

Additional Details

Study Day 2017 – Delivering Educational SPACES

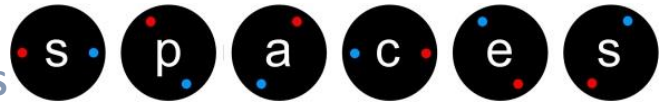


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Study Day 2017 – Delivering Educational SPACES Presentations



President's address and opening

Martin Kent, President SPACES

Martin has over 26 years' experience as an Architect and building professional working in both the public and private sectors. Martin's experience covers a wide range of both design and property management. With extensive experience in Local Government particularly in education and including Adult Services, Fire and Rescue and the Police.

Martin qualified as an Architect at Plymouth becoming a Chartered Architect and member of the RIBA in 1990. He spent the early years of his career in private practice in Stoke-on-Trent, Guildford and Winchester working in various sectors- Theatre, Commercial Development, Shelter Housing, Schools and Elderly Persons Homes. Joining Hampshire Architects Department (now Hampshire Property Services) in 1992 his career developed from a project architect into property management.

Martin's current role is Head of Property Management for Hampshire County Council with a multi-disciplinary team including Architects, Building Surveyors, fire safety, arboriculture and property risk management experts with a portfolio of more than 1700 buildings on 1000 sites. He has served on the committee of the Chief Building Surveyors Society (CBSS) for a number of years and as President elect of CBSS lead the working party to agree the merger with SPACES.

Welcome from Manchester

Professor Tom Jefferies, Head of Manchester School of Architecture, a joint School of the Manchester Metropolitan University and the University of Manchester

Tom joined the School from his previous post as Professor: Head of Birmingham School of Architecture. He is a qualified architect and consultant urban designer and a panel member of PlacesMatter! North West England's design review panel. His design work has been recognised through international prizewinning competitions.

His research critically investigates the relationship between culture, space, landscape process, heritage and sustainability to propose new forms of contemporary urbanism. His expertise in architecture, urban design, landscape, master planning and design codes, architectural history, theory and context, sustainability and conservation is a basis for developing symbiotic relationships between research and inter-disciplinary practice.

Built environment projects have been supported by grants pioneering approaches in problem based cross-disciplinary work, developing architecture as a critical practice. This has involved placing professional activity within a wider cultural framework recognising the overlap between theory, academic concerns and production.

Northern Powerhouse and the influence on the Education Sector

Philip Dyer, Director, Northern Powerhouse

Philip is Atkins' client director for the northern powerhouse. His role is to work with clients and other organisations, to develop and deliver projects that will contribute to the future prosperity of the whole of the north of England.

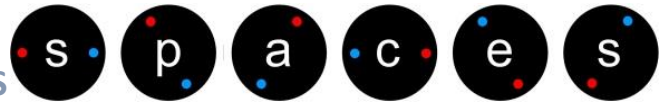
Philip has over 20 years' experience of leading complex business change in the public and private sector, in the UK, Europe and North America. He has provided client-side advice to UK Department for Transport, Transport for London and the Department for Education. He also managed the Atkins' public sector account, working with councils across England.

In 2015 he fulfilled the role of interim chief operating officer for the Future Cities Catapult, overseeing the delivery of all major programmes and projects. He remains a Fellow of FCC. Philip is also part of the team authoring the National Needs Assessment 2050, a report for the National Infrastructure Commission making recommendations on UK infrastructure provision up to 2050.

Prior to joining Atkins, Philip undertook a number of management and consultancy roles as well as working in the public sector for Newcastle and Gateshead councils.

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BIM Debate

Chaired by Les Copeland, Chairman, CIBSE BIM Group, Director, WSP (Panel Including Panel: Terry Stocks, Faithful+Gould, Andrew Almond, Pick Everard, Naghman Khan, Integrated Environmental Solutions) and Garry Fannon Willmott Dixon.

Debate on BIM, exploring level 2 BIM's progress so far (in the real world), how it affects different stakeholders and what, if anything, is needed next.

Les Copeland. Les is a Fellow of CIBSE, a member of the CIBSE Council and Chairs the CIBSE BIM Steering Group.

