

## Conference Program

**Wednesday, June 29, 2016**

WIFI ACCESS: Use *wifi\_guest* and provide email address

### WELCOME RECEPTION

Description: *Welcome drinks and canapé*

Time:

17:00 - 19:00

Venue:

*Wessex Restaurant*

### Our campus



- 1 Polden Court
- 2 Westwood
- 3 West Accommodation Centre
- 4 Wessex Restaurant
- 5 4W Café
- 6 Parade Bar & Grill
- 7 Claverton Rooms
- 8 Fountain Canteen
- 9 Brendon Court
- 10 Library
- 11 Chancellors' Building
- 12 Eastwood
- 13 lime tree
- 14 Solsbury Court
- 15 CAFE
- 16 The Edge
- 17 Woodland Court
- 18 East Accommodation Centre
- 19 The Quads
- 20 East Building
- 21 Sports Café

**CONFERENCE DAY 1**

**Venue:** *Chancellors' Building, University of Bath*

08:00 Registration & Refreshments: *Chancellors' Building foyer*

08:45 Opening: **Prof Gary Hawley**, Dean & Medlock Chair of Engineering Faculty of Engineering & Design, University of Bath *Chancellors' Building CB1.12*

09:00 Keynote 1: **Lady Prof. Rachel Cooper**

09:30 Keynote 2: **Mr Stephen Forneris AIA**

10:00 Discussion (Q&A)

**BREAK**

10:45 **Parallel sessions 1**

Session a: CB 1.12

#	authors	title	category
<b>Session chair:</b>		<b>Ricardo Codinhoto, University of Bath</b>	
1	Seda Kacel and Benson Lau	<b>LOUIS I. KAHN AND RICHARD KELLY: COLLABORATIVE DESIGN IN CREATION OF THE LUMINOUS ENVIRONMENT</b>	<b>Collaborative working</b>
2	Alison Pooley and Nadeeshani Wanigarathna	<b>INTEGRATED DESIGN THROUGH INTEGRATING STUDENTS: A MEETING OF MANY MINDS</b>	
3	Anne Symons, Grant Mills and Roberts Aeli	<b>STAKEHOLDER INTEGRATION AND ITS RELATIONSHIP WITH THE REQUIREMENTS CRUNCH POINT IN THE DESIGN OF MAJOR HOSPITAL PROJECTS</b>	
4	Chris Allen and John Smallwood	<b>INTEGRATED PROJECT IDEOLOGY AND ITS IMPACT ON THE SOUTH AFRICAN CONSTRUCTION INDUSTRY</b>	
Discussion (Q&A)			

Session b: CB 5.6

#	authors	title	category
<b>Session chair:</b>		<b>Stephen Lo, University of Bath</b>	
5	Yun-Tsui Chang, Amarnath Chegu Badrinarth and Shang-Hsien Hsieh	<b>A PRELIMINARY STUDY ON CURRENT PRACTICES AND BARRIERS IN DESIGN ANALYSIS AND DECISION MAKING AT CONCEPTUAL DESIGN STAGE OF TAIWAN'S GREEN BUILDING PROJECTS</b>	<b>Building performance and management</b>
6	Yousef Al Horr, Arif Mohammed, Amit K Kaushik, Ahmed Al-Mazroei, Martha Kafatygiotou and Esam Elsarrag	<b>OCCUPANT PRODUCTIVITY AND ITS RELATION TO INDOOR ENVIRONMENT QUALITY</b>	
7	Xunzhi Yin, Mike Lawrence and Wenshao Chang	<b>ENERGY SAVING AND CARBON REDUCTION POTENTIAL OF UTILIZATION OF PSBS IN HIGH RISE DOMESTIC BUILDINGS IN NORTHEAST CHINA</b>	
8	Julie Ann Fitcher and Tristan Kershaw	<b>URBAN FORM AS AN ENERGY MANAGEMENT PARAMETER</b>	
Discussion (Q&A)			

Session c: CB 5.7

#	authors	title	category
<b>Session chair:</b>		<b>Ecem Edis, Istanbul Technical University</b>	
9	Helga Tauscher	<b>BILLIE. AN EXTENDIBLE FRAMEWORK FOR THE CONFIGURABLE VISUALIZATION OF INFORMATION MODELS</b>	<b>Integrating technologies (ICTs and BIMs) and mediated intelligence</b>
10	Anil Sawhney, Manav Mahan Singh and Vaishnavi Sharma	<b>BUILDING INFORMATION MODELLING &amp; INTERNATIONAL PROPERTY MEASUREMENT STANDARDS: PROMISING PROSPECTS</b>	
11	Manav Mahan Singh, Anil Sawhney, Vaishnavi Sharma and Sonika Prakash Kumari	<b>EXPLORING POTENTIALS OF USING BIM DATA FOR FORMWORK DESIGN THROUGH API DEVELOPMENT</b>	
12	Ammar Azzouz, Paul Shepherd and Alex Copping	<b>THE EMERGENCE OF BUILDING INFORMATION MODELLING ASSESSMENT METHODS (BIM-AMS)</b>	
Discussion (Q&A)			

