

**BUILDTECH
WEEK 2024**

**PEOPLE
EVENTS**



World Conference on

CONSTRUCTION & BUILDING TECHNOLOGY

May 13-14, 2024 | Barcelona, Spain

CONFERENCE PROGRAMME

<https://buildtechweek.peoplevents.uk/>

CONFERENCE PROGRAMME

DAY 1 - MAY 13, 2024

Hotel Catalonia Barcelona 505, Barcelona, Spain

08:00 - 08:30	Registrations
Meeting Room: Tibidado	
08:30 - 08:55	Welcome Notes
Guest Talk	
08:55 - 09:00	
Plenary Forum	
Moderator	Juan S. Rocha, <i>Prefabricados Ponce SL, Spain</i>
09:00 - 09:20	Title: Is Geopolymer's Really More Environment Friendly Than Conventional Cement? Zhuguo Li, <i>Yamaguchi University, Japan</i>
09:25 - 09:45	Title: Aribau 195. Greening the city / Green cities / Sergi Carulla and Brian Gallagher, <i>SCOB Architecture and Landscape, Spain</i>
Morning Session	Building Sustainable Future Cities Future of Construction
Moderator	Alicia Alvarez, <i>Universitat Oberta de Catalunya, Spain</i>
09:50 - 10:05	Title: Net-Zero / Carbon Neutral Buildings Now Albert Bicol, <i>Alberto Bicol Consulting Inc., Canada</i>
Coffee Break 10:15 - 10:35 @ Foyer	
10:35 - 10:50	Title: Offsite Building Technologies: Steel Construction Systems Ignacio Polite, <i>Manni Green Tech, Spain</i>
11:00 - 11:15	Title: Breaking Boundaries: Innovating Project Design for Future Success German De la Torre, <i>Nainoa/Cobar international/Unispace, Spain</i>
11:25 - 11:40	Title: Building Tomorrow: Digitalize the construction industry with AI algorithms and Robotic Riccardo Pagani, <i>BIMon S.r.l., Italy</i>
11:50 - 12:05	Title: Digital twin for building management Eneritz Barreiro Sánchez, <i>TECNALIA Research & Innovation, Spain</i>
Afternoon Session	Smart and Sustainable Construction Resilient Building Design and Materials
Moderator	Juan Carlos Cabrero, <i>Francisco de Vitoria University, Spain</i>
12:15 - 12:30	Title: Building Performance Russell Gilchrist, <i>Gensler, UK</i>
12:40 - 12:55	Title: Energy Efficiency and Environmental Impact Asieh Mirafzali, <i>BelkaBelka, Germany</i>
Lunch Break 13:05 - 13:50 @ Hotel Restaurants	

13:50-14:05	Title: ESCO - EPC model / comprehensive integrated home renovation service (IHRS) as an integral building de carbonization solution Alvaro Martinez, <i>EOS Energy, Spain</i>
14:15-14:30	Title: Shaping Spatial Paradigms in Construction Aldo Sollazzo, <i>Company Noumena, Spain</i>
14:40-14:55	Title: Digital strategies and challenges for a data-driven, early-stage EC quantification Matteo Orsi, <i>Morris+Company, UK</i>
Evening Session	Digital Transformation in Construction Building Information Modeling
Moderator	Jerónimo van Schendel Erice, <i>Bildia, Spain</i>
15:05-15:20	Title: The relocation of construction. The new paradigm faced by architects from all over the world Rubén Navarro, <i>Casas inHAUS, Spain</i>
15:30-15:45	Title: The future is now: How automation is disrupting the project lifecycle today Jaimie Johnston, <i>Bryden Wood, UK</i>
Coffee Break 15:55-16:15 @ Foyer	
16:15-16:30	Title: Genetic architecture: Innovation in Architecture through genetic perspective César Frías Enciso, <i>Morph Estudio, Spain</i>
16:40-16:55	Title: Bildia: AI predictive modelling to estimate cost, cash flow and carbon footprint in construction and real estate projects Jerónimo van Schendel Erice, <i>Madrid Metropolitan, Spain</i>
17:05-17:20	Title: Digital Transformation at Heatherwick studio: A 10-year journey Alfonso Monedero, <i>Heatherwick Studio, UK</i>
End of Day 1 @ 17:30	