Les has holistic knowledge of the Mechanical and Electrical industry with over 25 years of experience in a wide variety of roles and sectors, ranging from sub-contract delivery, to senior management position in the UK's strongest Principal Contractors and currently hold directorship position at WSP. He has had the opportunity to work on a diverse career route which has given him experience and skills to successfully deliver award winning and landmark major projects. He has delivered projects in a wide range of sectors; from high rise commercial and residential schemes, shopping centres, leisure, industrial, pharmaceutical, manufacturing, city regeneration schemes to cutting edge waste recycling, with a proven track record for successfully delivering successful projects.

Terry Stocks. Terry is Head of Public Sector and Education at Faithful + Gould.

Terry is a Chartered Structural Engineer with over 30 years' experience in the construction industry. Terry has worked in both the public and private sector. Terry was the deputy Director Estates for the Ministry of Justice with responsibility for the delivery of all estates related projects across prisons, courts and the administrative estate. Terry led the UK Government's first BIM projects and is the current UK BIM Task Group Delivery Director for BIM Level 2 across Government. Terry is now a Director with Atkins Faithful+Gould and is their UK Head of Public Sector and Director for BIM. Terry also chairs the Government BIM Working Group which is attended by Govt Depts, large UK infrastructure providers and Local Government Representatives.

Andrew Almond. Andy is a Chartered Architect with 30 years' experience in the design, management and delivery of a wide range of construction projects for private and public sector clients. His focus is on delivering excellent solutions for clients through an efficient, high quality integrated consultancy service.

He is responsible for assembling and motivating multi-disciplinary teams to efficiently deliver tailored design and procurement solutions for large complex projects.

Andy is Pick Everard's Partner for education, responsible for working closely with universities, colleges, schools and their funding and governing bodies to deliver facilities for learning excellence. He also leads the practice's Residential sector, pursuing energy efficient living solutions, and the Conservation sector seeking to protect and efficiently utilise our valuable built heritage.

Andy is one of the leading exponents of the company's sustainable agenda and senior lead for Pick Everard BIM which is increasingly underpinning the delivery of our services.

Naghman Khan. Naghman is a Business Development Manager for IES and Group Secretary of the CIBSE Building Simulation Group. He has over 10 years of experience in the environmental engineering and sustainable energy sector. Naghman's main areas of expertise lie in Smart Cities, Energy & Environmental Modelling & Simulation and building physics.

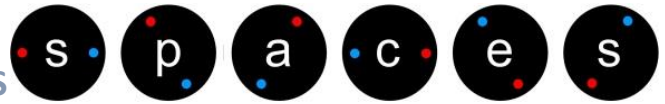
Garry Fannon. Garry is Head of BIM of all of Willmott Dixon Capital Works. Garry is championing our approach to BIM as we strive to use this exciting technology to improve how our project teams deliver better efficiency for our clients. We realise that as a major contractor we have a responsibility to help the industry get up to speed. BIM is The Future in Building!

Mike Shaw. Mike Shaw, BA (Hons) Architecture, B. Arch (Hons) has 25 years' experience as an architectural teacher and practitioner in both Europe and the US. He is currently Head of Design for the Mace Group, where he leads a team of 120 consultants, creating a diverse portfolio which including education projects, urban regeneration, offices and residential projects for both the public and private sectors.

Since his appointment in 2008, his design group has doubled, and in recognition of this fact, the group was recognised as a distinct section of the Mace consultancy offer in 2012. During his time in charge of the group, the

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architectural practice have been shortlisted and won 16 regional and national awards. He is regarded as a gifted teacher, mentor and leader, with an ability to create and communicate simple solutions to complex problems.

Mike has previously worked for a number of blue chip architectural practices, including; Donald Insall Associates (Cambridge), Rock Townsend (London), Foster and Partners (London), Studio Intini (Bari), Ian Simpson Architects (Manchester) and Munckenbeck + Marshall (London). He has lectured and taught in the UK and America, having spent 5 years as a member of the faculty at the Liverpool school of Architecture and as a visiting professor at the Universities of Washington and California (Berkeley).

