

**Timetable**  
**PEOPLE AND BUILDINGS**  
**18th of September 2012**



09:30 **REGISTRATION**  
 10:00 Opening Address and Welcome

**Energy consumption assessment via simulation and measurement, energy audit and energy efficiency**

10:15	MC12-01	Silvia	Piccione	Energy retrofitting of social housing stock in Northern Italy
10:22	MC12-11	Paula	Morgenstern	In-situ measurement of heat loss from thermal stores
10:29	MC12-12	Kalim	Chidiac	Evaluation and Optimization of Kodak, Harrow, Combined Cycle Gas Turbine Unit Performance
10:36	MC12-21	Dionysios	Antypas	An ultra-low energy refurbishment of a 1900 Victorian dwelling in Oxford, UK
10:43	MC12-31	Hirad	Azmin	Production, Simulation and design of an anode supported SOFC
10:50	MC12-33	Christoph	Waibel	Non-deterministic Shape Optimisation of Wind Cowls by applying Simulated Annealing and Fast Fluid Dynamics
10:57	MC12-36	Parisa	Azar	The Impact of Replacement Windows on Heating-load, Overheating, and Air Quality of Classrooms of Victorian Schools
11:04	MC12-46	Evangelia	Anamourloglou	Autonomous housing and refurbishment: Is it feasible to make an existing urban house autonomous?

**Coffee**

11:30	MC12-65	Stella	Chatzigavriil	Timber construction in Greece: Exploring the potential in thermal performance in an office
11:37	MC12-41	Marianna	Christogianni	Risk Assessment of Thermal Bridging and related Mould Growth in Housing Refurbishment
11:44	MC12-43	Sandra	Camacho	Building Energy Modelling in Bogota City
11:51	MC12-38	Ioannis	Protonotarios	Low Carbon Building Design on Naxos Island
11:58	MC12-62	Seda	Kacel	From 'Nurses' Memorial Home' to 'Royal Standard House': The Upgrade of a Grade II Listed Dwelling in the frame of Sustainable Refurbishment
12:05	MC12-63	Rong	Xu	environmental study
12:12	MC12-68	Noura	Ghabra	The Contribution of Facade Design and Building Orientation to the Indoor Environment - Case Study: Broadcasting Tower in Leeds, UK
12:19	MC12-71	Aasiya	Aslam	in UK
12:25	MC12-76	Sven	Hallin	Minimising excessive winter energy consumption in Victorian classrooms while maintaining acceptable indoor air quality.

### **Passive and hybrid strategies for heating and cooling, shading and natural ventilation**

12:32	MC12-53	Danijel	Rusovan	Minimum Form, Maximum Performance
12:39	MC12-29	Marina	Stavrakantonaki	Design and validation of a daylight responsive façade system
12:46	MC12-51	Ilianna	Ntarladima	Thermal and visual comfort in Greek vernacular architecture
12:53	MC12-64	Zoi	Mylona	PV cells enhancement using nanostructured materials
13:00	MC12-66	Hung	Dang	Exchange, Nottingham
13:07	MC12-75	Evangelia	Topriska	Investigation of LED Alternatives in Retail Lighting

### **Lunch**

14:10	Sponsor	Hugo	Borrego.	from Amorim (cork products)
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### **Integrated renewable energy, low carbon cooling, solar panels, daylighting and low energy artificial light**

14:30	MC12-23	Grega	Zrim	Double skin facade for Ljubljana's climate - Applicability studies
14:37	MC12-25	Herman	Calleja	Passive Cooling Strategies for a Digital Creative Industry Hub in Malta
14:44	MC12-28	Ester	Bassas	Study of the Parameters that affect the Performance of a Domestic Ground Tempered Ventilation System in various climates
14:51	MC12-37	Baijia	Huang	Optimising the position of combined sensors in a typical open plan naturally ventilated office
14:58	MC12-52	Mariusz	Ropiak	Ventilation for Comfort and Efficiency in a Theatre
15:05	MC12-56	Andrew	Coker	Ground Source Heat Pumps; Too good to be true or buried renewable treasure?
15:12	MC12-60	Deepika	Singhal	Chimney Ventilation System in Minster School, Southwell -A successful strategy or a redundant building element
15:19	MC12-74	Elinor	Huggett	Overheating risk in night cooled buildings within London's urban heat island
15:26	MC12-47	Fatemehsadat	Mirakbari	Use of Ventilated Hollow Core Slab to Improve Energy Efficiency of the Built Environment

### **Tea**

### **Measuring comfort: post occupancy evaluation, indoor air quality, thermal, visual and other subjective surveys**

15:40	MC12-06	Anne-Marie	Fallon	Investigation into the interaction between indoor climate, activity and passive cooling on occupants of low energy buildings.
15:47	MC12-14	Luisa	Dias	An evaluation of Indoor Climate in a school building in Portugal
15:54	MC12-22	Yazhini	Chandrasekaran	An investigation of potential natural ventilation strategies for thermal comfort in the Howell building at Brunel University
16:01	MC12-39	Chrysoula	Tsakontsi	Are you sitting comfortably? A tale of two academic libraries.
16:08	MC12-54	Elisavet	Palaiologou	Natural ventilation in residential buildings in Athens: Results of field study on occupants' behaviour & perception of thermal comfort.
16:15	MC12-57	Francesco	Lozupone	Evaluation of thermal performance in a double skin facade
16:22	MC12-58	Agata	Pniewska	Daylight Performance and its Vital Effect on Building Occupants.

### **BREEAM, LEED, comfort standards, policy and building regulations, passivhaus**

16:29	MC12-35	Carla	Nassab	Behavioural Efficiency in Lebanon: Reasons and Incentives
16:36	MC12-59	Nadine	Boehm	Taking Action on Construction Waste - An analysis of construction waste minimisation practices and their barriers
16:43	MC12-61	Aritz	Moriones	Applicability of level 6 CSH: Refurbishment and Extension of a Grade II Listed building

### **Thermal and visual experience as a deliberate element of architectural design**

16:50	MC12-16	Christos	Viskadourakis	The Effect of Six Distinct Insulation Techniques on Earth Sheltered Houses: a Sensitivity Analysis
16:57	MC12-30	Sule	Olaniyan	fabrics?
17:04	MC12-67	My	Dao	Light and Thermal Balance by Facade Design: An investigation of the Gateway building

### **Other related subjects**

17:11	MC12-09	Aiglaia	Papakyriakou	The potential of integrating Design for Deconstruction as a waste minimization strategy into the profession of the architect
17:18	MC12-17	Mohamed	Imam	Resource Generating Residential Towers
17:25	MC12-18	Rayan	Azhari	A simplified analysis method to predict the impact of thermal insulation on the heating and cooling loads in residential buildings in Syria
17:32	MC12-32	Despoina	Fragkou	Study of Beehive and its potential “biomimicry” application on Capsule Hotels in Tokyo, Japan
17:39	MC12-40	James	Robb	One Planet Living - A better way to produce sustainable buildings?
17:46	MC12-44	Asier	Etxebarria	Timber-Structure Multi-Storey Apartment Buildings in the Basque Country

### **Papers not presented**

MC12-48	Maryam	Gholipour	Mysterious Patterned windows In primitive frontage of historical rural house of “MASOOLEH” in Iran
MC12-77	Jing	Huang	Designing Daylight Responsive Facade Shading System Integrated with Curved Origami Structure

### **SPONSORS**

