

**8th International Project and Construction Management Conference (IPCMC 2024)**  
**Final Conference Programme**

<b>06 June 2024</b>	<b>09:00-09:30</b>	<b>Registration</b>			
	<b>09:30-09:45</b>	<b>Opening Speeches</b>			
	<b>09.45-10:45</b>	<b>Keynote Speaker-1:</b> İrem Dikmen School of Construction Management and Engineering, University of Reading, UK			
	<b>10:45-11:00</b>	<b>Coffee Break</b>			
	<b>11:00-12.30</b>	<b>Session 1 (Hall: Sirius) Digital Technologies</b>	<b>Session 2 (Hall: Vega) Digital Technologies</b>	<b>Session 3 (Hall: Canopus) Disaster, Risks and Resilience</b>	<b>Session 4 (Hall: Capella) Project Management</b>
		<b>PAPER ID: 4</b> The Role and Model of Building Inspection Systems in BIM Transformation Processes Zeliha Mirzagül Ünlü and Merve Anaç	<b>PAPER ID: 28</b> Digital Twin in Construction Industry: A Bibliometric Review I. Komar and H. M. Gunaydin	<b>PAPER ID: 54</b> A Model for Evaluating the Resilience of Construction Project Teams M. Aslan and S. Kale	<b>PAPER ID: 36</b> Classification of Delay Factors in the Construction Industry According to Stakeholders and Project B. U. Yilmaz and G. Can
		<b>PAPER ID: 7</b> BIM Supported Management of MEP Processes and Cost Impacts in Early Design Phase B.Barlas and M.B.Arisoy	<b>PAPER ID: 114</b> Targets In Augmented Reality And Virtual Reality Technology Applications In The Construction Industry A.Kazaz and H. Esendal	<b>PAPER ID: 78</b> Role of Spontaneous Volunteers for Community Resilience: Lessons Learned from the Southeastern Anatolia Earthquake Temporary Structures Project A. Şanlı and F.P. Çakmak	<b>PAPER ID: 37</b> Critical Success Factors for Public-Private Partnership (PPP) Projects: A Bibliometric Analysis E. Can, G. Bilgin and E.C. Akcay
		<b>PAPER ID: 15</b> Building Information Modeling (BIM) in Rail System Applications in Turkey Transition Processes Process Evaluations P. Coşkun and E. F. Taş	<b>PAPER ID: 150</b> Maturity Assessment for Digital Twins From an Artificial Intelligence Perspective Gozde Basak Ozturk, Ioannis Brilakis and O. Celenk	<b>PAPER ID: 83</b> Evaluation of Possible Post-Earthquake Resilience of Balıkesir-Gömeç District Anıl Tüysüz, Kerem Peker and Mehmet Rifat Akbulut	<b>PAPER ID: 44</b> An Investigation into Sustainable Construction Project Management in the Built Environment A.Tuz and D.Kurt
		<b>PAPER ID: 40</b> Crack Detection of Roads in Karadeniz Technical University Campus with Image Segmentation Method İ. N. Semercioğlu, H. B. Başağa, K. Hacıfendioğlu and B. A. Temel	<b>PAPER ID: 158</b> Demystifying the Potential of ChatGPT-4 Vision for Construction Progress Monitoring A.B. Ersoz	<b>PAPER ID :88</b> Impacts of COVID-19 on the Construction Sector Ö. Alboğa, B. Ün, G. Tantekin Çelik, S. Aydınli and E.Erdiş	<b>PAPER ID: 24</b> Circular Economy Risks in Construction Projects and Digital Technologies C. Coskun and D. Besiktepe and M. E. Ozbek
