



PLEA 2017 EDINBURGH

Design to Thrive

CONSTRUCTION FORUM

Royal Society of Edinburgh (RSE): **Scott Room**
July 5th

10.00 - 11:00 SESSION 1

Chair:	TIME	min					
	10:00	12	1294	Steven	Phil Banfill		
	10:12				Coombs	An additive approach to the building envelope using Welsh-grown timber	
	10:24	12	0506	Xinan	Chi	How to provide "Better" rammed-earth buildings to villagers after earthquake in Southwest China- A Case Study of Ludian Reconstruction project	
	10:36	12	1004	贺	徐	Study on thermal defects of building envelope of prefabricated concrete shear wall building in cold area	
	10:41	5	0475	Elke	Meex	Challenges for the integration of sustainable materials into dwelling design and construction.	
	10:46	5	0669	Rumiko	Sasaki	Decision making factors of façade glass material selection in Tropical region, focusing on architectural designer	
Ds	10:46	10				DISCUSSION + Q&A	

11.00 - 12:00 Session 2

Chair:	TIME	min					
	11:00				Phil Banfill		
	11:12	12	1348	Tasneem	Tariq	Sustainable Urban Planning and Green Building Assessment Tools for Bangladesh, a Country of Tropical Region	
	11:24	12	0640	Pablo	Jimenez-Moreno	Comparison of Japanese and British off-site housing manufacturers and its relation with low/zero energy/carbon houses	
	11:29	5	0398	Fabrizio	Varriale	Regional scale domestic thermal insulation: future scenarios, embodied impact and use of local renewable resources	
	11:34	5	0510	Emmanuel	Rey	Microcity, an innovative building integrating sustainability issues from urban design to constructive detail	
Ds	11:34	10				DISCUSSION + Q&A	

12.30 - 13:30 Session 3

Chair:	TIME	min					
	12:30				Phil Banfill		
	12:42	12	0853	Ed	Green	MORE VERSUS BETTER: the tension between quality and quantity in housing, and opportunities offered by alternative approaches.	
	13:06	12	0928	Lien	Wijnants	Life cycle assessment of prefabricated timber frame 'open-renovation-systems' for rooftop extensions	
	13:11	12	1639	Aloísio	Leoni Schmid	Flexible and temporary buildings for more sustainable housing: energy life cycle analysis.	
	13:16	5	0485	Aleksis	Dind	WORKING SPACE – an innovative modular timber construction system for the sustainable vertical extension of office buildings	
	13:16	5	0670	Oanh	Ho	Identifying cost trends for green office buildings in Australia	
Ds	13:16	10				DISCUSSION + Q&A	

13.30 - 14:30 Session 4

Chair:	TIME	min					
	13:30				Phil Banfill		
	13:42	12	0975	Adriana	Lira	A Teaching Method for Heat Conduction and Thermal Inertia within a Sustainable Architecture Framework	
	14:06	12	1373	Ji	Zhang	A Case Study on the Relationship between the Distribution of Air Pollutant and Noise from Road Traffic and the Impacts of Building Typology in High Density Urban Context	
	14:11	12	0805	Zhang	Liu	Evaluation of slab-edge insulation on energy saving for heating and cooling residential buildings	
	14:16	5	0525	James	McGonigal	The Unintended Consequences of Improved Airtightness Levels on the Operation of Smoke Control Pressurisation Systems.	
	14:16	5	0586	Carlos	Galvão	Comparative Study of Thermal Performance and Environmental Comfort in Two Bioclimatic Brazilians Buildings Located in Savana Region	
Ds	14:16	10				DISCUSSION + Q&A	