



Interdependence between Structural Engineering and Construction Management
The Tenth International Structural Engineering and Construction Conference (ISEC-10)
Chicago, IL, USA May 20-25, 2019

ISEC-10 Program

Monday - May 20, 2019		
17:00-19:00	Registration	University of Illinois at Chicago (UIC), Student Center East, East Terrace 750 S Halsted St, Chicago
17:00-19:00	Welcome Reception	
	Soft drinks and appetizers will be served.	

Tuesday - May 21, 2019		
8:00-17:00	Registration	ERF Lobby, 1 st Floor 842 W Taylor St., Chicago
8:30-9:00	Conference Briefings/Opening Sessions/Welcomes	Lecture Center A, Room A001
	Michael D. Amiridis , <i>UIC Chancellor</i> Jamshid Mohammadi , <i>Illinois Institute of Technology-College of Graduate Studies</i> Kouros Mohammadian , <i>Head of UIC Civil and Materials Engineering</i> Amarjit Singh , <i>ISEC Society President</i>	
9:00-9:10	Irina Dolinskaya , NSF Program Director Dynamics, Control and Systems Diagnostics (DCSD) Program, Division of Civil, Mechanical and Manufacturing Innovation (CMMI)	
9:10-9:50	Keynote: Professor Glenn Washer, University of Missouri	
9:50-10:00	Networking Break	
10:00-10:40	Keynote: Sarah Wilson, Illinois Department of Transportation	
Tea and Coffee Break 10:40-11:00 (ERF Lobby, 1 st Floor)		



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Technical Session 1 - Tuesday, May 21, 2019, 11:00-13:00