DAY 2 - MAY 14, 2024

08:30-09:00	Registrations
Meeting Room: Tibidado	
Plenary Forum	
Moderator	Juan S. Rocha, <i>Prefabricados Ponce S L, Spain</i>
09:00-09:20	Title: Cities of Tomorrow: Trends Reshaping Our Urban Future Maria Tasada, <i>Gensler, USA</i>
09:25-09:45	Title: Designing low carbon Data Centres via Modern Methods of Construction Pablo Gugel, <i>Bryden Wood, UK</i>
Morning Session	Civil and Structural Engineering Fabrication Engineering, Construction Process
Moderator	Sergio Pons Ribera, <i>CESI, France</i>
09:50-10:05	Title: The Changing World of U.S. Construction: A Long View Mark Erlich, <i>Harvard Law School, USA</i>

10:15-10:30	Title: A comparison of the use of traditional glazing and a novel Concentrated Photovoltaic Glazing (CoPVG) for building solar gain analysis using IESVE Roma Chang, <i>Ulster University, UK</i>
Coffee Break 10:40-11:00 @ Foyer	
11:00-11:15	Title: Strategies for Decarbonization of Construction through Offsite Construction and Automation Diego Freire Coloma, <i>Zero Housing, Spain</i>
11:25-11:40	Title: Will be updated soon Nuno Correia, <i>WilkinsonEyre, UK</i>
11:50-12:05	Title: Simulation & Optimization of Construction Planning using AI Luis Martinez, <i>Frontline, Singapore</i>
Afternoon Session	Data-Driven Construction: Predictive Modelling, and AI for Project Success
Moderator	Bárbara Recio Pelayo, <i>Workplace Strategy Consultancy, Spain</i>
12:15-12:30	Title: BIM for Construction, real case application Claudio Vittori Antisari, <i>Strategie Digitali, Italy</i>
12:40-12:55	Title: The interaction between Data Visualisation and Golden Thread principles in Building Safety Alozie Ohuonu, <i>London Borough of Camden, UK</i>
Lunch Break 13:05-13:50 @ Hotel Restaurants	
13:50-14:05	Title: J Selaras: A New Rationalization Model for Bill of Quantity (BQ) in Project Tendering Process Mohd Nasir Saari, <i>Public Works Department of Malaysia, Malaysia</i>
14:15-14:30	Title: Building Configurators: Automation and AI for Mass Customization Cesar Fragachan, <i>Aalter.ai, UK</i>
14:40-14:55	Title: Landscape information management and sustainable development in architecture Isabella Bhoan, <i>WW+P, UK</i>
Evening Session	Precast Construction Technology, Architectural Design and Planning
Moderator	Areti Markopoulou, <i>IAAC Institute for Advanced Architecture of Catalonia, Spain</i>
15:05-15:20	Title: Circularity as an ecosystem in the built environment Kim Gault, <i>Cundall, UK</i>
15:30-15:45	Title: Resource based engineering – Towards a circular construction industry Mark van Ommen and Wouter Moorlag, <i>TNO, Netherlands</i>
Coffee Break 16:00-16:20 @ Foyer	
16:20-16:35	Title: Still Room for the Architect? Robert Kloosterman, <i>University of Amsterdam, Netherlands</i>
16:45-17:00	Title: Performance study of displacement transducers for timber material under compression tests using photogrammetric approach Ahmed Mohamed, <i>Edinburgh Napier University, UK</i>
17:00-17:15	Title: Are Alpine Photovoltaic Systems too expensive? Rudolf Rechsteiner, <i>ETH Zurich, Switzerland</i>
End of Conference & Closing Ceremony @ 17:30	