12:00

**LUNCH**

13:30

**Parallel sessions 2**

Session a: CB 1.12

#	authors	title	category
<b>Session chair:</b>		<b>John Smallwood, Nelson Mandela Metropolitan University</b>	
13	Tom Veeger and Faas Moonen	<b>VARIOUS CHALLENGING STUDENTS ASSIGNMENTS: CASES OF CREATIONS REALIZED ON FESTIVALS AND EVENTS</b>	<b>Education for integrated design</b>
14	Faas Moonen and Tom Veeger	<b>EVALUATION ASSESSMENT CARROUSEL; PROVIDING FEEDBACK IN DIFFERENT STAGES OF A PROBLEM BASED LEARNING-ASSIGNMENT</b>	
15	Shauri Hettiarachchi and Prasanna Pitigala Liyanage	<b>INTEGRATIVE SYSTEMS OF DISRUPTION: DESIGNING PLATFORMS FOR CONTEMPORARY SOCIOCULTURAL DIALOGUE</b>	
16	Ecem Edis	<b>LEARNING BUILDING SUBSYSTEMS' INTERACTIONS AND ENVIRONMENTAL SUSTAINABILITY BY DOING – A DISCUSSION ON A DESIGN STUDIO EXPERIENCE</b>	
17	Robert Grover, Copping Alex and Stephen Emmitt	<b>LEARNING FROM THE PAST: A CONCEPTUAL MODEL OF INDEPENDENT TYPOLOGY FORMATION IN THE DESIGN STUDIO</b>	
Discussion (Q&A)			

Session b: CB 5.6

#	authors	title	category
<b>Session chair:</b>		<b>Rachael Luck, Open University</b>	
18	Eleni Tracada and Antonio Caperna	<b>THE CITY OF THE FUTURE AND THE LAWS OF PHYSICS: BIOURBANISM AND CONSTRUCTAL LAW</b>	<b>Sustainability and Resilience</b>
19	Maryam Imani, Federica Pascale, Georgios Kapogiannis and Keith Jones	<b>HOSPITAL RESILIENCE-INFORMED DECISION-MAKING: UNCERTAINTIES AND INTERDEPENDENCIES</b>	
20	Kemi Adeyeye, Ricardo Codinhoto and Stephen Emmitt	<b>INTEGRATED DESIGN FOR FLOOD RESILIENCE</b>	
21	Kanchane Gunawardena and Tristan Kershaw	<b>GREEN AND BLUE-SPACE: SIGNIFICANCE FOR URBAN HEAT ISLAND MITIGATION</b>	
22	Camila C. Oliveira, Nayara R. M. Sakiyama, Rodrigo B. Campos, Italo B Prates and Layane V. Miranda	<b>CLIMATE DATA ANALYSIS FOR DESIGN GUIDELINES OF A BRAZILIAN TROPICAL CITY: TEOFIL OTONI</b>	
Discussion (Q&A)			

Session c: CB 5.7

#	authors	title	category
<b>Session chair:</b>		<b>Andrew Heath, University of Bath</b>	
23	Sagara Jayasinghe	19TH CENTURY CATHOLIC CHURCH ARCHITECTURE IN SRI LANKA: AS AN ORIGINAL TYPOLOGY FOR THE TROPICAL CHURCH	Retrofitting historic and heritage buildings/ universal design
24	Chien-Ta Huang, Hung-Chi Su and Chun-Ta Tzeng	THE FIRE-RESISTANCE PERFORMANCE OF TIMBER COLUMNS AFTER REPAIR AND REINFORCEMENT FOR HISTORICAL BUILDINGS	
25	Cristiano Figueiredo, Richard J. Ball and Mike Lawrence	MECHANICAL PROPERTIES OF STANDARD AND COMMONLY FORMULATED NHL MORTARS USED FOR RETROFITTING	
26	John Harding, Rachael Luck and Nick Dalton	JOURNEYS IN THE CITY: EMPATHISING WITH THE USERS OF TRANSPORT BUILDINGS	
Discussion (Q&A)			

15:30

**BREAK**

16:00

**Parallel sessions 3**

Session a: CB 1.12

#	authors	title	category
<b>Session chair:</b>		<b>Pete Walker, University of Bath</b>	
27	Abubakar Salisu	RETROFITTING EXISTING CLASSROOM FENESTRATIONS IN NIGERIA FOR OPTIMAL DAY LIGHTING USING CLIMATE-BASED DAYLIGHT MODELLING	Building performance/engineering the design
28	Sonja Oliveira, Elena Marco, Bill Gething and Samantha Organ	OUTWITH DOMAIN...WITHIN TERRAIN - EFFECTS OF EARLY DESIGN ENERGY MODELLING ON DESIGN PRACTICE	
29	Hussein Mustafa and Palaneeswaran Ekambaram	EFFICIENT LEAN – GREEN DESIGN: THE WAY TOWARDS DESIGNING TO INTEGRATED TARGET IN CONSTRUCTION	
30	Alastair Marsh, Andrew Heath, Venkat Reddy and Mark Evernden	A HOLISTIC MATERIALS DESIGN REQUIREMENTS FRAMEWORK (HOMDREF) FOR FUTURE HOUSING MATERIALS	
31	Ze Nunes, B Blanco and S Lo	CHARACTERISING THE ACOUSTIC PERFORMANCE OF OPEN WINDOWS USING FINITE ELEMENT MODELLING	
Discussion (Q&A)			