	<p style="text-align: center;">Session 1-1 ERF Room 1003 <u>Session Chair</u> Markus Kummer BIM and Optimization in Construction Management</p>	<p style="text-align: center;">Session 1-2 ERF Room 1023 <u>Session Chair</u> Lilita Ozola Rehabilitation and Retrofitting Methods – Part I</p>	<p style="text-align: center;">Session 1-3 ERF Room 1033 <u>Session Chair</u> Takashi Hara Alternative Materials for Concrete</p>	<p style="text-align: center;">Session 1-4 ERF Room 1043 <u>Session Chair</u> Jamshid Mohammadi Bridge Design and Performance</p>	<p style="text-align: center;">Session 1-5 ERF Room 1047 <u>Session Chair</u> Eugenio Pellicer Structural Measurements and Computational Methods</p>
11:00-11:20	AAE-09, Building Information Modeling and Operation <i>Anica Meins-Becker, Agnes Kelm, Matthias Kaufhold, Melanie Quessel, Manfred Helmus</i>	CEN-01, Rehabilitation of Marine Terminal Piers <i>Muangsangop Seni Wongse</i>	MAT-15, Some Properties of Reactive Powder Concrete Made with Recycled Aggregate <i>Shatha Hasan</i>	STR-03, Shear Strength of Deteriorated Steel Girders in Multi-Girder Bridges <i>Amanda Bao, Caleb Guillaume, Alana Moraes</i>	OTH-05, Finite Strain Measurement Using Image Analysis Under Reverse Shear After Forward Shear <i>Yasuyuki Kato</i>
11:20-11:40	AAE-12, Data and Process Model for Advanced Integration of MEP Into BIM Projects <i>Rainer Partl, Stefan Hauer, Michael Monsberger</i>	STR-66, Behavior of Continuous Concrete Beams Reinforced with Basalt Bars <i>Salvio Aragao Almeida Junior, Azadeh Parvin</i>	MAT-18, Strength Properties of Durable Concrete Made with Various Alternative Cementitious Materials <i>Isamu Yoshitake, Shun Inoue, Keisuke Miyamoto, Koichiro Yamato</i>	STR-123, Influence of Railing Stiffness on Wheel Load Distribution in Two-Span Concrete Slab Bridges <i>Sarah Jaber, Mounir Mabsout, Kassim Tarhini</i>	MAT-13, Computational Simulation of Hygrothermal Performance of Plasters with Enhanced Moisture Accumulation Capability <i>Jan Koči, Jan Fořt, Jiří Maděra</i>
11:40-12:00	CON-53, A Measurement Instrument for the Technology Extent and Process Efficiency in BIM Enabled Construction Projects <i>Gozde Basak Ozturk</i>	FAM-03, Analysis of the Maintenance Work Order Data in Educational Institutions <i>Deniz Besiktepe, Mehmet E. Ozbek, Rebecca A. Atadero</i>	MAT-21, Using Arabic Gum in Production of Refractory Bonding Mortar <i>Shatha Hasan, Osama Eedan, Katreen Azwz</i>	STR-125, Case Study of 3D Seismic Pushover Analysis of Integral Abutment Bridge <i>Xinya Liu, Chung C. Fu</i>	STR-120, A Comparison between Probabilistic and Possibilistic Numerical Schemes for Structural Uncertainty Analysis <i>Hamza Sekkak, Mehdi Modares</i>
12:00-12:20	CSA-02, Improving Occupational Health and Safety by Using Advanced Technologies and BIM <i>Agnes Kelm, Anica Meins-Becker, Manfred Helmus</i>	GFE-06, Rectification Theory and Reinforcement Practice Based on The Principle of Counterforce Center <i>Yanpeng Zhu, Kuibin Yang, Jun Tao, Xiuli Wang</i>	MAT-27, Rheology of Self-Compacting Concrete Used for Supertall Buildings <i>Mien Tran, Yen Cu</i>	STR-16, Influence of Curved Web Closed Steel Sections in Bridge Design <i>Gilles Van Staen, Hans De Backer, Philippe Van Bogaert</i>	STR-27, Verification of Signal Pole Shaft Foundation LRFD Design Using Finite Element Method <i>Kuang-Yuan Hou, Chung C. Fu, Yunchao Ye, Chaoran Xu</i>
12:20-12:40	CON-13, Towards Digitizing the Construction Industry: State of the Art of Construction 4.0 <i>Md Aslam Hossain, Abid Nadeem</i>		MAT-11, Potential Utilization of Granite Waste With Metakaolin In Sustainable Concrete <i>Ravi Kumar Sharma, Trilok Gupta, Digvijay Singh Chouhan</i>	STR-32, Accurate Modeling of Curved Steel I-Girder Bridges, <i>Yifan Zhu, Chaoran Xu, Chung C. Fu</i>	STR-33, Estimation of Shear-Wave Velocity Structure Using Microtremor Measurements <i>Zorigt Tumurbaatar, Hiroyuki Miura</i>
12:40-13:00	CON-52, Design of Certified Green Buildings Using Building Information Modeling <i>Senay Atabay, Asli Pelin Gurgun, Alper Goktug Demirbas</i>			STR-68, Effect of Transient Thermal Gradient on Stresses in Composite Bridges <i>Caesar Abi Shdid, Omar El-Masri</i>	CON-55, Construction Methodology for Strain Gage Installation in Airport Pavements <i>Gregory Kioa, Amarjit Singh</i>
Lunch 1: 13:00-14:00 (ERF 2nd Floor, CME Atrium)					



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Technical Session 2 - Tuesday, May 21, 2019, 14:00-16:00

