

## International Conference on Sustainability in Energy and Buildings

### Invited Sessions

**Title of Session: The potential of mass retrofits in the residential property market**

**Name of Chair: Professor Mark Deakin, Edinburgh Napier University**

**Description:**

This session shall examine how institutions can plan for low energy redevelopments and the possibility of low carbon zones. It shall capture the state of the art on mass retrofits within the residential property sector and draw particular attention to the type of baseline assessments which are needed to legitimate not only the strategic value of such arrangements, but their practical worth as measures that are capable of meeting emissions targets. Couched in such terms, the session shall serve to highlight the methodological challenges mass retrofit proposals raise, not only in relation to the data that is needed to examine them, but in terms of the information which is also required to carry out the profiling analyses and baseline assessments integral to any evaluation of their environmental sustainability.

**References:**

Deakin, M., Campbell, F. and Reid, A. (2012) The mass-retrofitting of an energy efficient low-carbon zone: baselining the urban regeneration strategy, vision, master-plan and redevelopment scheme, *Energy Policy*, 45: 187-200.  
Deakin, M., Campbell, F. and Reid, A. (2012) The mass-retrofitting of an energy efficient low-carbon zone, *Energy*, 165, (4): 197-208.  
Deakin, M. and Reid, A. (2013) Sustainable urban development: use of the environmental assessment methods, *Sustainable Cities and Society*, 7 (in press).  
Deakin, M., Campbell, F. and Reid, A. (2013) *The Potential of Mass Retrofit Proposals*, Springer, Berlin (forthcoming publication).

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