# World Center for Concrete Technology

## Blockmakers Workshops & Training Classes Fall 2011

*Providing your employees with education and training relevant to their job responsibilities is an investment that pays tremendous dividends. The WCCT is continuing to develop programs that satisfy the major employment needs of the concrete and concrete products industries.*

## On-Site Workshops at WCCT Alpena, Michigan

### 5 Day Workshops

- Concrete Masonry Technology (Oct. 3-7)
- Vibrapac (Oct. 10-14)
- Advanced Vibrapac
- Electronic Controls
- Product Handling
- Dynapac/Ultrapac/Superpac

### 3 Day Workshops

- Besser/Lithibar Cuber Training
- Executive Session
- Smartpac Vibrators

## Online Eight Week Training Courses

- Admixtures for Concrete (Sept. 19-Nov. 14)
- Aggregate Basics
- Basic Concrete Mix Proportioning
- Concrete Masonry Molds
- Concrete Masonry Technology
- Concrete Sustainability and LEED
- Electronic Fundamentals & Troubleshooting (Oct. 3-Nov. 28)
- Fundamentals of Concrete (Sept. 5-Nov. 14)
- Hydraulic Fundamentals & Troubleshooting
- Introduction to Cementitious
- Materials (Sept. 5-Oct. 31)
- Introduction to Plant Safety (Sept. 12-Nov 7)
- Optimizing Concrete Mixes
- SLC-500 Basics
- Self-Consolidating Concrete
- Vibrapac: Mechanical Adjustments

## Micro Courses (one hour webinars on demand)

- Aggregate Sieve Analysis Procedures
- Besser Auto Feed & Air Compaction
- Adjustments
- Besser V3-12 Machine Changeover
- Concrete Masonry Mix Design Procedures
- Fundamentals of Concrete
- Micro Pallet Timing of a Besser V3-12
- Mold Components & Mold Rebuilding

**Space Available in All Scheduled Workshops & Courses**

For more information call: Barb Szczesniak 989-358-7238 or Don MacMaster 989-358-7344

www.wcct.net

**CERTIFICATE IN CONCRETE STUDIES**
(Online)
Emphasis on Masonry and Ready-Mix

### Ready Mix

- Concrete Fundamentals
- Concrete Materials and Properties
- Mixing and Placing of Concrete
- Curing and Protection of Concrete

- Concrete Field Testing
  Grade I Certification
- Making and Curing Concrete Test Specimens in the Field
- Sampling and Testing
  Freshly Mixed Concrete
- Testing for Air Content in Concrete by the Volumetric Method
- Testing for Air Content of Freshly Mixed Concrete by the Pressure Method
- Testing the Density, Yield, and Air Content of Concrete
- Testing for Slump Hydraulic-Cement Concrete

- Concrete Sustainability Basics
- Concrete Sustainability: Incorporation Environmental, Social and Economic Aspects

- Self-Consolidating Concrete
- Volumetric Mixers

### Core Courses

- Cementitious Materials
- Aggregates
- Admixtures
- Mix Proportioning
- Fundamentals of Concrete
- Safety
- Concrete Sustainability/LEED
- Nomenclature

### Masonry

- CM Tech
- PLCs
- Hydraulics
- Electronics
- Plant Safety
- Mechanical Adjustments
- Machine Changeover
- Pallet Timing
- Lubrication
- Molds/Mold Installation
- Preventive Maintenance
- Concrete Masonry Curing