	<p style="text-align: center;">Session 2-1 ERF Room 1003 <u>Session Chair</u> Rita Awwad Green Infrastructure Design</p>	<p style="text-align: center;">Session 2-2 ERF Room 1023 <u>Session Chair</u> Asli Pelin Gurgun Rehabilitation and Retrofitting Methods – Part II</p>	<p style="text-align: center;">Session 2-3 ERF Room 1033 <u>Session Chair</u> Siamak Yazdani Retrofit of Composite and Metal Structures</p>	<p style="text-align: center;">Session 2-4 ERF Room 1043 <u>Session Chair</u> Hossein Ataie Reinforced Concrete Structures and Materials</p>	<p style="text-align: center;">Session 2-5 ERF Room 1047 <u>Session Chair</u> Jan Koči Foundation and Pavement Design</p>
14:00-14:20	AAE-20, Ecology in Multi-Story Residential Buildings - Interdependency Between Ecology and Costs of Building Materials <i>Daniela Koppelhuber, Johannes Wall</i>	STR-44, Assessment of the Target Reliability Depending on Structural Properties <i>Lilita Ozola, Dana Zirnova</i>	STR-88, Retrofitting Methods Against Fatigue Cracking in Steel Girder Web Penetration <i>Chihiro Sakamoto, Masahiro Sakano, Hideyuki Konishi, Takashi Fujii</i>	MAT-19, Visible Test on Bughole Generation of Fluidity Concretes for Tunnel Lining <i>Isamu Yoshitake, Masahiro Hieda, Kenta Okamoto, Tomoyuki Maeda</i>	INF-08, Development of a Decision Making Tool for Pavement Maintenance Management Under Sustainability Criteria <i>Pedro Espinoza-Valarezo, Tatiana García-Segura, Laura Montalbán-Domingo, Eugenio Pellicer</i>
14:20-14:40	ENR-01, Study and Analysis of Incentives for State-of-the-Art Net-Zero Energy Houses <i>Davoud Shaban Rafsanjani, Deepak Sharma, Tung Tran, Phuong Nguyen</i>	STR-20, Increasing the Height of a Guyed Steel Stack which is Supported on an Industrial Building <i>Roman Okelo, Bradford Russell</i>	STR-36, Improvement of Reinforcement Method of R/C Cylindrical Shell with Opening <i>Takashi Hara</i>	STR-82, Performance Evaluation of Various Concrete Mixes Subjected to Sulfuric Acid <i>Md. Kalimur Rahman, Hassan Ali Alkhalifah, Ali Husain Al-Gadhib, Salah Othman Aldulajjan, Md. Saliu Barry</i>	STR-98, The Myth of Saw-Cut Joints in Concrete Slabs and Walls <i>Muangsangop Seni Wongse</i>
