



#FutureofConsultancy

Digital Leadership Conference

 #DigitalLeadership

20 June 2019

Prince Philip House, 3 Carlton House Terrace,
London SW1Y 5DG

Speaker Biographies

The Digital Leadership Conference will act as a summit, **drawing together the digital leaders and their clients**, to debate and progress the challenges and opportunities facing consultancy firms as they develop their digital offering.

Organised by:



In association with:



Supported by:



Exhibition supporter:



Media partner:



Digital Leadership Conference 2019

20th June 2019, Prince Philip House, London

The Digital Leadership Conference 2019 is a summit intended for digital leaders of the engineering and consultancy firms and their clients involved in the built environment, to explore opportunities to drive business transformation and value through innovation. It forms part of the Future of Consultancy campaign which aims to produce an overarching strategy for the future of the consultancy industry and how the businesses operating within it can best serve their clients. A key part of this for the business of the future will be how they embrace digital transformation, who will be driving it first, and how businesses themselves can develop the capability to meet their clients' needs.

This event is for the digital leaders in firms creating Britain's built environment; clients and

asset owners, consultancy firms, contractors, offsite manufacturers and partners.

The aims of the conference include the play back of research to date from the Future of Consultancy campaign, to test out and achieve consensus on the areas of opportunity to guide the next phase of research, and to develop the awareness and capability of the attendees to deliver digital transformation within their businesses.

On the evening of 20 June, ACE will be hosting a unique reception for attendees of both the Future of Consultancy and the Digital Leadership conferences. Designed to bring together business and digital leaders to discuss the changes needed to future proof our industry.

Organised by:



In association with:



Supported by:



Exhibition supporter:



Media partner:



Speaker Biographies



Chris Barron, Chief Communications Officer, Bentley Systems

Chris joined Bentley as Vice President of corporate marketing in 2008 and was appointed to Chief Communications Officer in 2016. A registered architect, Chris left architectural practice in 1983 to pursue a career in the marketing of computer-aided-design software to the AEC industry. Prior to joining Bentley, he served as marketing director for the AEC Market Group at Autodesk, corporate marketing manager of Softdesk, and senior marketing manager at Intergraph. He currently serves on the Advisory Board of the Zofnass Program for Sustainable Infrastructure at Harvard University's Graduate School of Design. Chris holds a bachelor's degree in biology and geography from Middlebury College and a master's degree in architecture from Harvard University.



Dr Marzia Bolpagni, BIM Advisor, Mace

Marzia works as Advisor on Digital Innovation at Mace in London where she develops and implements digital construction solutions for international clients. She is glad to be a member of the BIM Excellence Initiative, Assistant Editor of the BIM Dictionary where she coordinates more than 80 volunteers from 23 countries, member of the Italian Organisation for Standardisation (UNI), ambassador of the UK BIM Alliance and expert at the European Committee for Standardisation (CEN) TC 442 where she chairs a Task Group on information requirements standardisation with experts from 11 countries. In 2017 she received the 'Woman Ingenious' award for her work at the international level and in 2019 she has been nominated finalist for Women in Construction and Engineering Awards as Best Woman in Digital Innovation and her company assigned her the Star Award for Innovation and Service Excellence.



Tim Chapman, Director of Infrastructure, Arup

Tim is an Arup Director leading its London-based Infrastructure Design group. He has had extensive experience in the design of all types of infrastructure including all the design skills for major economic infrastructure, and devising how future infrastructure can best serve and shape future society. He is particularly interested in how new technology will shape and change the careers available in our professions over the next 20 years. In his role as leader of a group of some 400 talented designers for all forms of infrastructure, he has a special interest in the development of people at all levels and the promotion of a diverse happy

effective motivated workforce. He is a Fellow of the Institution of Civil Engineers, an honorary Fellow of Engineers Ireland and was elected in 2014 as a Fellow of the Royal Academy of Engineering. He is a member of the Technical Expert Panel for the National Infrastructure Commission.