		<b>PAPER ID: 80</b> Exploring the role of common data environment in BIM B. Aktürk, M. B. Arisoy, and P. Irlayıcı Çakmak	<b>PAPER ID: 161</b> Generative AI Research Fields in the AEC-FM Industry G.B. Ozturk, I. Brilakis, and S. Kookalani	<b>PAPER ID: 95</b> The Effects of Building Modifications in Utilization Phase on Earthquake Resistance C. Ertuğ and E. Bostancıoğlu	<b>PAPER ID: 142</b> Pareto Front Optimization of Time and Cost: Application of Multi-Objective Optimization in Multi-Project Management B. Seyisoglu, R. Sonmez and S. Aminbakhsh
<b>12:30-14:00</b>		<b>Lunch</b>			

<b>06 June 2024</b>	<b>14:00-15:00</b>	<b>Keynote Speaker-2:</b> Ioannis Brilakis Department of Engineering, University of Cambridge, UK			
	<b>15:00-15:15</b>	<b>Coffee Break</b>			
	<b>15:15-16:45</b>	<b>Session 5 (Hall: Sirius) Digital Technologies</b>	<b>Session 6 (Hall: Vega) Project Management</b>	<b>Session 7 (Hall: Canopus) Clean Energy and Sustainability</b>	<b>Session 8 (Hall: Capella) Clean Energy and Sustainability</b>
		<b>PAPER ID: 9</b> Identifying the obstacles and prioritizing the significance levels for the adoption of BIM in Turkey Merve Kılınç Yiğit and Merve Anaç	<b>PAPER ID: 21</b> Managing Ambiguity in Construction Projects in Nigeria: The Case for Selecting and Achieving Set Milestones Oluseun Olubajo, Oluwafemi Kehinde Akande and Emmanuel Daniel	<b>PAPER ID: 10</b> Retrofitting Conventional Residential Buildings Towards Nearly Zero Energy Buildings Saba Hajzadeh and Senem Seyis	<b>PAPER ID: 31</b> Factors Affecting the Cost Analysis of Rooftop Solar Energy Constructive Systems and Connection Elements Efe Ethem Biçak and Hande Aladağ
		<b>PAPER ID: 35</b> Using Machine Learning Algorithms for Interpretable Predictions of House Prices and Variable Features N. Sönmez and H.M. Günaydın	<b>PAPER ID: 130</b> Using ChatGPT for Risk Management in Construction Industry: A Literature Review B. Ozyurt and M. T. Birgonul and I. Dikmen	<b>PAPER ID: 13</b> Integration of Lean Project Delivery and Industry 4.0 in Construction Sector S. Dağılgan and T. Ercan	<b>PAPER ID: 48</b> Investigation of the Effects of Indoor Thermal Comfort Conditions on Employees in Architectural Design Offices: Balıkesir Case Mustafa Serhan Ünlütürk, İrem Uğurlu and Tülay Çivici
		<b>PAPER ID: 59</b> Strategies For Digital Transformation In Construction Industry Kübra Çimen and Elçin Filiz Taş	<b>PAPER ID: 29</b> The Effect of Artificial Neural Networks on Cost Estimation in Construction Project B. Şerbetcioğlu and P. İrlayıcı Çakmak	<b>PAPER ID: 134</b> Unveiling Climate Complexity: TS825,2013 and Koppen Geiger Influences on Building Envelope and Energy Consumption in Turkish Cities Mahshad Azima, Nese Ganic Saglam and Senem Seyis	<b>PAPER ID: 93</b> Structural Rating System for Reliable Cities Can Uraz Demir, Kerem Peker and Beyza Taskin
		<b>PAPER ID: 149</b> Ontology Research Fields in the Cultural Heritage Domain G.B Ozturk , Ioannis Brilakis, B. Ozen and Fatih Soygazi	<b>PAPER ID: 99</b> Simulation Models and Tools in Industry 4.0: Use In Preventive Maintenance and Decision Making for Construction Projects Ö.M. Arıç and E.F. Taş	<b>PAPER ID: 144</b> Upcycling Practices in Construction: The Case of Sustainable Art House Beliz Ozorhon, Ahmet Karacigan and Deniz Sağdıç	<b>PAPER ID: 98</b> A Research on Improving the Energy Performance of Residential Buildings A. Kazaz and E. Yetim
