



# PLEA 2017 EDINBURGH

## *Design to Thrive*

## LOW CARBON DESIGN FORUM

Royal Society of Edinburgh (RSE): **Lower Gallery**  
**July 4th**

	TIME	min				
<b>13.30 - 14.30 Low Carbon Design</b>						
	<b>Chair:</b>			Gokay	Deveci	
1	13.30	10	0160	Marine	Fouquet	Establishing building environmental targets to implement a low carbon objective at the district level:
2	13.40	10	0703	Olga	Kolodiy	Towards Near Zero Energy in High Density Residential Areas
3	13.50	10	0181	Mark	DeKay	The Carbon Balance Index: A Simple Metric for Progress Toward Zero-Net Carbon
4	14.00	10	0534	Harvey	Bryan	Building Integrated Carbon Capturing (BICC)
5	14.10	10	1005	Abel	Tablada	Productive facade systems for energy and food harvesting: A prototype optimisation framework
Ds	14.20	10				<b>DISCUSSION + Q&amp;A</b>
<b>15.00 - 17:00 Low Carbon Design</b>						
	<b>Chair:</b>			Gokay	Deveci	
6	15.00	10	279	J Manuel	Almodovar	Thermal assessment of different configurations of pond roofs for passive cooling purposes
7	15.10	10	1462	Hareth	Pochee	New insight on passive ice making and seasonal storage of the Iranian Yakhchal for contemporary applications
8	15.20	10	1233	Venassa	Gomes	Life Cycle energy and GHG emission---oriented design: case of the Net Zero Emissions living lab in Brazil
9	15.30	10	1411	Camila	Della Bitta	Rethinking the market-driven urban block in Buenos Aires
10	15.40	10	401	Francesco	Pomponi	Bringing Pupils into Building Energy Performance: School Design, Construction and Operation
11	15.50	10				<b>DISCUSSION + Q&amp;A</b>
12	16.00	10	691	Guedi	Capeluto	Considerations for extending benefits of energy retrofits at the building level to the building stock
13	16.10	10	227	Iman	Khajehzadeh	Improving the Energy Performance of Historic Timber-Framed Buildings in the UK
14	16.20	10	483	Sonja	Oliveira	Heated living - Residents' valuation of heating practices in low carbon architecture
15	16.30	10	289	Iman	Khajehzadeh	The share of furniture and appliances in the life cycle energy of New Zealand houses
16	16.40	10	458	Juliana	Felkner	Tall Buildings: Structure and Energy
Ds	16.50	10				<b>DISCUSSION + Q&amp;A</b>