



PLEA 2017 EDINBURGH

Design to Thrive

BUILDING PERFORMANCE EVALUATION FORUM

Royal Society of Edinburgh: **Wolfson Lecture Theatre**
July 4th

10.00 - 11.00: Learning from Performance - Schools and Workplaces

Chair	TIME	min		Tim	Sharpe	
1	10:00	10	0165	Edward	Borgstein	Towards benchmarking of HVAC energy in commercial buildings in warm climates
2	10:10	10	0755	Luisa	Pastore	Exploring the influence of contemporary façade design on occupant satisfaction: a preliminary study in office buildings
3	10:20	10	1172	Adam	O' Donovan	A long term energy and thermal comfort parameter dataset for calibration of low energy building retrofit simulation
4	10:30	3	1251	Mina	Jowkar	Investigation the Impact of Students Background on their Thermal Perception at Higher Education Building
5	10:33	3	0513	Rawan	Qubrosi	The impact of imposed façade design on the occupants' visual and thermal satisfaction in educational buildings in Jordan: The case study of German Jordanian University in evaluating the performance of Architecture.
6	10:36	3	1446	Barbara	Iamauchi Barrosoo	The performance, under the Ergonomic approach, of Brazilian Modernist Architecture icons in São Paulo, built between 1930 and 1964: commercial and service buildings.
7	10:39	3	1110	Kate	Carter	The Assembly Rooms Energy Living Lab
8	10:42	3	0404	Alison	Kwok	Campus Audit Squads for Energy (CASE): understanding occupant's behavioral patterns and energy use through plug loads
9	10:45	3	0754	Sani	Ali	Evaluating Indoor Environmental Qualities (IEQ) of Laboratories in a Northern Nigerian University
10	10:48	3	1648	rami	qaoud	The impact of Constructivism Density of The urban Tissue in Improving The physical Urban Ambience of The Free Space - The street- For Saharian Cities. The study of The case City of Biskra
11	10:51	3	1090	Hongxin	Feng	Performance analysis and practice in prefabricated building based on BIM
12	10:54	3	741	Thomas	Leena	Indoor Environmental Quality conditions in Activity-Based offices in green buildings

11.00-12.00: Learning from Performance - Retrofit

Chair				Ulrike	Passe	
13	11:00	10	0923	Ignacio	Oteiza	Comfort and Energy Efficiency Analysis of Multifamiliar Buildings (1940- 1980) in MADrid, Pain: Monitoring Cases to Achieve an Energy-Efficient refurbishment
14	11:10	10	0176	Sahar	Zahiri	Building Performance Optimisation for the Retrofit of the Social Housing in the UK: A case study of a tower block in London Borough of Newham
15	11:20	3	0712	Beatriz	Arranz	Experimental evaluation of the impact of window improvement in Social Housing and in real weather conditions REVen Laboratory in Madrid.
16	11:23	3	0780	Roshni Udyavar	Yehuda	Retrofit for Optimizing Building Thermal Performance in Warm-Humid Climate
17	11:26	3	0201	Aliakbar	Kamari	Sustainable Retrofitting Framework: Introducing 3 levels of Integrated Design Process Implementation and Evaluation
18	11:29	3	0470	Aidan	Reilly	Climate change scenarios analysed with the transient energy ratio
19	11:32	3	0708	Gerald	Mills	The Overlooked Impact of Tall Buildings on the Net-Energy Needs of Neighbouring Buildings and Streets
20	11:35	3	1451	Rajan	Rawal	What do the traditional pol-houses teach us for contemporary dwellings in India?
21	11:38	3	1682	mohamed	aly	Clarks Crow: New Parametric Framework Motivating Environmentally Conscious Design
22	11:41	3	1452	Maamar	Hamdani	Study of the thermal impact of soil on Energy performance of buildings
23	11:44	3	0662	Aline	Schaefer da Rosa	Cluster Analysis for Thermal Behaviour Assessment in Southern Brazilian Low-Income Housing

12.30-13.30: Learning from Performance - User effects

Chair				Fionn	Stevenson	
24	12:30	10	1125	Bruna	Balvedi	Monitoring occupant behaviour in residential buildings
25	12:40	10	1081	Joe	Clarke	Measuring and presenting real time environmental indicators for optimised building performance
26	12:50	10	0442	Linda	Toledo	Vulnerability and resilience in energy efficient homes: thermal response to heat waves
27	13:00	3	1650	Magdalena	Baborska-Narozny	Usability Tool - accounting for understanding and usability in BPE
28	13:03	3	0057	Timothy O.	Adekunle	A study on evaluation of thermal comfort of occupants, summertime and wintertime temperatures in a single prefabricated structural timber dwelling unit
29	13:06	3	1573	Dr. Andres	Moreno Sierra	Impact of new recycled materials on thermal comfort of low-cost housing in Bogota, Colombia
30	13:09	3	0460	Shanshan	Tong	Building façade design for indoor thermal comfort and cooling load reduction

13.30 - 14.30 Learning from Performance - New Buildings and discussion - the way forward?

Chair				Tim	Sharpe	
31	13:30	10	0420	Kurt Emil	Eriksen	Seven key lessons from Active House demonstration buildings
32	13:40	10	0799	Ulrike	Passe	Observation and analysis of passive solar home control strategies for active users
33	13:50	3	1493	Blanca	Dasi Espuig	Form Follows Performance
34	13:53	3	1575	Anne Kirkegaard	Bejder	How user practice and habits impact the energy consumption in nearly zero energy youth housing in Denmark
35	13:56	3	1240	Stina Rask	Jensen	Towards a Holistic approach to Low Energy-Building Design: Introducing Metrics for Evaluation of Spatial Quality
36	13:59	3	0246	Wei	Shi	An investigation into energy consumption behaviour and lifestyles in UK homes: Developing a smart application as a tool for reducing home energy use
37	14:02	3	1285	Neveen	Hamza	Reducing Agitation in Dementia Patients: a role for Environmental Design
38	14:05	10	0884	Fionn	Stevenson	A review and way forward for embedding Building Performance Evaluation in Practice
Discussion	14:15	30				Discussion and Q&A