			<b>PAPER ID: 126</b> Integration of Lean Project Delivery and Industry 4.0 in Construction Sector K. Toprak and İ. Erbaş	<b>PAPER ID: 147</b> LeadershipA2:C14ED) vs. National Green Certification System (YES – TR) in Building Materials Category Comparison Emine Deniz and Rüveyda Kömürlü	<b>PAPER ID: 151</b> Off-site Construction Industry Through the Lens of Circular Economy Alperen Taha Demirbağ, Hande Aladağ and Zeynep Işık
<b>16:45-17:00</b>	<b>Coffee Break</b>				

<b>06 June 2024</b>	<b>17:00-18:15</b>	<b>Session 9 (Hall: Sirius) Digital Technologies</b>	<b>Session 10 (Hall: Vega) Project Management</b>	<b>Session 11 (Hall: Canopus) Clean Energy and Sustainability</b>	<b>Session 12 (Hall: Capella) Contract Management and Dispute Resolution</b>
		<b>PAPER ID: 105</b> Real-Virtual Synchronization Through BIM and Digital Twin: Current Status and Future Prospects N. Kasul and F. H. Halicioglu	<b>PAPER ID: 38</b> Identifying Factors Affecting The Productivity of Architectural Design Offices M. Özgenç and H.M. Günaydin	<b>PAPER ID: 5</b> Determining Critical Barriers of Waste Management in Turkey M. Anaç, G. Gumusburun Ayalp and B. Mujdeci Alali	<b>PAPER ID: 47</b> Blockchain Integrated Supply Chain Management in Industry 4.0: Potential Advantages, Disadvantages and Challenges for Construction Projects M. Polat and E.F. Taş
		<b>PAPER ID: 111</b> BIM-Based On-Site 3D Printer Position Optimization and Path Planning for Digital Fabrication Sercan Baş, Ozan Eray Aydın, Gursans Guven and Zeynep Basaran Bundur	<b>PAPER ID: 46</b> Time Management In The Construction Industry Gamze Lütfiye Şahin and Z. Özlem Parlak Biçer	<b>PAPER ID: 51</b> Climate Change and Construction: Exploring the Intersection of Challenges and Solutions A. Abdullmalik Mohammed Al Mamari and B. Luisito Borlongan Layon	<b>PAPER ID: 94</b> Bibliometric analysis of relational contracting in collaborative construction projects Mehmet Yavuzhan Erpay and Hüsnü Murat Günaydin
		<b>PAPER ID: 112</b> Horizons of 5IR in AEC: A focus on digital twins and circular economy Lima Najjar and Sema Ergönül	<b>PAPER ID: 57</b> Identification of Stakeholder-based delay risks for BOT infrastructure projects in the Turkish Construction Industry R. Ubeidat and H. Aladağ	<b>PAPER ID: 64</b> Green City Practices for Sustainable and Healthy Urban Spaces in Turkey: Examples of Sakarya Botanical Valley and Peynircioğlu Stream Birsu Ece Kaya and İkbal Erbaş	<b>PAPER ID: 121</b> From People To Projects: A Social Perspective On Effective BIM Risk Management Sahra Mohammadi
		<b>PAPER ID: 118</b> Exploring Digital Twin Applications in the Construction Industry: Opportunities and Limitations C. Bedur and İ. Erbaş	<b>PAPER ID: 86</b> Supplier Selection in The Construction Industry with Fuzzy TOPSIS Method Muhammet Cihat Beyhan and Mehmet Nurettin Uğural	<b>PAPER ID: 90</b> Barriers Encountered in Sustainable Building Projects and Their Relationships with Stakeholders Sultan Helin Yegebaş and İkbal Erbaş	<b>PAPER ID: 123</b> A Review of Contract Management Maturity Models in the Construction Sector Nimet Ozden and Deniz Artan