14:40-15:00	SUS-02, Reviewing Government Initiatives on Implementing Sustainable Infrastructure Construction <i>Debby Willar, Daisy D. G. Pangemanan</i>	GFE-09, Experimental Evaluation of Soil Reinforcements in Unpaved Road <i>Nahla Salim</i>	STR-65, A Preventive Strengthening Strategy for Aged Steel Structures <i>Nozomu Taniguchi, Weiwei Lin, Masaaki Hiroe</i>	SUS-05, Optimization Parameter Sets for Sustainable Concrete in Tunnels <i>Larissa Strömberg, Malin Löfsjögård, Anders Ansell, Staffan Hintze</i>	INF-05, Impact of Concrete Material Inputs on Performance of Continuously Reinforced Concrete Pavement <i>Gauhar Sabih, Rafiqul A. Tarefder</i>
15:00-15:20	SUS-33, Social and Environmental Sustainability Rating Systems and Certification Programs <i>Diana Andrade-Rhor, Laura Montalbán-Domingo, Tatiana Garcia-Segura, Eugenio Pellicer</i>	GFE-12, Investigation on the Effect of Countermeasures for Subsidence at the Approaching Areas of Abutments <i>Yukihide Kajita, Kazuki Onoda, Taiji Matsuda, Kunihiro Uno, Takeshi Kitahara</i>	STR-28, Strengthening Method of Unreinforced Masonry Walls by Brace Elements <i>Ariunaa Ganbaatar, Haruyuki Yamamoto</i>	SUS-16, Flexural Behavior of High Strength Geo-Polymer Concrete Beams <i>Vankudothu Bhikshma, Kandiraju Promodkumar, Putta Pandurangiah</i>	CPM-26, Teamwork in Successful Construction Management of Road Improvement Projects <i>Sinit Seni Wongse</i>
15:20-15:40	INF-07, Innovation of Using Waste Materials as a Replacement of Cement In PCC <i>Ahmed S. Faried, Mostafa A. Abo-Hashema, Abdulrahman E. Roushdy, Sameh A. Galal</i>	GFE-13, Slope Stabilization Using Low Density Polyethylene <i>Harshit Varma, Darshan Shah, Deepak Sharma, Saahil Wadhvani</i>	STR-127, Periodic Bolt Placement in Steel Structures for Guided Damage Detection <i>Lu Zhang, Didem Ozevin and Gorkem Okudan</i>	SUS-17, Experimental Investigation on Self Curing Recycled Aggregate Concrete Members <i>Vankudothu Bhikshma, J. Ravi Kumar</i>	GFE-05, Comparative Investigation of Two Design Methods for Slab-on-Grade Foundations Subjected to Concentrated Loads <i>Md. Nazieh Jilati, Vicki Lee Brown, Xiaochao Tang</i>
15:40-16:00	CON-54, 3D Printing in Civil Engineering: A Systematic Literature Review <i>Ibrahim Engin Ozturk, Gozde Basak Ozturk</i>	GFE-11, Clayey Soil Treated by Cement and Quicklime by Microstructure: A Mineralogical Analysis <i>Husam Hikmat Baqir, Aqeel Al-Adili, Kawther Al-Soudany, Ali Shareef</i>		MAT-47, Constitutive models for predicting engineering properties of alkali activated concrete utilizing natural pozzolan <i>Md. Ibrahim, Megat Azmi Johari, Md. Rahman, Md. Maslehuddin, Hatim Dafalla Mohame</i>	GFE-14, Effects of an Enzyme on The Performance of Subgrades <i>Daniela Ionescu, Joe Petrolito</i>
Tea and Coffee Break 16:00-16:30 (ERF Lobby, 1st Floor)					