Jeannie Edwards, HR Director, Stantec

Jeannie is Director of Human Resources for Stantec UK and has 25 years' experience in the engineering consultancy world. She has the Diploma in Human Resources, Masters in Employment Law, Certificate of Occupational Safety and Health. She is a Fellow of the Chartered Institute of Personnel Management and the Institute of Occupational Safety and Health. She was the first woman and first non-engineer to be appointed to the Ruling Council of the Association of Consulting Engineers. In 2012 Jeannie was presented with the Excellence in Business Award for her contribution to the engineering and consultancy industry. In 2013 World Wide Who's Who named Jeannie the Executive of the Year for Human Resources. Jeannie was a School Governor for 18 years. She sat on four other education committees to promote assistance for Special Educational Needs, primarily to ensure dyslexics had computers. In addition, she was a member of the Governors' Forum, a management body representing Schools throughout her borough in the UK.



Mark Enzer, Chair of the Digital Framework Task Group, Centre for Digital Built Britain

Mark is Mott MacDonald's Chief Technical Officer, accountable to the Executive Board for technical excellence across the Group. In this role, he is responsible for Mott MacDonald's internal professional networks. Mark is a keen champion of innovation in the context of collaborative delivery models and he is particularly interested in transformational change in infrastructure engineering, including the application of digital transformation, Smart Infrastructure, low-carbon sustainable solutions, platform-based delivery and design for manufacture and assembly (DfMA). Mark is the chair of the Digital Framework Task Group, part of the Centre for Digital Built Britain, and is the Digital Director of the Construction Innovation Hub. Mark was the leader of the Digital Transformation workstream as part of "Project 13" for the Infrastructure Client Group, which represents the UK's major infrastructure client organisations and he was the Lead Author of the Infrastructure Carbon Review, published by HM Treasury.



**Caroline Gorski, Group Director R2 Data Labs
Rolls-Royce**

Caroline is Group Director of R2 Data Labs, charged with developing the strategy and implementation of data innovation technologies and capabilities for Rolls-Royce that lead to new insights, new solutions and new business models, generating substantial value for the Group. R2 Data Labs was formed in 2017 to be a catalyst and accelerator for Rolls-Royce data innovation. Having graduated from Oxford University with an MA, Caroline has spent 25 years analysing, advising and managing strategic change at the leading edge of technology development, including as Head of IoT and Digital Manufacturing for Digital Catapult, part of the UK Government's innovation support network. Currently, she holds NED and Board Advisory positions for CENSIS and Sensing Feeling as well as roles advising and supporting regional and national governments around the world in Digital Strategy development.



Steven Hale, Director, Crofton Consulting

Having initially trained as a radio officer for the merchant navy, Steve studied electrical & electronic engineering at Southbank Polytechnic beginning his career at Faber in 1987. Steven has wide experience with both consultants and contractors; notable early projects being the initial redevelopment proposals for Battersea Power station and the Medway Tunnel. With a rapidly changing landscape and digitisation of the industry Steven returned to university in 2017 to study for a MSc in Construction Engineering at Cambridge University in an endeavor to remain equipped to lead a Crofton through this transition to a professional service firm fit for the 21st century.



**Sarah Hayes, Project Director, National
Infrastructure Commission**

Sarah is an economist with 20 years experience of working across infrastructure sectors in Europe, Africa and the Caribbean. Sarah worked with PricewaterhouseCoopers based in London and Tanzania focused on privatisation deals from 1998-2004. She returned to London to complete a Masters in Economic Regulation and Competition Policy and then worked with Orange France Telecom Group from 2006-2010 focused on mobile regulation across Orange subsidiaries worldwide. In 2010, Sarah moved to the British Virgin Islands in the Caribbean to set up a framework for economic regulation of the telecommunications sector and once that was established she returned to the UK to work for the National Infrastructure

Commission in late 2016. She led the study which published the report, "Data for the public good" promoting the benefits of sharing data and setting out the vision for a national digital twin. She is currently leading the NIC study on regulation looking at the need for regulatory change across telecoms, energy and water.



**David Owens, Senior Consultant, Digital
Transformation, Costain**

With 18 years' experience of designing & constructing infrastructure schemes from small residential & commercial development to the M25 Widening. David is Costain's Digital Transformation expert, recently concluded secondment to Highways England BIM Programme where he led the BIM Community and developed client CAD Standards, contractual clauses and the Employers Information Requirements for all major projects. This followed the successful delivery of the A556 Knutsford to Bowdon Improvement a BIM Early Adopter and trailblazer. David is a passionate believer in democratising digital capability and improving productivity through open data, technology and innovation. David's enthusiasm for sharing knowledge has led him to contributing to several esteemed groups;



John Priestland, Director, Priestland Consulting

John has spent 20 years in engineering consultancy, leading strategy and change programmes at Atkins, Hyder Consulting and WSP (where he was Global Strategy Director). Most recently, he led digital transformation at AECOM. He is a Fellow of both the Institution of Civil Engineering and the Institute of Physics. He holds a First Class Physics Degree from Keble College Oxford and an MBA from London Business School. He specialises in advising clients on strategy, innovation and technology 'use cases'. He is also highly experienced in bid management, business development and key account management.