		<b>PAPER ID: 148</b> Digital Twins for Knowledge Management During Earthquake Emergency Gözde Başak Ozturk, Ioannis Brilakis, B. Ozen, O. Celenk and Fatih Soygazi	<b>PAPER ID: 97</b> Value Engineering in Construction Projects of Turkey B. Özbaş and E. Bostancioğlu	<b>PAPER ID: 162</b> Climate Resilience in Smart City Strategies: The case of Türkiye H. Tekin and I. Dikmen	<b>PAPER ID: 143</b> Construction-related disputes: A comprehensive bibliometric investigation Mahmut Sarı, Savaş Bayram and Emrah Aydemir

<b>07 June 2024</b>	<b>10:30-11:30</b>	<b>Keynote Speaker-3: Tuğrul Daim</b> Department of Engineering and Technology Management, Portland State University, United States			
	<b>11:30-11:45</b>	<b>Coffee Break</b>			
	<b>11.45-13:00</b>	<b>Session 1 (Hall: Sirius) Digital Technologies</b>	<b>Session 2 (Hall: Vega) Project Management</b>	<b>Session 3 (Hall: Canopus) Clean Energy and Sustainability</b>	<b>Session 4 (Hall: Capella) Economical and Financial Management</b>
		<b>PAPER ID: 19</b> Calculation of the Productivity of Construction Gypsum Plaster Worker Using Support Vector Machine Algorithm Ibrahim Karatas and Abdulkadir Budak	<b>PAPER ID: 50</b> Cost Control of Residential Buildings through Design Management A. Almansoor, Khalid Ahmed Alamri, B. Wrenwick, E. Manahan, C. Randie and Libiran Garcia	<b>PAPER ID: 39</b> Potentials of Circular Economy Principles in Building Life Cycle Burcu Kismet	<b>PAPER ID: 3</b> The Impact of Diversification Strategy on Economic Growth: Evidence from the Construction Industry V. Arslan and S. Ulubeyli
		<b>PAPER ID: 113</b> A Blockchain Based Construction Material Tracing Framework Melis Sayin and Rifat Sönmez	<b>PAPER ID: 77</b> The Concept of Resilience in Construction Management and the Digital Twin: A Literature Review Furkan Canpolat and Özlem Parlak Biçer	<b>PAPER ID: 41</b> An Evaluation of Ecological Design and Construction Strategies for Enhancing the Resilience of the Built Environment B. Aldemir	<b>PAPER ID: 18</b> Unlocking the Potential of Business Intelligence in the Construction Industry Merve Çakır and F. Pınar Çakmak
		<b>PAPER ID: 135</b> How to train your AI for construction project management research A.T İlter	<b>PAPER ID: 116</b> Quantifying the Combined Effects of Time, Cost, and Quality Control on Project Delivery in Nigeria: The Lagos Construction Industry Case O.A. Obakin, I.A. Adebunola and O.K. Akande	<b>PAPER ID: 45</b> Standardization as a Waste Management Tool in the Construction Industry G. Can and E.F. Tas	<b>PAPER ID: 69</b> Financial Resilience: Challenges for SME's During the Crisis Nazlı Döngöz and Almula Köksal
		<b>PAPER ID: 141</b> A Literature Review on Digital Twin Acceptance and Adoption in the Construction Industry: A Roadmap for Devising an Information Technology Acceptance Model for Digital Twins Güncel Vara and Guzide Atasoy	<b>PAPER ID: 120</b> A Scientometric Review of Resource Leveling Analysis Construction Projects Selman Aslan and Osman Hürol Türkakın	<b>PAPER ID: 145</b> Life Cycle and Life Cycle Cost Assessment of Solid vs. Hollow Concrete Masonry Blocks Farrukh Arif, Maham Gul, Abdul Jabbar Sangi and Mahnoor Nasir	<b>PAPER ID: 103</b> Micro-Sized AEC Firms' Economic Strategies for Firm Survival in Uncertain Economic Conditions B. N. Toprak, Y. Arıcı Üstüner, B. Balaban Ökten and H. C. Özkan