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Technical Session 3 - Tuesday, May 21, 2019, 16:30-18:10					
	Session 3-1 ERF Room 1003 <u>Session Chair</u> Debby Willar Innovative Housing Technologies	Session 3-2 ERF Room 1023 <u>Session Chair</u> Detlef Heck Project Management	Session 3-3 ERF Room 1033 <u>Session Chair</u> Isamu Yoshitake Geopolymer Concrete	Session 3-4 ERF Room 1043 <u>Session Chair</u> Azadeh Parvin Dynamic Response of Structures	
16:30-16:50	SUS-07, Life Cycle Cost Analysis of Energy Efficient Single Family Residence <i>Ayushi Hajare, Emad Elwakil</i>	CPM-18, Challenges and Risks Relating to MEP Engineering in Large Building Construction Projects <i>Michael Monsberger</i>	MAT-05, Mechanical and Durability Characteristics of GGBS Dolomite Geopolymer Concrete <i>Aikot Pallikkara Shashikala, Praveen Nagarajan, Saranya Parathi</i>	STR-30, Seismic Design of Frame Structures Equipped with Innovative Hysteretic Dissipative Devices <i>Michele Palermo, Vittoria Laghi Stefano Silvestri, Giada Gasparini, Tomaso Trombetti</i>	
16:50-17:10	HOS-02, Bioclimatic Analysis of Meche's House: A Construction Alternative <i>Mauro Cepeda Ortiz, Santiago Morales Flores, Enrique Villacis</i>	CPM-04, The Project Boundary and Occupational Stress <i>Ken Farnes</i>	MAT-30, Behavior of M 50 Grade Self-Compacting Concrete Developed Using Portland Slag Cement and Metakaolin <i>Sravya Nalla, Janardhana Maganti, Dinakar Pasla</i>	STR-25, Seismic Performance Evaluation of Piloti-Type Buildings After an Earthquake <i>Hye-min Shin, Kyung-jae Shin, Su-woong Lee, Dae-geun Kim, Min-ki Lee, Jun-seop Lee</i>	
17:10-17:30	HOS-01, Meche's House or "Being in the World": A Post-Disaster Community Building Experience <i>Fernando Hinojosa, Enrique Villacis, Maria Lorena Rodriguez, Cynthia Ayarza</i>	CPM-05, The Potential of Knowledge Management on Construction Sites <i>Cornelia Ninaus, David Knapp</i>	MAT-48, Effect of Incorporating Nano Zeolite on the Strength of Natural Pozzolan-Based Geopolymer Concrete <i>Muhammad Kalimur Rahman, Mohammed Ibrahim, Mohammed Salihu Barry, Hassan Al Khalifa</i>	STR-63, Effect of Site Amplification on Seismic Safety Evaluation of Flyover Pier <i>Mohammad Raihan Mukhlis, Md. Abdur Rahman Bhuiyan</i>	
17:30-17:50	MAT-08, Utilization of Superabsorbent Polymers in Plasters for Moderation of Indoor Relative Humidity Level <i>Jan Fořt, Magdaléna Doleželová</i>	CPM-07, Strategic Synergy of Service Offerings within a Professional Services Firm <i>John A. Kuprenas, Lara H. Jennings</i>	SUS-31, Blended Metakaolin and Waste Clay Brick Powder as Source Material in Sustainable Geopolymer Concrete <i>Mahmood F. Ahmed, Wasan I. Khalil, Qais J. Frayyeh</i>	STR-53, Seismic Evaluation of Square HSS Braces in SCBF Using Regression Analysis <i>Mahmoud Faytarouni, Onur Seker, Bulent Akbas, Jay Shen</i>	
17:50-18:10	AAE-13, Case Study Comparisons of the Ecological Footprint on Social Housing After Earthquake <i>Michael Davis, Enrique Villacis, M. Lorena Rodriguez, Cynthia Ayarza, Domenica Davila, Cristina Fernandez, Daniela Jarrin, Josselyn Nacevilla, Javier Vizcaino</i>		MAT-40, Mechanical and Micro-structure Characterization of Steel Fiber-Reinforced Geopolymer Concrete <i>Said Elkholy, Hilal El-Hassan</i>	STR-101, Model Analysis of High-Rise Structures for Wind and Earthquake Forces <i>Vankudothu Bhikshma, Mohammed Hamraj, Ruttal Tejaswini</i>	
End of Day 1 Sessions					