**Claire Rutkowski, Chief Information Officer,
Bentley Systems**

Claire joined Bentley Systems in 2016, where she leads the company's global IT organisation, shaping and delivering a technology agenda across its global business. She provides guidance, experience and thought leadership to a global team of more than 180 IT professionals in their support of the organisation. By collaborating with executive leadership teams, she ensures Bentley leverages the most advanced technology solutions to achieve the goals of the

company and its users. Prior to Bentley, Claire served as Chief Information Officer at MWH, responsible for the development and implementation of the IT strategy, services, and support to 7,000 engineering professionals in 130 offices around the world. In 2014 Claire won the iCMG's Enterprise Architecture award for the best corporate strategy. Claire holds a bachelor's degree from Penn State University and has received numerous awards, most notably Constructech's Top 50 Women in Construction.



Casey Rutland, UK Director of Digital, Royal HaskoningDHV

Casey joined Royal HaskoningDHV as UK Director of Digital in January 2017 with a responsibility to drive forward the implementation of digital practices across the company. Casey is a qualified architect and has over 19 years experience. Prior to joining Royal HaskoningDHV, he spent four years leading Arup's global architectural BIM implementation with multi-disciplinary teams. Now focussing on the wider digital aspects of practice in our industry, he seeks to prepare the company for the huge opportunities today and ahead. Alongside his professional role, Casey is a dedicated STEM Ambassador, passionate about knowledge transfer, education and the future generations of the industry. And for the current industry workforce, Casey founded and hosts #BIMOpenMic sessions whereby AEC professionals, property owners, product manufacturers and students regularly gather to air their thoughts on all things digital.



Tony Scott, Director at Scott Communications and Digital Transformation Director at BuroHappold

Tony is a technology and business leader, entrepreneur and digital advocate with a passion for delivering human and business outcomes. Since stepping down as CIO at WSP in 2018, he has launched digital transformation and PR consultancy Scott Communications. He is also the co-founder and managing director of artificial intelligence solution and services start-up NeuralRays AI, with offices in the UK and India. Tony is an executive adviser through the HiveMind Network's HiveExec service and a founding member of ACE's Digital Transformation Group. Tony previously worked as Group Digital Transformation Director at Atkins and Global Head of Strategy and Architecture at Arup. He is currently Digital Transformation Director at BuroHappold.



Dale Sinclair, Director, Technical Practice, AECOM

As well as authoring the RIBA Plan of Work 2103, Dale chaired the RIBA task group responsible

for developing it, assisted in the development of the on-line tools and authored the supporting publications including the Guide to using the RIBA Plan of Work 2013 and Assembling a Collaborative Project Team which contains multi-disciplinary schedules of services and a design responsibility matrix he developed. He was the executive editor of 12 publications that reinforce the new plan of work and is on the group steering the direction of the UK government's digital Plan of Work due to be launched in the spring of 2016. He is an RIBA Ambassador for Industry Collaboration and Technical Innovation, is the CIC BIM Champion and is on the board of Building SMART UK. He was RIBA Vice President for Practice and Profession from 2012 – 2015, the chair of the RIBA Large Practice Group from 2007 – 2012 and the editor of the BIM Overlay to the RIBA Outline Plan of Work 2007.



Rajiv Sudan, Independent Consultant

Rajiv is an independent senior business developer and strategist having worked for global blue chip contractors and consultants in designing, delivering and operating infrastructure. Rajiv has advised funders, Governments, Local Authorities and private sector SPV's, developers and operators on work winning, technical and commercial due diligence and programme management. He has also worked overseas – notably Canada, where he started up and ran the Toronto office of an international QS & PM consultant. Rajiv is a Chartered Engineer, a Fellow of the Chartered Management Institute and received his MBA in Marketing from the University of Leicester. Rajiv has been a STEM ambassador, a speaker for WaterAid and has just enrolled on a coding for beginners course.



