Among San Francisco Bay Area Construction Professionals <i>CLAYTON LEONARD ET AL.</i> Case Study of a Living Building Challenge Project <i>PARDIS PISHDAD-BOZORGI ET AL.</i>