



# PLEA 2017 EDINBURGH

## *Design to Thrive*

### OVERHEATING FORUM

Assembly Rooms Building: **East Drawing Room**  
**July 5th**

	TIME	min		Samuel	Domínguez	
<b>12.30 - 13:35 Assesment of Overheating Risk</b>						
	Chair:					
1	12:30	10	1228	Rajat	Gupta	Assessing the occurrence of summertime overheating in occupied and unoccupied low energy homes
2	12:40	5	1178	Andrea	Botti	Thermal comfort and overheating investigations on a large-scale Passivhaus affordable housing scheme
3	12:45	10	0516	Giridharan	Renganathan	Heat stress in hospital ward spaces: An investigation on naturally ventilated hospital building in UK
4	12:55	5	1582	Argyris	Oraiopoulos	A new empirical model incorporating spatial interpolation of meteorological data for the advanced prediction of overheating risks in UK dwellings
5	13:00	10	0453	Daniel	Fosas	Overheating and health risks in refugee shelters: assessment and relative importance of design parameters
6	13:10	5	1563	Mike	Wood	Minimising Overheating in Passive and Low Energy Buildings Using Kriging-based inverse modelling techniques
7	13:15	10	0612	Yuko	Tsukiyama	Development of simulation program that helps designers find potential overheating in houses
Ds	13:25	10				<b>DISCUSSION + Q&amp;A</b>
<b>13.35 - 14:30 Strategies for Overheating Control</b>						
	Chair:					
8	13:35	10	1020	Pablo	La Roche	Optimizing Shade in Buildings with Digital Tools
9	13:45	5	0707	María	Gavira	Contribution of Solar Protection in Windows for Reducing Building Energy Demand in the Climatic Zones of the Spanish Peninsula
10	13:50	5	0785	Juan	Vallejo	Predicting Evaporative Cooling Performance of Wetted Decorative Porous Ceramic Systems in Early Design Stages
11	13:55	5	0891	Jefferson	Torres-Quezada	Experimental Study of the Roof Thermal Performance Influence over the the Mean Radiant Interior Temperature of an Industrial Building
12	14:00	5	0451	Emanuele	Habib	Effect of thermal diffusivity of insulating materials on room free-float temperature with façade external insulation
13	14:05	10	1617	Herman	Calleja	Climate-Responsive Façade Design for Office Buildings in London
14	14:15	5	0422	Elizabeth	Grant	The Inadvertent Consequences of a Bright Idea: An Experimental Study of Reflective Roofing
Ds	14:20	10				<b>DISCUSSION + Q&amp;A</b>