



5th International Project and Construction Management Conference (IPCMC 2018)

16–18 November 2018
North Cyprus



Hosted By
CYPRUS INTERNATIONAL UNIVERSITY

Conference Schedule

16-18 November 2018, Acapulco Hotel, Cyprus

16 November 2018

08:00 to 09:00	Registration and Reception
09:00 to 10:00	Opening Ceremony
10:00 to 10:30	Coffee Break
10:30 to 11:30	Keynote Speaker Prof. Dr. Ronald McCaffer (Loughborough University) (Hall 1)
11:30 to 13:00	Session 1 (Hall 1, Hall 2, Hall 3 and Hall 4)
13:00 to 14:00	Lunch Time
14:00 to 15:00	Keynote Speaker Prof. Dr. David Arditi (Illinois Institute of Technology)
15:00 to 16:30	Session 2 (Hall 2, Hall 3 and Hall 4)
16:30 to 17:00	Coffee Break
17:00 to 18:30	Session 3 (Hall 2, Hall 3 and Hall 4)
20:00	Gala Dinner (Hall 1)

17 November 2018

09:00 to 10:00	Keynote Speaker Prof. Dr. Ghassan Fouad Aouad (Applied Science University) (Hall 1)
10:00 to 11:00	Session 4 (Hall 1, Hall 2, Hall 3 and Hall 4)
11:00 to 11:30	Coffee Break
11:30 to 13:00	Session 5 (Hall 1, Hall 2, Hall 3 and Hall 4)
13:00 to 14:00	Lunch Time
14:00 to 15:00	Keynote Speaker Abdullah Halit Erenay (Kalyon İnşaat) (Hall 1)
15:00 to 16:30	Session 6 (Hall 1, Hall 2, Hall 3 and Hall 4)
16:30 to 17:00	Coffee Break
17:00 to 18:30	Session 7 (Hall 1, Hall 2, Hall 3 and Hall 4)
18:30 to 19:00	Award and book signing ceremony (Hall 1)

18 November 2018

09:00 to 11:30	Session 8 (Hall 1, Hall 2, Hall 3 and Hall 4)
11:30 to 12:00	Coffee Break

HALL 1

Chair: Aynur Kazaz

Paper ID	Title	Author(s)
94	Construction Project Management Problems and Solution Proposals of Education Buildings	Z. Özlem Parlak Biçer, Zafer Tarık Taner, H. Kübra Kuruköse, Pembegül Öztürk
104	A Case Study: Is Gender Important on the Employees of the Construction Sector?	Z. Özlem Parlak Biçer, Fazıl Akdağ, Ebru Şahinkaya
51	Three Major Build Operate Transfer Projects in Turkey	Pelin Alpkokin, Anil Acar, Sabahat Topuz Kiremitci
45	Megaproject Management with Particular Reference to a Mass Rapid Transit Project in Turkey	Pelin Alpkokin, Sabahat Topuz Kiremitci, Ugur Kiziltepe, Fatih Canitez
43	A General Overview of Life Cycle Assessment	Şerife Gökçe, Osman Aytekin, Hakan Kuşan, İsmail Zorluer
Questions and answers (15 minutes)		

HALL 2

Chair: Güzide Atasoy Özcan

Paper ID	Title	Author(s)
283	Knowledge Transfer Partnership Program for BIM Implementation in the AEC Industry in Turkey: Critical Success Factors	Osama AL-Maabreh, Tolga Çelik, Y. Arayıcı
115	A Meta Analysis of Last Planner System Approaches as a Lean Construction Tool	Esra Aydın, Füsün Çizmeçi Yöreş
109	Inter-relations between Critical Success Factors of ERP Systems and ISO 9001 QMS Elements in the Construction Industry	Ali Murat Tanyer, Volkan Polat
105	Professional Ethics Analysis in the Construction Industry	Yeliz Tulubas-Gokuc, Erkan Karaman, Tugce Nur Isik
39	A Critical Review on Design Phase Related Latent Defects in Buildings	Tayibe Seyman Güray
Questions and answers (15 minutes)		