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Wednesday - May 22, 2019		
8:00-17:00	Registration	ERF Lobby, 1 st Floor
8:30-9:00	Announcements	Lecture Center A, Room A001
9:00-9:40	Keynote: Professor Suat Gunhan, University of Texas at San Antonio	
9:40-9:50	Networking Break	
9:50-10:30	Keynote: Dr. Christopher Burke, Founder of Christopher B. Burke Engineering	
Tea and Coffee Break 10:30-11:00 (ERF Lobby, 1 st Floor)		



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Technical Session 4 - Wednesday, May 22, 2019, 11:00-13:00

	Session 4-1 ERF Room 1003 <u>Session Chair</u> Edward Minchin Manufacturing Systems for Construction	Session 4-2 ERF Room 1023 <u>Session Chair</u> Mehdi Modares Modeling in Construction Management	Session 4-3 ERF Room 1033 <u>Session Chair</u> Sai On Cheung Disaster Preventive Strategies in Construction and Management	Session 4-4 ERF Room 1043 <u>Session Chair</u> Josef Machacek Steel Structures Part I	
11:00-11:20	CON-47, Application of Lean Methods for Productivity Improvement in Steel Fabrication Shops: A Case Study <i>Manuel Dufresne, Ho-Yan Mok, Reza Shakeri, Mohamed Elbarkouky, Vishal Sharma</i>	CON-06, Modeling Construction Organization Performance in Post-Conflict Environment <i>Qais Amarkhil, Emad Elwakil</i>	RAD-06, Research on the Measures Against Large Earthquakes and Taking Refuge at One's Own Home <i>Akie Hisagi, Takashige Ishikawa</i>	STR-40, Design of Bolted Connections Subject to Torsion and Shear in the Ultimate Limit Stress State <i>Mohamed S. Abu-Yousef, Ezzeldin Y. Sayed-Ahmed, Emam A. Soliman</i>	
11:20-11:40	CON-48, Identification of Critical Infrastructure Using Data Mining Techniques <i>Su-Ling Fan, Chang-Saar Chai, Kumar Vikram</i>	CON-31, Exploring Applications of Blockchain Technology in the Construction Industry <i>Alireza Shojaei</i>	RAD-07, Model Disaster Prevention Lessons in Primary School Based on Disaster Prevention Education Policies <i>Noriko Imura, Takashige Ishikawa</i>	STR-41, Stress State of Steel Tube of Square CFT Columns Which Reached Short-Term Allowable Strength <i>Mao Liu, Ryo Handa, Masae Kido, Keigo Tsuda</i>	
11:40-12:00	STR-80, Amass: Advanced Manufacturing for the Assembly Structural Steel <i>Arturo E. Schultz, Jia-Liang Le, Mohammad E. Shemshadian, Ramzi Labbane, Debra F. Laefer, Salam Al-Sabah, Linh Truong-Hong, Minh Huynh, Patrick McGetrick, Tony Martin, Pantelis Matis</i>	CON-32, Revisiting Systems and Applications of Artificial Neural Networks in Construction Engineering and Management <i>Alireza Shojaei, Amirsaman Mahdavian</i>	CSA-03, An Investigation of Fatal Accidents in Demolition Work of Buildings <i>Hiroki Takahashi</i>	STR-46, Mechanical Properties of Structural Steel and High-Tension Bolt at Elevated Temperature <i>Kyung-Jae Shin, Hee-Du Lee, So-Yeong Kim, Da-Som Chu, Jong-Hun Woo</i>	
12:00-12:20	CON-04, The Application of Weld-Based Additive Manufacturing Steel to Structural Engineering <i>Vittoria Laghi, Michele Palermo, Giada Gasparini, Stefano Silvestri, Tomaso Trombetti</i>	CON-26, The Brexit and Its Impacts on the Construction Industry <i>Hossein Ataei, Farnaz Taherkhani</i>	INF-02, Buried Transportation Structures: Fuzzy-Markov Computation Case Study <i>Koorosh Gharehbaghi, Ken Farnes</i>	STR-47, Research on Wind Performance and Field Experiment of Large Scale Complex Surface Space Truss with Steel Pipe <i>Xiuli Wang, Yonghong Ran, Huyue Zhang, Yanpeng Zhu</i>	
12:20-12:40	CON-05, Contents Under Pressure: Distinguishing Impregnated Fire-Retardant-Treated Wood from Surface-Applied Treatments in the 2018 International Building Code <i>Mike Eckhoff</i>	CON-34, Improving Competitiveness in International Construction <i>Suat Gunhan</i>	INF-01, Fatigue Life Analysis of Rail-Welds Using Linear Elastic Fracture Mechanics <i>Mequanent Mulugeta Alamnie, Yalelet Endalamaw</i>	STR-12, Load Bearing Structural Assembly <i>Bradford Russell</i>	
12:40-13:00		EPE-03, Globalization and the Construction Engineering and Management Education <i>Hossein Ataei</i>	CPM-10, Quantity Uncertainties in Reinforcement Works - Comparison of Public Versus Private Clients <i>Markus Kummer</i>	STR-96, Experimental and Numerical Studies of Structural Performance of Notch Damaged Steel Beams <i>Said Elkholy, Bilal El-Ariss</i>	

Lunch 2: 13:00-14:00 (ERF 2nd Floor, CME Atrium)



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Technical Session 5 - Wednesday, May 22, 2019, 14:00-16:00