		<b>PAPER ID: 159</b> A Review of BIM-Based Sustainability Applications in the Construction Industry A. Kazaz and G.Arslan	<b>PAPER ID: 125</b> An Investigation into the Progress Monitoring Studies in Construction Management S. K. Mazlum and B. Sertyeşilşik	<b>PAPER ID: 146</b> Conceptual Design of Energy Efficient Housing Unit in Hot & Humid Urban Areas N. Azhar, Farrukh Arif and F. Saeed	<b>PAPER ID: 129</b> Letter of Credit Usage in Liquefied Natural Gas Trade with Blockchain Furkan Uysal, Abdullah Çetinkaya, Rifat Sonmez, Salar Ahmadisheykhsarmast and Hakan Karabacak
<b>13:00-14:00</b>	<b>Lunch</b>				

<b>07 June 2024</b>	<b>14:00-15:30</b>	<b>Session 5 (Hall: Sirius) Project Management</b>	<b>Session 6 (Hall: Vega) Professional Issues in Education and Practice</b>	<b>Session 7 (Hall: Canopus) Construction Methods and Technology</b>	<b>Session 8 (Hall: Capella) Organization, Leadership and Strategy</b>
		<b>PAPER ID: 65</b> Time Management Behaviours of Architects E. Saral and E. Kasapoğlu	<b>PAPER ID: 2</b> Defining Critical Factors for Successful Implementation of Distance Architectural Education Y. B. Metinal and G. Gumusburun Ayalp	<b>PAPER ID: 6</b> Re-evaluating Modular Construction through the Lens of Circularity Damlanur İlipinar and Mehmet Koray Pekerçli	<b>PAPER ID: 26</b> Corporate Universities in Construction Companies in Türkiye Y. O. Dogan, D. Arditi and Pinar Irlayici Cakmak
		<b>PAPER ID: 115</b> Evaluation of Different Estimated Cost at Completion Methods Using Earned Value Management G. Yalçın and S. Bayram	<b>PAPER ID: 49</b> BIM Education in Undergraduate Architecture Programs: A Systematic Literature Review G. Simsir	<b>PAPER ID: 8</b> Comparative Analysis of Wooden Building Systems in Terms of Cost, Construction Time, Labor Requirement, and Energy Efficiency Ö. Özbey and H. B. Başağa	<b>PAPER ID: 33</b> A Comparative Analysis of Agile Approaches in the Turkish Construction Industry: A Study of Scrum and Kanban Kivanc Tosun and Pinar Irlayici Cakmak
		<b>PAPER ID: 133</b> A decision-support system for resource leveling O. Temur, A. Damci and H. Turkoglu, D. Arditi and S. Demirkesen	<b>PAPER ID: 58</b> Teaching the Basic Principles of Lean Approach Through Simulation Games: A Systematic Literature Review R. Abuelaish, Ü. Bahadır and V. Toğan	<b>PAPER ID: 17</b> A New Proposal for Management of Rebar Works: The Re-Rebar Method Y. Uğurlu and Ş.T. Güvel	<b>PAPER ID: 42</b> Factors Affecting Decision Making in Purchasing a House Mehmet Kürşad Bahat and Sema Ergönül
		<b>PAPER ID: 152</b> Optimizing Holt-Winters Exponential Smoothing Parameters for Construction Cost Index Forecasting with PSO and Walk-Forward Cross- Validation Ö. Tüz and Ş. Ebeseek	<b>PAPER ID: 60</b> Investigating Scenarios and Programs Utilized in Serious Game Based Applications for Engineering Education E. Boz and V. Toğan	<b>PAPER ID: 20</b> Use of Mass Timber in the Construction and Design Nurbanu Şahin, Z. Özlem Parlak Biçer and Oğuz Düğenci	<b>PAPER ID: 43</b> A Survey of Barriers and Enablers of the Successful Transition of Military Veterans into the Construction Industry Md Nazmus Sakib, Theodora Chaspari, Winfred Arthur Jr. and Amir Behzadan