HALL 3**Chair: Gökhan Arslan**

Paper ID	Title	Author(s)
267	Utilization of Local Waste Materials in Construction Industry - A Case Study in Nicosia	Osama Alayish, Tahir Çelik, Ertan Akün
68	Determination of Opinions of Turkish Contractors on the Use of Mediation and Construction Mediation Institutions	Yaprak Arici Üstüner, Elçin Taş
159	Evaluation of Energy and Atmosphere Credit Achievements of LEED-Certified Buildings in Turkey	Gul Polat, Harun Turkoglu, Naz Yikilmaz, Atilla Damci
148	Towards Green Campuses: Students' Perceptions and Expectations	Ecem Tezel, Mehmet Uğural, Heyecan Giritli
114	A Literature Review of Sustainability Assessments of Infrastructure Systems	Müge Yüksel, Ali Murat Tanyer, Mehmet Koray Pekerçli
Questions and answers (15 minutes)		

HALL 4**Chair: Esin Ergen Pehlevan**

Paper ID	Title	Author(s)
172	Contemporary Issues in Mega Construction Projects	Huseyin Erol, Irem Dikmen, Guzide Atasoy, M. Talat Birgonul
240	A Roadmap for Domain-Specific Ontology Establishment in Construction Industry	Gozde Basak Ozturk, H. Murat Gunaydin
47	The New Severity Scale of Occupational Accidents for Construction Projects	Senem Bilir Mahcicek, Gürkan Emre Gürcanlı
91	The Analysis of the Effect of Syrian Immigrants' Workforce on Turkish Building Sector, A Case of Construction Sites in Kayseri	Z. Özlem Parlak Biçer, Zafer Tarık Taner, Nagehan Oymakapu
117	Evaluation of Qualified Labour in Construction Sector: Stonemasonry Masters in Kayseri	Z. Özlem Parlak Biçer, Ebru Şahinkaya, Fazıl Akdağ
Questions and answers (15 minutes)		

HALL 2**Chair: Onur Tokdemir**

Paper ID	Title	Author(s)
162	Integration of Construction Risk and Earned Value Management	Emir Sarialan, Murat Gunaydin
169	Maintainability Issues: The Gap between Design and Facility Management	Bahadir Barbarosoglu, David Arditi
110	BIM Adoption in Metro Projects: Challenges and Lessons Learned	Billur Kazaz, A. Sinan Alemdar, Mustafa Murteza, Esin Ergen
287	Critical Success Factors for Public Private Partnership Projects in Turkey	Cenk Budayan
279	The Impact of User Behavior on the Retrofitting Decision for Dormitory Buildings-A Case Study on Saritepe Campus Dormitory	Semra Comu Yapici, L. S. Soysal
	Questions and answers (15 minutes)	

HALL 3**Chair: Gülben Çalış**

Paper ID	Title	Author(s)
262	An Experimental Study on Impact of Risk Data Visualization on Risk Evaluations	Irem Dikmen, Ahmet Tolga Ozbakan, Acelya Ecem Yildiz, Gorkem Eken
268	Improving Health and Safety Works in Construction Sites: Case Study in Libya	Abdussalam Elkarshofi, Tahir Çelik
168	An investigation into the Relationship between Safety Culture, Mindfulness and Safety Behaviors. A Case Example from the Construction Industry	Gaye Surozu, Mehmet Ugural, Heyecan Giritli
182	Construction Risk Management in Developing Countries	Tuna Erata, Fatma Heyecan Giritli
75	Change in Occupational Health and Safety Management System: ISO 45001:2018	Mert Uzun, G.Emre Gürcanlı, Senem Bilir
	Questions and answers (15 minutes)	

HALL 4**Chair: Elçin Taş**

Paper ID	Title	Author(s)
82	Analysing Project and Construction Management Research: Perspectives from Graduate Studies in Turkey	Bahriye Ilhan, Pinar Irlayici Cakmak
81	Transferring, Translating and Transforming Knowledge in Construction Project Organizations: A Simulation Model	Evren Ülkeryıldız, Serdar Kale
56	An Integrated Approach for HVAC-AHU System Selection in Green Projects	Hasan Gokberk Bayhan, Gul Polat, Harun Turkoglu, Fatma Olcay Ertürk, Bulent Goktas, Mehmet Batıkan Arısoy
55	Adaptive Building Envelope Systems: A Literature Review	Senem Bilir Mahcicek
79	Problems of Ready-Mixed Concrete Producers in Turkey	Volkan Arslan, Serdar Ulubeyli, Aynur Kazaz
	Questions and answers (15 minutes)	