	<p style="text-align: center;">Session 5-1 ERF Room 1003 <u>Session Chair</u> John Kuprenas</p> <p style="text-align: center;">Decision Making and Neural Network in Construction</p>	<p style="text-align: center;">Session 5-2 ERF Room 1023 <u>Session Chair</u> Amarjit Singh</p> <p style="text-align: center;">Law and Dispute Resolution & Educational Practices</p>	<p style="text-align: center;">Session 5-3 ERF Room 1033 <u>Session Chair</u> Didem Ozevin</p> <p style="text-align: center;">Composite Systems</p>	<p style="text-align: center;">Session 5-4 ERF Room 1043 <u>Session Chair</u> Vankudothu Bhikshma</p> <p style="text-align: center;">Steel Structures Part II</p>	
14:00-14:20	AAE-01, Multi-Criteria Decision Making in Early Stage Design: Capturing the Dynamics Using Utility Theory <i>Joas Serugga, Michail Kagioglou</i>	LDR-01, Implementing Contractor Know-How in Early Phases of Complex Infrastructure Projects <i>Lena Paar, Cornelia Ninaus, Detlef Heck</i>	STR-38, Experimental Study on Continuous Beam Type Square CFST Beam-To-Column Connection <i>Takashi Fujinaga, Charles G. Clifton</i>	STR-54, Impact of Introducing Semi-Rigid Moment Frames on Seismic Response of Braced Frames <i>Mahmoud Faytarouni, Onur Seker, Bulent Akbas, Jay Shen</i>	
14:20-14:40	AAW-11, Automating Backhoe Operation Using Fuzzy Logic <i>Deepak K. Sharma</i>	LDR-03, Reactive Devaluation as a Barrier Against Amicable Construction Dispute Settlement <i>Keyao Li, On Yi Chow, Sai On Cheung</i>	STR-15, Semi-Composite Structures for Sewer Renovation <i>Masaaki Nakano, Zihai Shi, Yukari Nakamura, Yukitoshi Iwasa, Kimitaka Uji</i>	STR-59, Analysis of Buckling and Bending Failure of Aluminum Column Sections Used in Emergency Restoration Towers <i>Sarah Ramji, Ciro Pasini, Yongjian Chang and Oya Mercan</i>	
14:40-15:00	CON-15, Analysis of Impediments to a Successful Constructability Process in Highway Construction <i>R. Edward Minchin, Reihaneh Samsami, Dan Tran, Daniel D'Angelo, Sidney Scott, Yifeng Tian, Haekyung Im, Jeffrey Russell</i>	LDR-04, A Study of Endowment Effect in Construction Project Dispute Resolution <i>Keyao Li, Yui Hang Ng, Sai On Cheung</i>	STR-75, Seismic Performance of Structural Frames and Joints in Wood Tall Buildings <i>Eman Saleh, Jamshid Mohammadi</i>	STR-67, Collapse and Buckling of Stainless Steel Prestressed Stayed Columns <i>Josef Machacek, Radek Pichal</i>	
15:00-15:20	AAE-18, The Importance of the Property Management Companies as Condominium Juridical Persons <i>Kanyapa Aramraks, Tomoyuki Gondo</i>	RAD-14, Disputed Risks in Construction <i>Rita Awwad, Joe Karam</i>	STR-71, FRP-Flexural Strengthening of Steel Beams: A Finite Element Analysis Study <i>Bibek Regmi Bagale, Azadeh Parvin</i>	STR-83, Developing a Methodology for Using the Continuous Strength Method for Built-Up I-Section <i>Raquibul Hossain, Shadman Sakib, Maleha Alam</i>	
15:20-15:40	CON-18, Best Practices for the Design Process for the Horizontal Design-Builder <i>Giovanni C. Migliaccio, R. Edward Minchin, Umberto C. Gatti, Lourdes Ptschelinzew, Kenneth E. Atkins, Gregory A. Hostetler</i>	EPE-07, Current Practices of Experiential Learning in Construction and Technology Programs <i>Ahmed Abdelaty, K. Joseph Shrestha</i>	STR-81, Deterioration of Concrete Sulfur Storage Tank Under Acidic Vapor Attack <i>H. A. Khalifah, M. K. Rahman, O. M. Hamdan, M. Abu Haid, M. Ibrahim, A. H. Gadhib</i>	STR-92, The Basics of Fixed Connection in Analysis and Design of Steel Frames <i>Muangsangop Seni Wongse</i>	
15:40-16:00	OTH-04, Prediction of Uneven Distribution of Snow Load Based on Generalized Regression Neural Network <i>Yu Zhang, Qingwen Zhang</i>	LDR-02, Causes of Deviations in Project Execution and Their Effects <i>Florian Müller, Alexander Tupi, Detlef Heck</i>		STR-58, Crack Pattern Prediction of Laterally Loaded Panels with Openings Based on Ann Method <i>Qingwen Zhang, Yongfei Wang, Yu Zhang</i>	
End of Technical Sessions					



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Wednesday - May 22, 2019

16:00-17:30	Free Time	
17:30	Meet at UIC for the transportation to banquet	In Front of UIC ERF Building
17:30-22:00	Banquet –Cruise at Lake Michigan	Navy Pier

Thursday - May 23, 2019

13:00-16:00	Technical Tour – Architecture Boat Tour	Meeting at ERF Building
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Friday - May 24, 2019

