

RICS Digital Built Environment

Achieving efficiencies in cost, time and resource and meeting changing client demands

05 June 2019

etc. Venues St Paul's, 200 Aldersgate, London EC1A 4HD

rics.org/digitalconference

Disruption in the form of increased digitisation continues to drive change throughout the built environment sector. As the surveying profession stands on the verge of a digital revolution, we have no choice but to find new ways of working which will streamline processes and deliver improved outcomes in radically new ways. RICS Digital Built Environment Conference, now in its second year, will bring together thought leaders and pioneers from within the professions of the built and natural environment to demonstrate the benefits of new technologies in practical terms, delivering case studies from across the life-cycle of a built asset. Don't miss this opportunity to hear about the latest developments in your sector and ensure you remain at the forefront of an industry which is changing at a faster rate than ever before.

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| 08:30 | Registration and coffee |
| 09:30 | Chair's Opening Remarks Ann Bentley , Global Board Director, Rider Levett Bucknall |
| 09:40 | RICS: The future of BCIS and construction benchmarking data James Fiske , Director of Data and Information Product Group, RICS |
| 10:10 | 360-degree view of a project <ul style="list-style-type: none">• Adoption and use of technology from design through to operational stage• The digital evolution of the built asset• Whole-lifecycle built asset management Jeff Belk , Head of Estate Projects, University Hospital Southampton NHS Foundation Trust |
| 10:50 | Using 5D BIM to enhance project collaboration <ul style="list-style-type: none">• The fundamentals of 5D BIM explained• Towards better collection, management and sharing of data: common data environments• How does 5D BIM benefit project managers? Pawel Krecz , Product Manager – Construction, Bentley |
| 11:30 | Networking refreshment break |

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| 12:00 | <p>Automation: Job transformation or job replacement?</p> <ul style="list-style-type: none"> • A generation of evolution: how will automated technologies change over the coming years • Automation by sector: opportunity or risk? • Automation, algorithms and AI in the built and natural environment: where are we now; where are we heading? <p>Dr Lee Elliott, Partner and Lead – Commercial Research Team, Knight Frank</p> |
| 12:40 | <p>Using data to inform planning decisions</p> <ul style="list-style-type: none"> • Using data to improve site identification and appraisal • Spatial mapping of city systems and infrastructure • Linking valuation data to planning scenarios to assist sustainable urbanisation <p>Stefan Webb, Director of Digitising Planning, Future Cities Catapult</p> |
| 13:15 | <p>Networking lunch</p> |
| The blockchain masterclass | |
| 14:15 | <p>Blockchain in CRE transactions</p> <ul style="list-style-type: none"> • Fad or the future of real asset transactions? • Tokenisation: the next frontier? <p>David Willbe, Partner, Lewis Silkin</p> |
| 14:30 | <p>A supply chain on the blockchain</p> <ul style="list-style-type: none"> • Embedding transparency and immutability in the supply chain • Smart contracts: real time validation, amendment and audit <p>Dr Yingli Wang, Senior Lecturer in Logistics and Operations Management, Cardiff University</p> |
| 14:45 | <p>Blockchain and the circular economy</p> <ul style="list-style-type: none"> • Reducing materials and resource waste • Unlocking financial value of unused assets <p>Kevin O’Grady, Associate Director – Aviation, ARUP</p> |
| 15:00 | <p>Questions and discussion</p> <p>Featuring all masterclass speakers, and:</p> <p>Ahmed Zghari-Sales, Chair, Construction Blockchain and Smart Contracts Committee</p> |
| 15:40 | <p>Networking refreshment break</p> |

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| 16:00 | <p>Digital Twins: A case study</p> <ul style="list-style-type: none"> • Optimising and futureproofing asset performance • Using digital twins to enhance the relationship between owner and tenant • Improving decision making processes through analytics <p>Professor Jennifer Whyte, Data-Centric Engineering Strategic Leader, The Alan Turing Institute</p> |
| 16:45 | <p>Panel discussion: Driving adoption of next generation technology</p> <ul style="list-style-type: none"> • Driving culture change in the professions of the built and natural environment • Collaboration or competition: could tech platforms fragment the industry? • The SME challenge: risk and reward for early adopters <p>Panellists will include: Barry Gleeson, Technical Director – BIM, Environment and Infrastructure Services, Wood PLC Hannah Griffiths, Senior Consultant – Smart Cities, Arup Joseph Whitaker, Procore Senior representative, Plangrid</p> |
| 17:30 | <p>Chair's closing remarks</p> |