HALL 2

Chair: Evren Ülkeryıldız

Paper ID	Title	Author(s)
158	An Integrated Multi-Attribute-Decision-Making Approach for Main Contractor Selection: A Case Study	Gul Polat, Harun Turkoglu, Umur Ozden, Atilla Damci
247	Investigation of The Sunshine Duration Effects on The LEED BC+D Certificated Projects in Turkey in Terms of Electricity Consumption and Production	Aynur Kazaz, Seyda Adiguzel Istil, Turgut Acikara
230	Sufficiency of Corporate Ethical Codes of Turkish Construction Firms as a Challenge to Survive in the International Arena	İkbal Erbaş
59	Activity-Based Prevention Cost in Construction: The Case of Ready-Mixed Concrete Pouring Activity	Serdar Ulubeyli, Aynur Kazaz, Selim Şahin
208	Tender of Construction Works with Original and Complex Technical Characteristics within the Scope of Public Procurement Law: Bargaining Procedure, Article 21 (E)	Aynur Kazaz, Ersan Erkovan
Questions and answers (15 minutes)		

HALL 3

Chair: Huriye Bilisel

Paper ID	Title	Author(s)
16	Assessment of the Capabilities of Commercial Tools to Develop 4D/5D Models	Mustafa Yeşilyurt, Esin Ergen Pehlevan
196	Barriers to Adopting MMC by the Construction Industry in the UK	A Ganah, M Williamson, G. John
15	Brand Identity in Turkish Housing Market	Nebibe Safran, Almula Köksal
126	Investigating the Effectiveness of Using Fiber Reinforced Polymer on Pipelines in Industrial Plants	Mehmet Emre Atlı, Gulben Calis
54	Potential Uses for Robotics in Construction Projects	Melih Akca, Mehmet Koray Pekerçli
Questions and answers (15 minutes)		

HALL 4**Chair: Cenk Budayan**

Paper ID	Title	Author(s)
285	The Effect of Project Variables on Cost/Time of Construction Project	Osman İter, Tahir Çelik
173	Discussion of a Case File for the Revised Unit Price Practice in Construction Works	Savas Bayram
121	Life Cycle Costing in Construction Sector: State of the Art Review	Seyda Emekci, Ali Murat Tanyer
223	Determining Costs of Construction Errors, Based on Fuzzy Logic Systems	Mohammad Lemar Zalmai, Cemil Akçay, Ekrem Manisalı
241	Limitations in Quantification of Head Office Overheads in the Turkish Construction Industry	Zeynep Sözen
	Questions and answers (15 minutes)	

HALL 1**Chair: İrem Dikmen Toker**

Paper ID	Title	Author(s)
72	Delay Analysis in Construction Projects with no Updated Work Schedules	Ekrem Manisali, Osman Hürol Türkakın, David Arditi
149	Gathering Data for Eligible Extension of Time Claim in Construction Projects	Polat Ülgey, Mehmet Koray Pekerçli
17	Quality Obligations of Contractors and Punch-Lists in Road Construction Projects: A Design and Build (D&B) Road Project Study in Turkey	Rıfat Akbıyıklı, Seyyit Ümit Dikmen
Questions and answers (15 minutes)		

HALL 2**Chair: Serdar Ulubeyli**

Paper ID	Title	Author(s)
20	Challenges and Complexity in Multidisciplinary Projects' Process Management	Özge Selen Duran, Ali Murat Tanyer
5	Cross-cultural Communication Barriers in Multinational Construction Projects	Andaç Kaptanoğlu
25	Using Augmented Reality in Construction Project Activities	Serkan Kıvrak, Gökhan Arslan
Questions and answers (15 minutes)		

HALL 3**Chair: Ali Erhan Öztemir**

Paper ID	Title	Author(s)
194	The Effect of Project Team Organization and Communication on a Project's Success in the Construction Industry: A study on the Lebanese Architecture Firms	Karen Boujaoudeh
281	Symbiotic Data Platform: Prototype I and Prototype II	Zeynep Birgönül, Ana Cocho-Bermejo
277	Artificial Intelligence in BIM Curriculum	Julide Bozoglu
Questions and answers (15 minutes)		