11:00-17:00	Cultural Tour 1 – Science and Industry Museum	Meeting at ERF Building
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Saturday - May 25, 2019

11:00-15:00	Cultural Tour 2 – Art Institute of Chicago	Meeting at ERF Building
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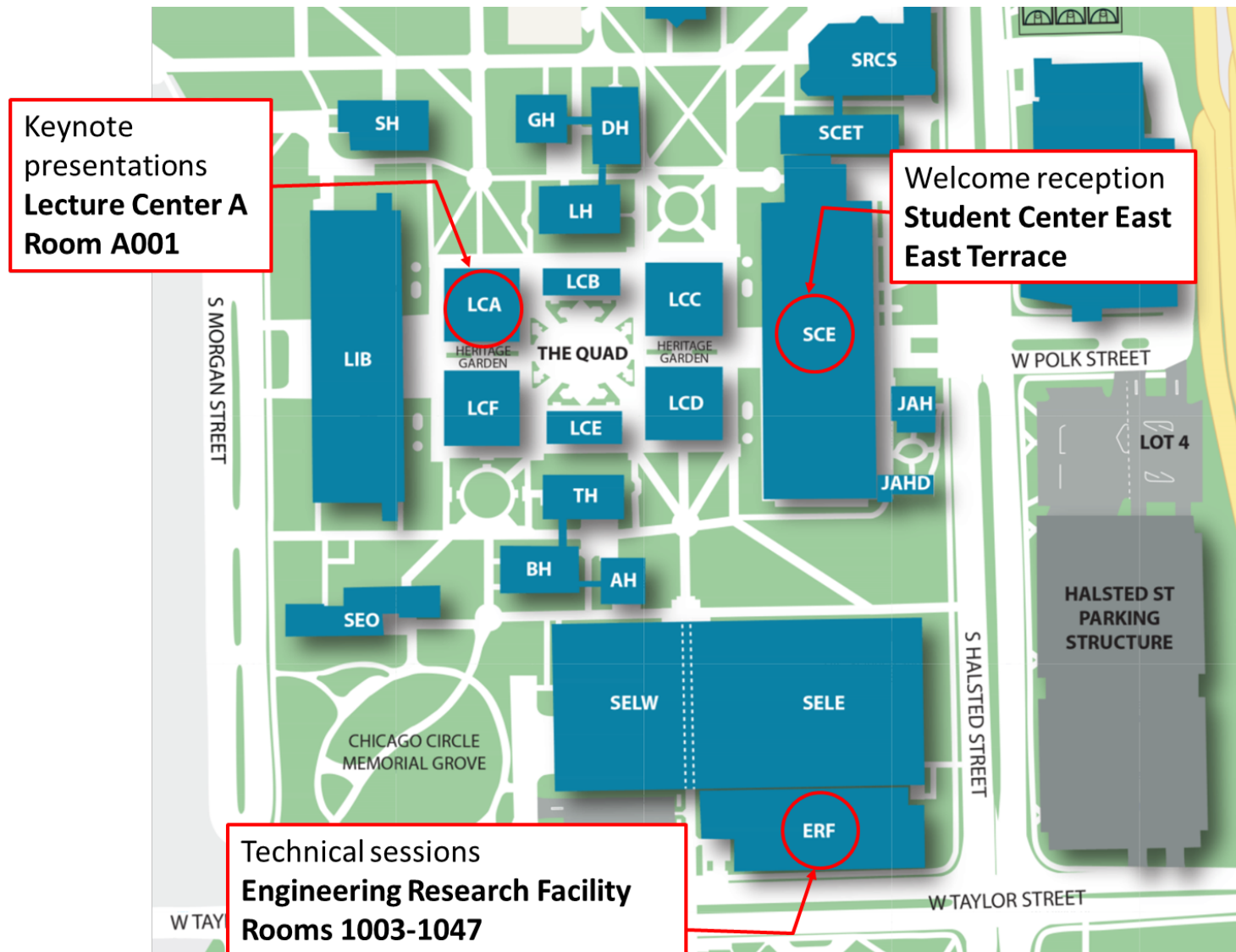
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