

## Thursday

### Session XII

	<i>Practices A</i> <b>Building Envelope Performance</b> Chair: Francis Babineau	<i>Principles B</i> <b>Innovative Materials</b> Chair: Phalguni Mukhopadhyaya
<b>8:30 a.m. to 10:00</b>	<p><b>27</b> – Michael Lubliner “Approaching” Zero Energy in the Pacific Northwest Marine Climate</p> <p><b>192</b> – Dave Chasar Measured Performance of Side-by-side, South Texas Homes</p> <p><b>141</b> – Therese Stovall Analysis in Support of the Radiant Barrier Fact Sheet 2010 Update</p>	<p><b>48</b> – Andreas Zegowitz Cellular Glass Aggregate Serving as Thermal Insulation and a Drainage Layer</p> <p><b>197</b> – Dave Yarbrough Theoretical and Experimental Thermal Performance Analysis of Complex Thermal Storage Membrane Containing Bio-Based Phase Change Material (PCM)</p> <p><b>198</b> – John Smith Theoretical and Experimental Thermal Performance Analysis of the Building Shell Components Containing Blown Fiberglass Insulation Enhanced with Phase Change</p>

### Session XIII

	<i>Practices A</i> <b>Green Technology</b> Chair: Anik Teasdale St-Hilaire	
<b>10:30 a.m. to 12:00</b>	<p><b>105</b> – Daniel Zirkelbach Long-term Hygrothermal Performance of Green Roofs</p> <p><b>158</b> – Mark Lucuik The Greenest Building is the One That is Never Built: A Life Cycle Assessment Study of Embodied Effects for Historic Buildings</p> <p><b>164</b> – Guylaine Desmarais Why do Green Building Envelopes Fail and What Can Be Done About It?</p>	