HALL 4**Chair: Derviş Deniz**

Paper ID	Title	Author(s)
274	Utilizing Analytical Hierarchy Process (AHP) for Multi-Criteria Decision-Making in Project Management and Contractor Selection Decision Making	M. Almuhsen, Hüseyin Gökçekuş, Tahir Çelik
1	Factors affecting the Construction Waste Management in terms of Refurbishing, Reusing or Recycling	Syed Faisal Ali, Amer Ali, Ali Bayyati
73	Construction Project Process Waste Analysis for Managing and Minimizing: A Literature Review	Gizem Can, Elçin Taş
	Questions and answers (15 minutes)	

HALL 1

Chair: Gül Polat Tatar

Paper ID	Title	Author(s)
206	Corporate Project Management System Design and Implementation Model: İSBAK experience	Nesibe Kaya, Gökhan Gencan, Umut Sargin, Nurgül Biçer, H. Murat Günaydın, Fatih Gündoğan, Fatih Kafalı, Yusuf Kezer, Tuba Çataltaş Güç, Fatmanur Maraş
214	Real Estate Marketing and Sales Systems of Construction Companies (Case Study: iProperty.com/my)	Patience Ebekeyi Idoga
233	Optimum or Near-Optimum Resolution of Resource Leveling Problems with Spreadsheet Application	Tuğba Erzurum, Önder Halis Bettemir
243	Analysis of Factors Affecting the Health and Safety of Construction Workers	Patience E. Idoga
192	Impact of Emerging Trends to Risk Management in Construction Projects	Gulsah Dagkiran, İrem Dikmen, M. Talat Birgonul
Questions and answers (15 minutes)		

HALL 2

Chair: Aslı Pelin Gürgün

Paper ID	Title	Author(s)
167	Assessment of Migrant Labour in Construction	Nur Atakul, Faruk Büyükyoran, Sema Ergönül, Selin Gündeş
166	Clustering of Countries to Facilitate Knowledge Transfer between Similar Markets	Beste Ozyurt, Gozde Bilgin, İrem Dikmen, M. Talat Birgonul
118	Investigation of Indoor Environmental Conditions of a Historical Building in İzmir	Türkan Göksal Özbalta, Yusuf Yıldız, İrem Bayram
170	A Resource Based Perspective on The Evaluation of Turkish Construction Firm Resources	Ozlem Geylani Sahinoglu, Hüseyin Attila Dikbas
97	An Investigation into the State of the Art of the Literature on Marketing in the Construction Industry	Ahmet Tuz, Begüm Sertyeşilişik
Questions and answers (15 minutes)		

HALL 3**Chair: Serdar Kale**

Paper ID	Title	Author(s)
69	Hierarchy of Control Measures for Common Construction Activities: A Field Study	Mert Uzun, Senem Bilir, G. Emre Gürcanlı, Selçuk Cebi
275	Occupationally Safer Designs in Construction Industry: BIM Based Solution Method	Kemal Dirgen Tozer, Tahir Çelik, G. E. Gürcanlı
19	A Subcontractor Health and Safety (H&S) Management Framework Proposal for a Road Project in Turkey	Rıfat Akbıyıklı, Seyyit Ümit Dikmen
8	A Semi Automated Rule Based Approach For Safety Based Scheduling	Merve Sevim, Gürkan Emre Gürcanlı
7	Health and Safety Documentation System Establishment in Construction Projects Through Planning and Scheduling	Merve Sevim, Gürkan Emre Gürcanlı
Questions and answers (15 minutes)		

HALL 4**Chair: Zeynep Işık**

Paper ID	Title	Author(s)
176	BIM Implementation in Infrastructure Projects: Benefits and Challenges	Aslı Akcamete, Esin Ergen, Saniye Oktem
174	Review of Studies on BIM Adoption in AEC Industry	Ensar Ademci, Selin Gündeş
171	BIM and Lean Synergies conceptual framework in the Istanbul Grand Airport Project	Mehmet Sakin, Ozan Koseoglu, Yusuf Arayici
147	Opportunities and Challenges of BIM-Based Risk Management in Different Phases of Building Production	Fahriye Dilara Dabakoglu, Tugce Ercan
139	Bridging the Information Gap Between BIM and Building Codes: A Practical Approach Utilizing IFC Property Sets	Sibel Macit İlal, Mustafa Emre İlal
Questions and answers (15 minutes)		