Session b: CB 5.6

#	authors	title	category
<b>Session chair:</b>		<b>Alex Copping, University of Bath</b>	
32	Veljko Armano Linta	STORYTELLING IN ARCHITECTURE – THE COMMUNICATION OF WELLBEING	Collaborative working
33	John Scott, Rachael Luck and Marian Petre	PROJECT DEFINITION IN ARCHITECTURAL PRACTICE – SITUATED COLLABORATION.	
34	Mathilde Landgren, Lotte Bjerregaard Jensen, Alfred Heller, Jørn Kiesslinger, Ole Hornbek and Peter Andreas Sattrup	MAPPING ONE YEAR'S DESIGN PROCESSES AT AN ARCHITECTURE FIRM SPECIALIZED IN SUSTAINABLE ARCHITECTURE - HOW DO SUSTAINABILITY CERTIFICATION SYSTEMS AFFECT DESIGN PROCESSES?	
35	Alejandro Prieto, Ulrich Knaack and Tillmann Klein	FAÇADE INTEGRATION: SURVEY-BASED ASSESSMENT OF THE MAIN PROBLEMS FOR THE INTEGRATION OF BUILDING SERVICES IN FAÇADE SYSTEMS	
Discussion (Q&A)			

**CONFERENCE DAY 2**

Venue: *Chancellors' Building, University of Bath*

08:00 Registration & Refreshments: *Chancellors' Building foyer*

08:45 Main session: *Chancellors' Building CB1.12*

09:00 Keynote 3: **Prof. Anne Beim**

09:30 Keynote 4: **Mr Rodrigo Rubio Vollert**

10:00 Discussion (Q&A)

10:15 **BREAK**

10:45 **Parallel sessions 4**

Session a: CB 1.12

#	authors	title	category
<b>Session chair:</b>		<b>Faas Moonen, TU Eindhoven</b>	
36	Nini Leimand, Mette Jerl Jensen and Kjeld Vindum	HOW TO EDUCATE FOR INTEGRATED DESIGN AT THE ROYAL ACADEMY OF FINE ARTS, SCHOOL OF ARCHITECTURE, KADK?	Education for integrated design/ Knowledge integration
37	John Rabba and Alex Copping	UNDERSTANDING INFORMAL COMMUNICATION NETWORKS IN ENGINEERING DESIGN CONSULTANCY DECISION-MAKING: AN EXPLORATORY STUDY	
38	Yuanyuan Hua and Anita Liu	AN INVESTIGATION OF PERSON-CULTURE FIT AND PERSON-TASK FIT ON ICT ADOPTION IN THE CONSTRUCTION INDUSTRY	
39	Henriette Ejstrup	TOWARDS SUSTAINABLE ENERGY INTERVENTIONS	
40	Wojciech Plowas, Robert Hairstans, Thomas Bell and Julio Bros Williamson	UNDERSTANDING THE COMPATIBILITY OF UK RESOURCE FOR DOWEL LAMINATED TIMBER CONSTRUCTION	
Discussion (Q&A)			

Session b: CB 5.6

#	authors	title	category
<b>Session chair:</b>		<b>Eleni Tracada, University of Derby</b>	
41	Martin Wilkinson	ORIGIN OF JOINT COURSES IN ARCHITECTURE AND CIVIL ENGINEERING AT THE UNIVERSITY OF BATH	Architectural detailing/ design management
42	M. Cem Altun and Işıl Türkay	INTEGRATED DESIGN PROCESS IN ARCHITECTURAL EDUCATION: THE CONSTRUCTION PROJECT STUDIO EXPERIENCE	
43	Işıl Türkay and M. Cem Altun	A DESCRIPTIVE APPROACH FOR AESTHETIC EVALUATION OF ARCHITECTURAL DETAILS: A TRIAL VERSION	
44	Jim Sloan	'EARLY CAREER ARCHITECTS' AND THE ACT OF DETAILED DESIGN IN ARCHITECTURAL PRACTICE: ESTABLISHING AN EFFECTIVE RESEARCH DESIGN.	
45	Mei-Yung Leung and Ibukun Famakin	SPACE MANAGEMENT FOR ELDERLY QUALITY OF LIFE IN PUBLIC AND SUBSIDIZED HOUSING	
Discussion (Q&A)			

12:15 **General Discussion & CLOSE**

**Prof Stephen Emmitt**

13:00 **HOT LUNCH:** **Wessex Restaurant**

14:30 **Free afternoon to explore the City of Bath**