A number of Mike's schemes have been the subject of design awards and commendations including RIBA spirit of ingenuity award, Green Building of the Year, LABC Built in Quality award, SCALA Building of the Year, Building Futures Award and HAA Building of the Year.

Digital Tools for Well Being

Dr Caroline Paradise Head of Design Research, Atkins.

Caroline Paradise is Head of Design Research at Atkins where she leads a research driven approach to developing innovative design solutions across the education sector. Caroline has pioneered research across the education, science and healthcare sectors and is passionate about the inherent value in capturing lessons learnt from completed projects. Her current role at Atkins is divided between developing and managing research initiatives and working with clients and design teams to develop a vision and detailed brief which captures the aspirations of a project with a focus on the importance of wellbeing. She is currently leading the development of Atkins human centred design service and associated digital tools.

Progression Board Workshop (Drop In) and Presentation

Michael Lacey, Cost Performance Manager, Essex County Council and SPACES Progression Board Member.

An exciting and interactive workshop exploring the use of next generation technology in Construction, where interested attendees can engage with the staff and students of the 'Manchester School of Architecture' and representatives from industry, to explore and create a live working example of Tech in use.

Workshops – Session 1

The development of design quality standards

Ann Bodkin, Head of Design and Specification Team, ESFA

The Education Skills & Funding Agency provides £61bn in revenue and capital funding, for the education and training of children, young people and adults in England. The ESFA delivers the policies set by the Secretary of State of the Department for Education.

Over the last three years, Ann, as Head of Design & Specification, has shaped the design standards of ESFA Capital, to integrate architecture and environmental engineering. The standards set a balanced brief, to inform design solutions that support the needs of the learners, staff and school leaders.

Ann's career as an architect includes the Architects Journal describing Ann as one of the top women influencing sustainable architecture in the UK.

Closing the building performance gap

Andrew Spencer, Engineering Design Adviser, ESFA

Reviewing a completed building post occupation by the school can provide huge benefits to all stakeholders and helps ensure that the design aspiration becomes a reality. An overview of the structured building performance evaluation methodology that has been developed through pilot studies on recently completed ESFA Priority School Building Programme projects will be presented.

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Andrew is a Chartered Engineer with over 30 years' extensive experience of design, maintenance and energy conservation of building services within large, complex property portfolios. This has included holding senior positions leading and managing works to school buildings.

The future of education in the new parliament – an industry perspective

Andrew Alsbury, Willmott Dixon

The workshop will look at what the general election result on 8 June means for schools and colleges with a particular emphasis on the implications for school buildings and the construction sector.

Andrew Alsbury is Education Sector Director for Willmott Dixon, the UK's largest builder of schools. Prior to joining Willmott Dixon Andrew spent 10 years working in central government on school building policy and programmes.

Delivering Educational Facilities for Children and Young Adults with Special Educational Needs

Andrew Almond and Dan Bradder Pick Everard, and Annita Cornish, London Borough of Hounslow

Andrew Almond. Andy is a Chartered Architect with 30 years' experience in the design, management and delivery of a wide range of construction projects for private and public sector clients. His focus is on delivering excellent solutions for clients through an efficient, high quality integrated consultancy service.

He is responsible for assembling and motivating multi-disciplinary teams to efficiently deliver tailored design and procurement solutions for large complex projects.

Andy is Pick Everard's Partner for education, responsible for working closely with universities, colleges, schools and their funding and governing bodies to deliver facilities for learning excellence. He also leads the practice's Residential sector, pursuing energy efficient living solutions, and the Conservation sector seeking to protect and efficiently utilise our valuable built heritage.

Andy is one of the leading exponents of the company's sustainable agenda and senior lead for Pick Everard BIM which is increasingly underpinning the delivery of our services.

Design for Manufacture/LEAN

Mark Worrall, MACE

Workshops – Session 2

Lessons learnt from central delivery and the PSBP programmes

Phil Slater and Jackie Lowe, ESFA

The impact of Technology on Building Surveying and Asset Management

Anthony Walker FRICS, Director Trident Building Consultancy and RICS Building Surveying Professional Group Board member and Tom Aburrow-Newman - Public Sector Lead - Kykcloud.