Session Six:**17 November: 15:00 to 16:30****HALL 1****Chair: Yusuf Arayıcı**

Paper ID	Title	Author(s)
286	Prognosis for Smart Proactive Management of Bridges	Ahed Habib, U. Yıldırım
257	Modeling Highway Projects: The Need for Highway Information Modeling (HIM) Guidelines and Information Exchanges	Ugurcan Ertaymaz, Guzide Atasoy
251	Affordable Housing in Turkey Through Lean Construction Framework	Didem Uğurlu, Begüm Sertyeşilişik
231	Game Theory Applications in Construction Management Literature	Hande Aladağ, Gökhan Demirdögen, Kerim Koç, Zeynep Işık
234	Multi-Project Multi-Resource Leveling Using Mixed Integer Programming	Murat Altun, Rifat Sonmez, Asli Akcamete
	Questions and answers (15 minutes)	

HALL 2**Chair: Rifat Akbıyıklı**

Paper ID	Title	Author(s)
164	A Model to Assess Government Guarantees in BOT Toll Road Projects using Optimized Real Options Approach	Selin Gündeş, Faruk Büyükyoran
155	Claims and Adjudication under 2017 Edition FIDIC Contracts	Pelin Alpkokin, Sercan Aktti
152	Establishing Success Measurements of International Joint Ventures in Aviation Projects: A case of TAV-ACC	Guzin Aydogan
101	A Value at Risk Model for Managing Financial Risks in Public Private Partnerships Investments: The Case of Osmangazi Bridge	Mina Yavuz, Serdar Kale
60	Factors Affecting the Choice of Dispute Resolution Methods in International Construction Contracts	Sahar Bahemat, Pinar Irlayici Cakmak, Heyecan Giritli
	Questions and answers (15 minutes)	

HALL 3**Chair: Alaatin Kanoğlu**

Paper ID	Title	Author(s)
124	Do Gender and Age Group Affect Thermal Sensation? A Field Study in an Office Building	Merve Kuru, Gulben Calis, Jessica Mouawad
112	Investigation of Radon Exposure in Indoor Areas	Yılmaz Öğünç Tetik, İrem Bayram, Özge Akboğa Kale, Selim Baradan
95	The Review of Resilience Concept in Built Environment	Nilüfer Kızılkaya Öksüz, Ali Murat Tanyer, Mehmet Koray Pekerçli
86	Architects' Motivators and Personal Values	Atilla Damci, David Arditi, Gul Polat, Harun Turkoglu
63	Assessment of the Digital Competence of Construction Project Managers	Yelda Özge Doğan, Emrah Acar
	Questions and answers (15 minutes)	

HALL 4**Chair: Murat Günaydın**

Paper ID	Title	Author(s)
179	Identification of Queries for Decision Making in Building Operation and Maintenance	Artan Deniz, Yılmaz Neziha, Esin Ergen
100	Building Information Modelling for Performing Automated Quantity Take-Off	Behlül Kula, Deniz Artan, Esin Ergen
99	Integrating Facilities Management Data in Building Information Modeling	Behlül Kula, Deniz Artan, Gursans Guven, Esin Ergen
96	Compliance of Standard Forms of Construction Contracts and Protocols with BIM-Adopted Construction Sector in USA and UK	Ramazan Sari, Mehmet Koray Pekerçli, Ali Murat Tanyer
2	A Meta-Analysis Study for BIM Based Automated Code Compliance Checking	Murat Aydın, Hakan Yaman
	Questions and answers (15 minutes)	

HALL 1**Chair: Gürkan Emre Güranlı**

Paper ID	Title	Author(s)
33	Identifying Project Leadership Characteristics for Sustainable Building Projects	Suat Gunhan
282	Identification of Risk Factors for Solar Energy Investments in Turkey	Emre Caner Akcay
156	Risk Identification in Public Private Partnership Projects	Saeed Kamali, M. Talat Birgonul, Irem Dikmen
140	Risk Management in Construction Projects	Ruveyda Komurlu, Mustafa Dogru
132	Eye Tracking Technology in Architecture, Construction, and Engineering Industry	Bekir Enes Özel, Mehmet Koray Pekeriçi
Questions and answers (15 minutes)		