		<b>PAPER ID: 154</b> Asset Management Practices and Challenges in Airport Projects: A Case Study E. Ergen, N. Yilmaz, C. Can Uzun and Ahmet Citipitioglu	<b>PAPER ID: 153</b> Practical/experimental work in natural sciences subjects during distance learning Avdiu,E. and Dedi, T.	<b>PAPER ID: 27</b> Sustainable Advancements in Construction: Exploring the Impact of Self-Healing Concrete Technology Utilizing Bacteria A. P. Balkis and A. S. Kabadzha	<b>PAPER ID: 52</b> Evolutionary Dynamics of Strategic Alliances in the Turkish Construction Industry: A Longitudinal Cisil Ozcekici Olcar and Serdar Kale
		<b>15:30-15:45</b>	<b>Coffee Break</b>		

<b>07 June 2024</b>	<b>15:45-16:45</b>	<b>Session 9 (Hall: Sirius) Organization, Leadership and Strategy</b>	<b>Session 10 (Hall: Vega) Professional Issues in Education and Practice</b>	<b>Session 11 (Hall: Canopus) Construction Methods and Technology</b>	<b>Session 12 (Hall: Capella) Disaster, Risks and Resilience</b>
		<b>PAPER ID: 66</b> Motivation in Design Offices with Herzberg's Two-Factor Theory M. Özkan and E. Kasapoğlu	<b>PAPER ID: 30</b> A Multi-Criteria Decision-Making Approach for Curriculum Development in Project and Construction Management Graduate Programs E. Tezel and P. Irlayıcı Çakmak	<b>PAPER ID: 63</b> Design and Construction Considerations for Multi-Storey Buildings with Prefabricated Pre-Finished Volumetric Construction (PPVC) Simge Fidan and Gökhan Gelisen	<b>PAPER ID: 68</b> Exploring Urban Resilience: A Socio-spatial Perspective of the Adaptive Reuse Projects in İstanbul, Turkey Zeynep Birgönül
		<b>PAPER ID: 100</b> Mobbing in the Construction Sector Şenay Atabay, Hamdi Tekin, Meltem Köksel and Ömer Bilir	<b>PAPER ID: 62</b> Systematic Literature Review on Project and Construction Management Education S. Öztürk Ustaoglu and Z. Ö. Parlak Biçer	<b>PAPER ID: 91</b> Evaluation of Lean Construction System in terms of Ecological Architecture Criteria Esmâ Karakoyun Yaşar and Z. Özlem Parlak Biçer	<b>PAPER ID: 84</b> City Resilience Rating After Earthquakes with Target Performance Parameters Anıl Tüysüz, Kerem Peker and Sema Ergönül
		<b>PAPER ID: 106</b> Social Life Cycle Assessment in the Turkish Construction Industry: A Survey Study Tuğçe Altınkaynak Akıncı and Ömer Giran	<b>PAPER ID: 155</b> Gen Z and the Era of Education 4.0 – Reinterpreting Education Edita Bekteshi and Mimoza Aliu	<b>PAPER ID: 124</b> Application of maturity method with temperature sensors to estimate compressive strength of sustainable concrete for real-time formwork planning Mehmet Akif Arslan and Mustafa Tolga Çoğürücü	<b>PAPER ID: 138</b> Identification and Assessment of Risk Factors Affecting Post-Disaster Reconstruction Projects F.S. Demirci, O. Okudan and Z. Isık
			<b>PAPER ID: 157</b> Challenges in Developing Virtual Reality Education Ilker Baki Alkan and Hasan Basri Basaga		<b>PAPER ID: 139</b> Identifying Community Expectations in Post-Disaster Reconstruction Projects F.S. Demirci, O. Okudan and Z. Isık
	<b>20:00-23:00</b>	<b>GALA DINNER - AWARD CEREMONY</b>			