



PLEA 2017 EDINBURGH

Design to Thrive

ENERGY EFFICIENCY FORUM

Assembly Rooms Building: **East Drawing Room**
July 4th

	TIME	min			
10.00 - 11.15: Modelling for Energy Efficiency					
	Chair:			David Jenkins	
1	10:00	5	0605	Hashem Taher	Window to Wall Ratio for High-rise Office Buildings in Temperate Climates: Assessing Façade Embodied Energy and Building Operative Energy (Life Cycle Energy)
2	10:05	5	1053	Ahmed Shahin	Integration Of Passive And Active Solar Techniques Towards developing a Zero-Energy strategy for Egyptian Office Buildings
3	10:10	5	1524	Daniela Werneck	Studies on energy performance utilizing computer simulations towards a zeb building: a case study in chico mendes institute in Brasilia
4	10:15	10	0037	Felipe da Silva Duarte	Thermal-Energy Performance for Office Buildings in Brazil Using Multi-Objective Optimization
5	10:25	10	0382	TANYA SAROGLU	Simulations for energy efficiency of residential and office building skyscrapers
6	10:35	10	0505	Zoltan Nagy	Reinforcement Learning for smart buildings and cities
7	10:45	10	0787	Ana Hackenberg	Statistical Analysis of the Influence of Constructive Parameters in the Energy Efficiency of a Building
8	10:55	10	1256	Hui Ben	Energy retrofit in UK homes: a tailored approach using household archetypes
9	11:05		1358	Goopyo Hong	Optimal calculation of outdoor air fraction for conserving energy
11.15-12.00: Standards, regulations and policy					
	Chair:			David Jenkins	
10	11:15	5	0753	Suraj Paneru	UK Government's Household Energy Efficiency Incentives and Social Housing Organizations' Perspective on Energy Efficiency Retrofit
11	11:20	5	0857	Letiane Beninca	Labeling of the energetic efficiency on a case study in Passo Fundo, RS, Brazil, in accordance with the mentioned methods under the respective Brazilian regulation – RTQ – C.”
12	11:25	5	1270	Alejandra Cortes	Energy Efficiency in Higher Education
13	11:30	10	0332	Michael Keltsch	Nearly Zero Energy Laboratory Buildings / Nearly Zero Energy Standard for non-residential buildings with high energy demands
14	11:40	10	0686	Carlos Marmolejo-Duarte	Does Energy Performance Certification evenly increase residential values?
15	11:50	10	1107	Sally Semple	Variety in Energy Performance Certification for Residential Properties across Europe
12.30-13.30: Building design and retrofit					
	Chair:			Fan Wang	
16	12:30	5	0040	Noorihan Deraz	Reshaping Architectural Choice through Adaptation in Al-khobar, Saudi Arabia
17	12:35	5	0235	Florencia Collo	Solar Urbanism and Building Design in Buenos Aires
18	12:40	5	0969	Leticia Neves	Envelope design of mixed-mode office buildings: theory versus practice
19	12:45	5	1247	Maryam Farzin	Incorporating biomimicry principles into building envelopes: an overview on developed examples
20	12:50	5	1574	Ludmila Freitas	Evaluation of decision-making on the building design lifespan prediction through energy life cycle assessment: the case of a university building
21	12:55	5	1601	Vincent Buhagiar	An assessment of Glazing Systems suitable for the Mediterranean Climate
22	13:00	10	0078	Gargi Priyamwada	Impact of surface modulation on solar heat gain: A performance evaluation of brick cantilevers/overhangs in brickwork
23	13:10	10	0315	Antoine Dugue	E2VENT: an energy efficient ventilated façade retrofitting system. Presentation of the embedded LHTES system.
24	13:20	10	1254	Anna Nefedova	Modern requirement for thermal performance of building envelope in Russia
13.30-14.30: Monitoring and case-studies					
	Chair:			Fan Wang	
25	13:30	5	0199	Miguel Arzate	Energy consumption meters for housing with hardware and open source design
26	13:35	5	0247	Joao Costa	Morphological characteristics and energy consumption of office buildings in the central area of Brasilia
27	13:40	5	0508	Meinan Wang	Effect of Air Conditioning Usage Pattern on Indoor Thermal Environment and Energy Consumption of Multi-Residential Buildings in Hot and Humid Region
28	13:45	5	0560	Rithika Thomas	Establishing Baseline and Experimental Set- Up for Performance Evaluation of Innovative Solar Insulation Film for Fenestration: A Test-bed in the Tropics.
29	13:50	5	1415	Gulnora Tangabaeva	Factors affecting the energy consumption for space heating of residential buildings in Tashkent region, Uzbekistan
30	13:55	5	1709	Richard Fitton	Measured energy savings from curtains manufactured from waste fabric
31	14:00	10	0742	Patricia Alvina	Establishing Benchmarking for Campus Wide Energy Intensity Reduction through Performance Evaluation at Building Level - An Example in the Singapore
32	14:10	10	1144	Tarun Kumar	An energy-neutrality based evaluation into the effectiveness of occupancy sensors in buildings: An integrated life-cycle methodological study
33	14:20	10	1245	James Erickson	Multi-Zone Adaptive Building Envelope: a Pilot Study