This session will provide a practical case study of the impact of technology on Building Surveying and Asset Management – in particular how Building Surveyors can capture asset data and turn it into intelligence for clients to use in the management of their asset portfolio. Data will be presented from a recent survey of RICS HQ to demonstrate in practice how this sort of information can allow for more informed decisions to be made on priorities, investments, maintenance and procurement.

Anthony is Director with Trident Building Consultancy where he is the Public-Sector lead, and manages the Marketing and Data team. In addition, he is responsible for PropTech in particular mobile based surveying technology that is utilised to assist clients manage their assets and make informed decisions on future investment.

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Prior to joining Trident he was a senior civil servant with the Education Funding Agency, Department for Education where he led the Property Data Survey Programme, developing options for ministerial approval and the delivery of surveys and asset management software on the largest national Building Surveying exercise ever carried out in Europe across - circa 23,000 schools and 53 million m2 GIFA. The data gathered was converted into intelligence to enable evidence based decisions to be made on funding, procurement and investment.

He has over 30 years Building Surveying experience in the private sector, public sector, civil service and the British Army.

He is active within the Royal Institution of Chartered Surveyors (RICS), a member of the Building Surveying (BS) Professional Group Board where he also leads on PropTech, contributed to Assets in the Built Environment guidance note, and regular speaker at the RICS BS Conference.

[Tom Aburrow-Newman](#)

The Australian study - environmental factors

[Shane Cryer](#), Ecophon

Shane Cryer manages the education sector in the UK and Ireland for Swedish acoustic experts, Ecophon. After a career in the construction industry, having studied building and property surveying, he now concentrates on building acoustics. Working closely with organisations such as The Institute of Acoustics (IOA) and the RIBA, Shane has been promoting the new BB93: Acoustic Design of Schools standard via CPD seminars, conferences and articles in the trade press. Shane also manages several acoustic research projects around the UK.

Discussing experiences in schools' design and the trade-off between comfort, energy and classroom performance

[Naghman Khan](#), Business Development Manager and [Colin Rees](#) Consultancy Manager, Integrated Environmental Solutions.

Naghman is a Business Development Manager for IES and Group Secretary of the CIBSE Building Simulation Group. He has over 10 years of experience in the environmental engineering and sustainable energy sector. His credentials include a PhD in Sustainable Energy and Building Simulation, a Master of Science (MSc) in Energy Technology & Policy, and a Bachelor of Science (BSc) in Physics.

Naghman's main areas of expertise lie in Smart Cities, Energy & Environmental Modelling & Simulation and building physics. He is co-author of the recently published CIBSE Publication: AM11 Building Performance Modelling.

Previous to joining IES, Naghman worked as a Senior Energy and Data Consultant in the City of London.

Colin attained an honours degree in environmental engineering from The University of Strathclyde. Since then he has acquired over 10 years of experience in the development and application of energy, environmental and compliance modelling software tools. Working for IES from their UK headquarters, along with temporary assignments in California and India, Colin has provided low energy and sustainability modelling services on numerous building projects globally and worked with some of the world's leading architectural and engineering practices. Colin is a key manager of the consultancy team which has been involved in projects ranging from the £4 billion development of Heathrow Airport Terminal 5, the International Sustainability Initiative undertaken by Wal-Mart Stores Inc., UK Building Regulations compliance studies inc. the Scottish Parliament.

Colin has provided mentoring, support and training to new and existing users of the IES Virtual Environment. With the role of Consultancy Manager comes overseeing group resource and project financial management across the IES Consultancy group together with developing the Quality Management and Project Management Systems.

Offsite - Lime Tree Primary Academy

[Philip Watson](#), Atkins

This workshop session sets out to show how environmentally responsible, bespoke, place-making design can be delivered quickly and cost effectively using offsite manufacture.

