



PLEA 2017 EDINBURGH

Design to Thrive

DIGITAL DESIGN FORUM

Wellcome Room West
July 5th

	TIME	min		Chair:	Joe	Clarke	
10.00 - 12:00 Building Performance Assessment							
1	10:00	13	1029	Yun Kyu	Yi		Performance-Based 3D Interior Space Layout Optimization
2	10:13	13	127	Antonio	Carbonari		Buildings with large glazed surfaces: optimization of solar control strategies in relation to the building's thermal inertia
3	10:26	13	1314	francisco	carrasco		Computational simulation analysis and calibration of insulation in social housing in the city of Valparaiso, Chile.
4	10:39	13	468	Roy	Sigalingging		Assessing cooling energy load and dehumidification in housing built to Passivhaus standard in Jakarta, Indonesia
5	10:52	13	1324	Bianca	Negreiros		Thermal performance simulation of green roof on social housing in hot and dry climate in Brazil
6	11:05	13	1409	Kazuaki	Nakaohkubo		Shape optimization of louver by numerical analysis of solar radiation
7	11:18	13	1664	Joana	Gonçalves		The environmental potential of multi-storey Housing in Central São Paulo: an opportunity for reoccupying the city
8	11:31	13	1483	贺	徐		The analysis and design strategy research of the new edition "Assessment Standard for Green Building" of China
Ds	11:44	15					DISCUSSION + Q&A

	TIME	min		Chair:	Joe	Clarke	
12.30 - 14:30 Design Tools							
9	12:30	13	98	Pil Brix	Purup		Towards a Holistic Approach to Low-Energy Building Design: Consequences of Metrics for Evaluation of Spatial Quality on Design
10	12:43	13	1585	Mathieu	Schumann		Interdisciplinarity around design tools for new buildings and districts: the ANR MERUBBI project
11	12:56	13	1317	Helge	Simon		Evaluation of ENVI-met's multiple-node model and estimation of indoor climate
12	13:09	13	1422	Emanuele	Naboni		Outdoor Comfort Simulation in Architectural Design Process: a Qualitative Assessment of Tools.
13	13:22	13	630	Giuseppe	Peronato		Integrating urban energy simulation in a parametric design environment
14	13:35	13	1668	Hidenori	Kawai		Outdoor Space Modelling for BIM-Based Building Thermal Simulation
15	13:48	13	1455	Thomas	Leduc		Limit the buildings envelope in order to prevent the surroundings mask effect: towards an efficient implementation in the SketchUp context
16	14:01	13	714	Anas	Hosny		A parametric sensitivity analysis of the impact of built environment geometrical variables on building energy consumption
Ds	14:14	0					DISCUSSION + Q&A