Peter Vale, Engineering Information Manager, Tideway

Peter is the Engineering Information Manager at Tideway responsible for implementing the IM strategy to deliver BIM Level 2 adoption across the project. He also represents Tideway on the Digital Transformation Task Group (DTTG) which was created to facilitate and accelerate Digital Transformation in the UK's infrastructure industry and to increase infrastructure performance and national productivity in response to the recommendations set out in the NIC 'Data for the Public Good' report. Before Tideway, Peter worked as an Information Manager on a number of major projects including HS2, Crossrail, London 2012 Olympics and London Underground (Tube Lines PPP). Whilst at HS2, Peter was also seconded to the UK Government BIM Task Group to support the delivery of BIM Level 2 across a number of government departments including Highways England.



Hannah Vickers, Chief Executive, Association for Consultancy and Engineering (ACE)

A civil engineer by profession, Hannah joined the Association for Consultancy and Engineering (ACE) from the Institution of Civil Engineers where she led the policy and public affairs team. This included the development and roll out of Project 13, the industry-led response to creating and adopting a new infrastructure delivery model and establishing a new industry "think tank" to set future strategies for civil engineering communities around the globe. Prior to this she was headhunted into a role at Infrastructure UK, part of HM Treasury, leading their Project Initiation Routemap team which focused on advising senior stakeholders from private and regulated sectors to improve the delivery, performance and outcomes of major projects. Spearheading a combined team with academic, government and industry experts, she delivered 22 successful Routemap exercises, supporting increased value for money and confidence for a range of projects including HS2, Crossrail 2 and the development of the Olympic Park in London. As part of this role, she also developed and delivered successful training programmes on infrastructure planning, appraisal and delivery to the governments of Indonesia, Argentina, Indonesia, China, Egypt and Brazil on behalf of the UK government. She chaired a panel of industry experts to produce technical materials on asset and risk management considerations. She was also called on as an advisor to ministers on infrastructure, working closely with the Commercial Secretary and the Chancellor of the Exchequer. She joined Infrastructure UK after ten years at the Environment Agency where she worked in a number of different roles, including project management across a range of flood defence schemes, as well as broader management positions in capital construction and corporate and commercial strategy. She successfully completed a BSc in River and Coastal Engineering from the University of West of England and was incorporated as a civil engineer (MICE) for her work on the hydraulic design of flood embankment and flood storage.



Professor Jennifer Whyte, Centre for Systems Engineering and Innovation, Imperial College

Jennifer is a Professor in the Department of Civil and Environmental Engineering at Imperial College London. Her research is on systems integration, digital engineering and production systems linked to the construction and built environment sectors. She is Director of the Centre for Systems Engineering and Innovation and is the Laing O'Rourke/

Royal Academy of Engineering Professor of Systems Integration. In the 20 years since her PhD at Loughborough University, Jennifer has held many research grants, published high-impact research papers, authored a book, and led multidisciplinary research teams. She was Shimizu Visiting Professor at Stanford in 2015. Jennifer is a member of the Transforming Construction Advisory Group and also a co-investigator on the Transforming Construction Network Plus. She also leads research on data-driven design in the Alan Turing Institute /Lloyds Register Foundation Data Centric Engineering Programme; and co-curates the World Economic Forum Engineering and Construction Transformation Map. She is a Fellow of the Institution of Civil Engineers (ICE) and a member of the EPSRC Engineering Strategic Advisory Team (SAT), and the Digital Framework Task Group (DFTG). Until recently, she was a member of the Ministry of Housing, Communities and Local Government Industry Safety Steering Group.



Glen Worrall, Principal Application, Bentley Systems

Glen has focused on extending data beyond design, into commissioning, construction and operations, he has worked on various global projects reinforcing the recognition of processes working alongside technology. With an Oil and Gas background, he understands the importance of the digital twin and was instrumental in setting up the Crossrail Information Academy. Working in various roles within Bentley he continues to promote the importance of "unlocking" the value created in 3D design processes. Working with HS2 and the HS2 JV supply chain, he has again been instrumental in ensuring Bentley's OpenRail CDE can meet today's BIM Level 2 requirements as well as enabling an asset centric approach and placing iModels at the core of the workflow. For the past 18 months Glen has been working with our iTwin advancement unit and select users to ensure our iTwin solution can meet the most demanding infrastructure projects.