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Philip has been Atkins' Director for the Education since his arrival in 2007. He leads from the front, designing many of Atkins' most prominent projects and acting as mentor for others. He is particular interested in Design for Manufacture and Assembly, environmental sustainability, an Human Centred Design. He has pioneered Atkins' digital design service to ensure that design proposal support building users' needs. He has an open and approachable style and enjoys engagement with end-user clients. Philip is Visiting Professor at the University of Leeds.

Workshops – Session 3

The ESFA Condition Data Collection Programme - What's we're doing, and how it's being delivered.

Jake Wood, Condition Data Collection Programme Communications and Engagement lead, Education & Skills Funding Agency
Colin Mason, CDC Technical lead, ESFA and Phil Beswick, Programme Director, Arcadis (CDC Technical Services Management provider)

Broad areas covered by the session include:

- Why the CDC is being undertaken
- Who we're working with
- CDC programme timings
- Data collected by the CDC programme
- Data collection process
- Differences between CDC reports and locally commissioned condition survey reports.
- Proposals for access to and feedback on CDC reports
- Support needed from schools and responsible bodies
- Emerging themes & feedback to date

Jake has been part of the ESFA CDC team since June 2016, and is responsible for communications and stakeholder engagement for the programme. Previously, Jake was based in local government for 16 years, with responsibilities covering school place planning and school capital programme delivery.

Achieving design quality

Beech Williamson, Architectural Design Adviser, ESFA

The calibration of environmental design

Richard Daniels, Environmental Engineering Design Adviser, ESFA

The new output specification has been structured to provide a Generic Design Brief supported by Technical Annexes. The specification is a calibration of the current Facilities Output Specification. This presentation will cover the requirements for Environmental Design.

Richard has worked in the Department for Education and the Education Skills and Funding Agency since 1987. He is a Chartered Engineer and Member of Chartered Institute of Building Services Engineers.

He is responsible for producing Environmental Guidelines for the Design of Schools

Designing for autism

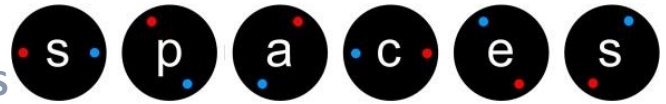
Helen Peddler, Director, Pedder & Scampton

A brief introduction to Autism and the particular issues arising in the built environment, an example of a small housing scheme, and examples/pointers for the design of schools.

Pedder & Scampton is an RIBA Chartered practice based in Islington, London. Both Directors worked in senior positions for large established Architectural practices before setting up Pedder & Scampton in 1998. One Director is

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responsible for the detailed implementation of each project working with our staff team as appropriate. Design work is produced jointly.

School Building Cost Benchmarking – a national study that can bust myths and help you deliver cost effective buildings

Steve Clow, Assistant Director Property and Facilities, Hampshire County Council

The National Schools Delivery Benchmarking exercise has now been collecting data for five years. It is the most comprehensive nationwide repository of completed school costs ever produced. Since its inception in 2012, it has gained momentum and steadily increased the number of participating Authorities. The study is supported by the Department for Education and for the last two years, the Education and Skills Funding Agency (ESFA) has provided data on completed centrally delivered programmes.

The data captured information from 107 Authorities, 545 completed school projects (Primary, Secondary and Special) with a combined value of £3.6 billion. The workshop presentation will share the methodology and present the data in both numerical and graphical format to give an informative and powerful picture of averages and trends. This will enable public sector bodies to compare their own costs and provide an evidential basis for setting future budgets and identifying 'outliers' that may require intervention.

The data benchmarking process is an excellent example of the public sector working in partnership in an open and engaging way. The LGA now funds the work and a team at Hampshire County Council in collaboration with the East Riding of Yorkshire and the ESFA.

Steve Clow looks forward to sharing the presentation with you at the Conference.

Steve Clow leads Hampshire County Council's Property and Facilities Services. With over 300 professional staff offering a comprehensive multi-disciplinary service, the Team delivers a wide range of capital projects in the public sector as well as managing the Council's existing built estate of around 5,000 buildings on 1,000 sites. Property Services undertakes work for other public sector Partners through innovative shared service arrangements. The Service is a regular award winner, with accolades in the areas of design, sustainability and innovation in procurement.