



# ATC-20 Post Earthquake Safety Evaluation of Buildings

February 13, 2009  
Memphis, Tennessee



Presented by

**Central United States  
Earthquake Consortium  
&  
Center for Earthquake  
Research and Information**

Instructed by  
**Chris L. Mullen, Ph.D., P. E.**

## About This Course

When earthquake disaster strikes a community, there is an immediate need for damage inspections throughout the affected areas. People need to be kept from using unsafe buildings, and safe shelter must be provided for those left homeless. It is essential that qualified building inspectors quickly identify structures that are safe for re-entry and those that must be avoided. Regular building inspection officials may become overloaded instantly and require additional help.

Under such emergency conditions, qualified volunteer inspectors, including architects, engineers, and building inspectors are needed from unaffected regions and certain other qualified design and construction professionals can provide help with the post earthquake safety evaluations. These volunteers will typically be activated through a pre-existing agreement with state and local emergency management officials.

Attendees of this course will receive inspector qualification training, experience to become a team member for inspecting earthquake damaged buildings, and a field manual to guide their future work. A panel of experts has approved all training materials used in this course. During the course, procedures and documents are presented which promote uniformity in the rating of building damages so that different individuals examining the same building will arrive at the same conclusion about its relative safety.

---

---

## Who Should Attend

Individuals with at least 5 years of experience in general building design, construction, or inspection that are willing to volunteer as state building inspectors after a disaster.

---

---

*This program is part of the 2009 West Tennessee Earthquake Awareness Week, February 8-14.*

## Sponsored by:



THE UNIVERSITY OF  
**MEMPHIS**  
Center for Earthquake Research  
and Information



**MLGW**

## Course Outline

---

---

This course will be instructed in a classroom style setting, although student interaction is welcomed and encouraged. Some of the topics that will be covered in the course are -

Earthquake 101 Review  
Structural Basics  
Steel Frame Structures  
Concrete Structures  
Wood Frame Structures  
Masonry Structures  
Non-Structural Hazards  
Rapid Visual Screening  
ATC20: Post-Earthquake Safety  
Evaluation of Structures  
Hazardous Materials & Field Safety  
Discussion / Questions

---

---

Certificates of completion will be offered at the end of the course. Professional Development Hours should be coordinated through your professional organization.

### REGISTRATION FEES

There is no charge for this workshop. Materials are provided and include ATC-20-1 Field Manual: Post Earthquake Safety Evaluation of Buildings.

## Registration Information

Please pre-register for this course. Participant space is limited, and openings are on a first come, first serve basis. ***Please complete registration by February 10, 2009.***

ONLINE: <http://register.cusec.org>

FAX: (901) 544-0544

MAIL:  
CUSEC  
ATC-20  
2630 E. Holmes Rd.  
Memphis, TN 38118

E-MAIL: [bblake@cusec.org](mailto:bblake@cusec.org)

### COURSE LOCATION

MLGW Joyce M. Blackmon Training Center  
4949 Raleigh-LaGrange Road  
Memphis, Tennessee

### COURSE INFORMATION

Course will begin at 8:30 a.m. and end at 4:00 p.m. Onsite lunch will be provided.

### SUGGESTED LOCAL HOTELS

Near Poplar Avenue and I-240:  
Embassy Suites, (901) 684-1777  
Hampton Inn and Suites, (901) 762-0056  
Holiday Inn Select, (901) 682-7881  
Hilton Memphis, (901) 684-6664  
Park Place Hotel, (901) 767-6300

## Registration Form

Type or write your information into the form below

Name

Title

Organization

Address

City, State  
Zip

Phone

Email

---

---

### FOR MORE INFORMATION

Brian Blake  
Program Coordinator  
Central US Earthquake Consortium  
Phone: (901) 544-3570  
Fax: (901) 544-0544  
Email: [bblake@cusec.org](mailto:bblake@cusec.org)

or

Gary Patterson  
Information Services Director  
Center for Earthquake  
Research and Information  
The University of Memphis  
Phone: (901) 678-5264  
Fax: (901) 678-4734  
Email: [glptrsn@memphis.edu](mailto:glptrsn@memphis.edu)

---

---