HALL 2**Chair: Atilla Damcı**

Paper ID	Title	Author(s)
52	Evaluation of Litigation Process in Turkish Construction Industry from the Perspective of Judicial Actors	Murat Cevikbas, Almula Köksal
42	Investigation and Evaluation of Development of Legislation for Sustainable Construction in Turkey	Şerife Gökçe, Hakan Kuşan, Osman Aytekin, İsmail Zorluer
18	Payment Issues in FIDIC Red Book (1999) and FIDIC Yellow Book (1999)	Rıfat Akbıyıklı, Seyyit Ümit Dikmen
27	Relation Between Environmental Sustainability and Corporate Social Responsibility: A Bibliometric Literature Review	Gizem Şimşir, F. Heyecan Giritli
130	A Review on Sustainability in School Facilities through the Perspective of Architects	Derya Yılmaz, Ali Murat Tanyer
Questions and answers (15 minutes)		

HALL 3**Chair: Serkan Kivrak**

Paper ID	Title	Author(s)
36	Electronic Procurement Systems and Building Information Modeling Integration in Construction Sector: A Case Study	Ayşen Saraç Çıracıoğlu, Hakan Yaman
32	BIM Based Design Optimization Framework for the Energy Efficient Building Design in Turkey	Renas Sherko, Yusuf Arayici
4	BIM (Building Information Modeling) & IFC (Industry Foundation Classes) & ACCC (Automated Code Compliance Checking) Concepts: An Overview	Murat Aydın, Hakan Yaman
3	A BIM Based Automated Code Compliance Checking Conceptual Model Proposal for Housing Projects in Turkey	Murat Aydın, Hakan Yaman
77	BIM Transition Process in Construction Companies	Beliz Ozorhon, Semih Caglayan, Mehmet Batikan Arisoy
	Questions and answers (15 minutes)	

HALL 4**Chair: Mohammed Ali Mosaberpanah**

Paper ID	Title	Author(s)
209	Planning for Optimum Solution - Case Study from the UK Highways Construction Management and Contract Specification for Operational and Environmental Benefits	Gökтуğ Tenekeci
210	Contract Specification and Application - A Case Study for Small Scale Construction Projects in the UK	Gökтуğ Tenekeci, Kemal Öztoprak
205	Assessment of Contract-based Challenges in Subcontracting	Aysegul Dedeoğlu, Esra Bostancioglu
225	Determination of Performance Criteria for Engineering and Design Firms	Yusuf Tamer Karabayir, Zeynep İşik
177	Significance of Document Management Systems in Construction Project Management and a Review for their Practice in the Turkish Construction Industry	A.Tolga Ilter, Pelin Karacar, Nilay Canbay Öztürk, Fatma Olcay Erturk
	Questions and answers (15 minutes)	

HALL 1**Chair: Tolga Çelik**

Paper ID	Title	Author(s)
44	Impact of Evolving Construction Project Management Techniques for Proper Project Delivery: Review on Constructability Review, Lean Construction (LC) and Value Engineering (VE) Techniques	Constant Mahame, Desire Ndahirwa, Wang En Mao
31	Job Satisfaction of Architects According to Career Stages: An Empirical Analysis	Sezer Savaş, Emrah Acar
9	Determining the Relationship between Burnout, Occupational Stress and Turnover Intention of Architects Working at Architectural Offices	Gülden Ayalp
76	Evaluating the Impacts of Project and Company Related Factors on Construction Project Success	Beliz Ozorhon, Omer Faruk Akgemik, Semih Caglayan
106	The Concept of Cost in Public Construction Projects in Turkey: A Critical Review	Bora Aldemir, Serdar Kale
221	Review of Methods of Earthen Construction	Kenechi Kurtis Onochie, Ayse Balkis Pekrioglu
37	A Heuristic for Resource-Constrained Multi-Project Discrete Time-Cost Trade-Off Problem	Basak Seyisoglu, Rifat Sonmez
161	A Critical Review of Post-Occupancy Evaluation (POE) Tools	Deniz Artan, Ergen Esin, Deniz Dönmez, Isilay Tekçe
235	ERP System Applications in Construction Project and Process Management	Hayati Küçük, Can Arda Kiremitçi, Aslı Altuntaş
Questions and answers (15 minutes)		

HALL 2**Chair: Kemal D. Tözer**

Paper ID	Title	Author(s)
216	Assessment of Social Sustainability in Green Building Certification Systems	Ayşe Müge Öz Döşer, Sema Ergönül
26	A Bibliographic Review of Internet of Things in the Construction Industry	Sanam Rezaeifam, Esin Ergen, Hüsnü Murat Günaydin

