

## Integrated Environmental Solutions (IES) Expert Profile

**Liam Buckley, Project Manager (IES Consulting) & Business Development Manger**



### **Issues and Main Topic Areas of Expertise:**

- Climate & Solar analysis
- Steady-state loads analysis (ASHRAE & CIBSE)
- Whole building dynamic thermal simulation
- Detailed HVAC energy analysis & optimization
- Natural ventilation analysis
- Renewable energy systems
- Occupant thermal comfort
- Daylighting simulation & analysis
- Artificial lighting design
- CFD analysis
- Rainwater Harvesting
- Building Certification & Compliance (LEED, BREEAM, Part L)

### **Liam is available for:**

- Live software demonstrations
- Speaking opportunities at events
- Various building performance analysis training
- Interviews with journalists
- Comment/opinion pieces
- Expert advice on any of the above topic areas

**Location:** Boston, USA

**Credentials:** Chartered Engineer (C.Eng.) (2011)  
ASHRAE Building Energy Modeling Professional (BEMP) (2010)  
CIBSE Young Engineer of the Year (2009)  
Masters Degree in Sustainable Energy (2008)

Independent European EPBD Assessor	(2007)
1 <sup>st</sup> Class Honours Degree in Building Services Engineering	(2006)
Winner Annual CIBSE President's Award	(2005)
Distinction Diploma in Building Services Engineering	(2004)

**Speaker Experience:** 2009 CIBSE/ASHRAE – London, UK.  
2010 REHVA (Clima 2010) – Antalya, Turkey.  
2010 IBPSA-SimBuild – New York City, NY.  
2011 ASHRAE Energy Modeling Conference – Atlanta, GA.

**In the Press:** <http://www.cibsejournal.com/archive/2009-11/cover>

### **Biography:**

Liam Buckley, M.Eng., C.Eng. MIEI, BEMP, is a Business Development & Project Manager for IES Ltd; 'International Sustainability Consulting and Developers of the IES Virtual Environment'. Liam started as a Mechanical and Electrical Engineer with White Young Green in Dublin and is an expert in sustainable building design. His consulting work includes detailed HVAC energy analysis & optimization, whole building dynamic thermal simulation, computational fluid dynamics, natural ventilation analysis, renewable energy systems, occupant thermal comfort, daylight analysis and artificial lighting design. Liam has worked on various high-performance buildings in five different continents. He has broad knowledge of various international compliance and certification/rating systems. Liam holds a Bachelors Degree of Engineering from Dublin Institute of Technology, Ireland; a Masters Degree in Sustainable Energy from Brunel University in the UK; and is a recognized Chartered Engineer in Ireland and the UK. Liam is an Independent Assessor for the European Energy Performance of Buildings Directive (EPBD); an Associate Member of ASHRAE and an ASHRAE-certified 'Building Energy Modeling Professional' (BEMP). Liam is also co-teaches Building Energy Modeling seminars for IBPSA-USA, ASHRAE & the AEE.

### **Get in touch with Liam...**

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