



# COMPRESSED EARTH BLOCK PRODUCTION AND CONSTRUCTION SURVEY

INSTRUCTORS:  
**JAMES HALLOCK and JEFF ROTTLER**

**JUNE 13-17, 2011**  
**SAN MIGUEL DE ALLENDE, GTO, MEXICO**



This 5-day seminar is an introduction to the construction system of compressed earth blocks led by an industry leader and pioneer, James Hallock. James is a wealth of information with over 40 years in the construction industry and 17 years dedicated to the promotion of CEBs as a solution to the housing crisis. James will walk you through his CEB construction manual with a 1/2 day of classroom lecture and discussion and then practical fieldwork relating to machine selection, soil selection, stabilization, mixing, block production and the A-Z's of building with CEBs. This is an excellent precursor to the two-week CEB Laboratory Construction Practicum which will further develop one's skills, knowledge and confidence to build with earth, tread lightly on the planet and appreciate the use of appropriate technology. The Practicum involves constructing the walls of the laboratory section of the main campus building of the CATIS-MEXICO (Center for Appropriate Technology and Indigenous Sustainability).



### **Day 1:**

Morning: History, advantages and disadvantages of building with CEBs and earthen construction. CEB construction manual review.

Afternoon: Soil selection and processing, field testing, stabilizer selection, pH testing.

### **Day 2:**

Morning: Formulas for determining the right mix (dry weight) and conversion formulas for field production (volume).

Afternoon: Machinery selection, operation and maintenance.



### **Day 3:**

Making the mix, CEB manufacturing with different machinery, curing and testing.

### **Day 4:**

Morning: Building design, orientation, seismic reinforcement considerations. CEB quantity calculations, material and cost calculations.

Afternoon: foundations, grade beams, mortars.

### **Day 5:**

Story poles, water leveling, block laying, plumbing and electrical, window and door bucks, lintels, arches, nichos, bond beam reinforcement, roof attachment.

### **COST:**

\$625/\$525 USD - Regular Tuition/Early Bird Tuition (paid by April 25)

\$15 USD - 3 meals/day.

\$10 USD - Dorm/night.

\$5 USD - Camping/night with use of showers and bathroom.

Sign up early for the full month course stream and save \$600!!!  
(discount and free lodging)

Register at [www.iCATIS.org](http://www.iCATIS.org)

For more info, please contact: [informes@tierraycal.com](mailto:informes@tierraycal.com)