22	The Determination of the Importance of the Factors, Affecting Performance of Turkish Construction Companies in International Projects	Deniz Şahin, Elçin Filiz Taş
12	The Impact of Management (Style) on Cost of Quality in Engineering Projects	Hamza Krebish, Aysen Berberoglu
138	Assessment of Temporary Edge Protection System (TEPS)	Sadi Karademir, Sema Ergönül
71	Critical Success Factors in Architectural Design Firms in Turkey	Gökçe Ejder Yücel, Ali Murat Tanyer, Mehmet Koray Pekerçli
62	Towards a BIM-based System Integrated to a Virtual Reality Platform	Gulbin Ozcan Deniz
265	Leveraging Point Cloud Data for Detecting Building Façade Deteriorations Caused by Neighboring Construction	Zhuoya Shi, Semiha Ergan
	Questions and answers (15 minutes)	

HALL 3

Chair: Beliz Özorhon Orakçal

Paper ID	Title	Author(s)
23	SIMURG: A Performance-Based and Sustainability-Oriented Integration Model Using Relational Database Architecture to Increase Global Competitiveness of Turkish Construction Industry in Industry 4.0 Era	Alaattin Kanoğlu, D.A. Yazıcıoğlu, Ö. Özçevik
28	SIMURG_PERISCOPE: A Performance-based Integrated System for Construction Companies' Procurement Departments Based on the Variations of Estimated and Actual Risks/Comparative Evaluation of the Effects of Personal Attributes	Alaattin Kanoğlu, Mustafa Altındağ
29	SIMURG_MORPHO_BLUE: A Performance-Based Integrated Model at Building Premises Level: Analysis of Differences in Clients' and Designers' Value Systems in Kitchen Design	Deniz Ayşe Yazıcıoğlu, Alaattin Kanoğlu
34	SIMURG_CITIES: A Performance-Based Integrated Model for Design and Evaluation of Sustainable and Sophisticated Solutions at Cities Level: Determination of KPIs and Principles of Model at Conceptual Dimension	Burcu Ülker, Alaattin Kanoğlu, Özlem Özçevik
41	SIMURG_ARCADIA: A Performance-Based Integrated Relational Database Model for the Assessment Processes of Architectural Design Competitions in Professional Practice and Architectural Design Studios in Academia	Sinem Aktürk, Alaattin Kanoğlu
48	SIMURG_HELMET: An Integrated Solution for the Departments of Health of Labourers and Safety of Work in Construction Firms and a Relational Database Model for the Evaluation and Tracking the Performance of Department	Alaattin Kanoğlu, Baris Erdogan

122	SIMURG_PROJECTS: A Performance-Based Integrated Model for Design and Evaluation of Sustainable and Sophisticated Solutions at Projects Level of Built Environment: Search for the Lean Architecture of Relational Database	Nazlı Varlıer, Özlem Özçevik, Alaattin Kanoğlu
273	Lean and Agile Construction Management Signals from a 30- Year-Old Technical Paper	Haluk Çeçen
290	Sydney Opera House with its Construction Failures	Ayşe Balkis, Mehmet Fatih Toktas
	Questions and answers (15 minutes)	

HALL 4

Chair: Aslı Akçamete

Paper ID	Title	Author(s)
191	Examination of the Curriculums in Civil Engineering Education	Serkan Yıldız, Burak Oral, Kıvanç Bayat
157	Collection and Analysis of Data for Accreditation	Aslı Pelin Gurgun, Saadet Arzu Berilgen
24	Turkish Architectural and Civil Engineering Education within the Scope of Sustainable Construction	Fatih Topak, Onur Behzat Tokdemir, Mehmet Koray Pekerçli, Ali Murat Tanyer
87	Modeling of Zoning Information in GIS for Automated Code Checking	Yelin Demir Altıntaş, Mustafa Emre İlal
40	Heavy Equipment Productivity Analysis by Monte Carlo Simulation and CYCLONE Method	Gürkan Emre Güranlı, Çağla Küçükerden, Betül Temel, Ali Rıza Orhan, Abdullah Dursun
67	Causes and Effects of Construction Project Delays: A Local Case Study in Edirne City Centre	Dinçer Aydın, Esmâ Mihlayanlar
21	Contractor's Monitoring Process of Subcontractors' Quality Performance	Selver Ercan
153	Analysis of Factors Affecting Labor Productivity in Construction	Ali Erkan Karaman, Yeliz Tulubas Gokuc, Tuğçe İşik
	Questions and answers (15 minutes)	