Agenda

All HAZUS Conference Events will occur at the Omni San Diego Hotel. The hotel is easily reached from the Convention Center by crossing Harbor Street and the Train and Trolley track.

**Tuesday, August 5**

7:00 a.m.-7:00 p.m.  
Registration—Salon Foyer

1:00 p.m.-1:30 p.m.  
Welcome and Opening Remarks  
Mitigation Directorate, FEMA

1:30 p.m.-3:00 p.m.  
HAZUS-MH in 2008 and Beyond: Three Perspectives  
Moderator: Tom Durham, PBS&J  
Phil Schneider, National Institute of Building Sciences (NIBS)  
Kevin Mickey, Polis Center  
Ray Lenaburg, FEMA Region IX

The year 2008 marks an important crossroads in the development and use of HAZUS-MH. New technology – including the Comprehensive Data Management System (CDMS) and web-based portals – has been rolled out in 2008. New approaches to training and outreach are being offered to an expanding audience. And HAZUS-MH is playing a more prominent role in analysis support for federal and state mitigation programs, including RiskMAP. This session will bring together three leaders in the development and use of HAZUS-MH to share their perspectives and vision of the future of HAZUS-MH.

3:00 p.m.-3:15 p.m.  
Break

3:15 p.m.-4:15 p.m.  
Shake Map and HAZUS-MH: Two Innovative Applications  
Moderator: Brian Shumon, FEMA  
Doug Bausch, FEMA Region VIII  
Charles Huyck, ImageCat

ShakeMap data, made available online through USGS, is being used with HAZUS in California, Utah and Washington; along with other states for real-time analysis of building and lifeline damage and casualty estimates. Doug Bausch will present the methodology and outputs from two FEMA demonstration projects in Utah and Washington that use ShakeMaps and HAZUS-MH for earthquake risk assessments and disaster response. Charles Huyck will present the findings of a project to link HAZUS-MH damage functions with ShakeMap for real-time online building damage and casualty estimation.

HAZUS-MH Hurricane Model: New Developments and Applications  
Moderator: Vanessa Glynn-Linaris, FEMA Region III  
Frank Lavelle, Applied Research Associates  
Stacy Robinson, PBS&J

The HAZUS-MH MR3 hurricane model has new features and capabilities that will enhance hurricane risk assessment, mitigation planning, and post-event exposure assessments. As the model continues to mature, new applications are being implemented. This session will highlight the current and planned capabilities of the hurricane model, and unique applications of the model for statewide risk assessment and mitigation planning.
5:00 p.m.  
**Reception**  
Please friends and colleagues for light hors d’oeuvres and cash bar. This will be a great opportunity to socialize and network with conference participants. All registered attendees are invited.

**Wednesday, August 6**

7:00 a.m.-7:00 p.m.  
**Registration-Salon Foyer**

8:30 a.m.-9:45 a.m.  
**Innovative Applications of HAZUS-MH in California**  
Moderator: **Liz Wojdak**, Southern California HUG  
Hope Seligson, MMI Consulting  
Ray Lenaburg, FEMA Region IX  
Kris Higgs, California Office of Emergency Services  
This session will highlight the use of HAZUS-MH for three innovative initiatives underway in California that address the earthquake risk: FEMA’s Essential Facility Risk Assessment Pilot Projects, Use of HAZUS-MH for Hospital Safety Assessments, and local government support from California OES in the use of HAZUS-MH for earthquake risk assessments. These initiatives include the use of the Advanced Engineering Building Module (AEBM) in HAZUS-MH to assess the vulnerability of hospitals and other essential facilities in high risk areas of California.

**HAZUS-MH Comprehensive Data Management System (CDMS) and Web-Portals: The Technology and Implementation Strategies**  
Moderator: **Philip Schneider**, NIBS  
Richard Butgereit, Florida Division of Emergency Management  
Rod Erickson, PBS&J  
Carol Giffin, US Geological Survey  
The rollout of the CDMS provides HAZUS users with a streamlined tool for updating and managing statewide datasets in HAZUS-MH. Two states – Florida and South Carolina – are developing a web-based portal to facilitate access to CDMS and the use of statewide or county data to carry out risk assessments and mitigation planning. This session highlights the technology and use of CDMS and the web portals, including an overview of their application for inventory data development that is being undertaken by the US Geological Survey. Guidance will be given on replication of the web-portal technology in other interested states.

9:45 a.m. – 10:00 a.m.  
**Break**

10:00 a.m. – 11:00 a.m.  
**HAZUS-MH Users Groups: New Directions**  
Moderator: **Jamie Caplan**  
Rick Burgess, Florida HUG  
Liz Wojdak, SoCAL  
Ron Hess, Nevada Division of Mines & Geology  
HAZUS-MH User Groups (HUGs) continue to play a pivotal role in HAZUS-MH outreach, constituency building, and applications of analysis for risk assessments, mitigation and preparedness planning. This session will highlight two active and successful HUGs, and identify keys to their success. This is an important session for HAZUS-MH users who are interested in forming HUGs, or in taking steps to strengthen existing user groups.
In recent years, HAZUS-MH has become a valuable tool for scenario development and exercises of all categories. In this session, panelists will highlight the use of HAZUS-MH for planning, training and exercises for catastrophic earthquakes and hurricanes, and for major floods. HAZUS-MH is also being used for the popular course at the Emergency Management Institute (EMI) – Integrated Emergency Management Course, which will be covered during this session.

**11:00 a.m. – 12:15 p.m.**

**Use of HAZUS-MH for Flood Analysis and FEMA’s Risk MAP Strategy**

Moderator: **Vince Brown**, FEMA

David Montague, ABS Consulting

Shanna Michael, Watershed Concepts

Kevin Mickey, Polis Center (IN)

The improvements in the HAZUS-MH MR3 Flood Model coincide with new flood hazard reduction strategies that are being integrated into State and local mitigation plans under FEMA’s Risk Mapping, Assessment and Planning (MAP) initiative. Panelists in this session will focus on new developments in the Flood Model, and how they have been used in state and regional flood hazard mitigation planning.

**The Use of HAZUS for Managing Hurricane Disaster Operations**

Moderator: **Joe Rachel**, FEMA Region IV

Frank Lavelle, Applied Research Associates (ARA)

Tom Durham, PBS&J

Richard Butgereit, Florida Division of Emergency Management

HAZUS-MH has become an important tool in hurricane risk assessment and response operations, at the federal and state level. This session will address three interrelated dimensions of effective hurricane response using HAZUS-MH: 1) understanding the model and associated uncertainties; 2) preparation and use of HAZUS-MH outputs or “templates” for assessment and response; and 3) integration of HAZUS-MH into a suite of tools to be used for geospatial preparedness and response.

12:15 p.m. – 1:30 p.m.  
**Lunch Break**

1:30 p.m. – 3:00 p.m.  
**International Applications of HAZUS**

Moderator: **Doug Bausch**, FEMA Region VIII

Global interest in HAZUS-MH continues to grow. This roundtable session will provide a forum for discussion on the adaptation of the HAZUS-MH technology to national initiatives from beyond the U.S. This is an opportunity for networking on the international level, and for colleagues in the hazards community to interact with the HAZUS model developers and practitioners from the U.S.

3:00 p.m. – 5:00 p.m.

**HAZUS-MH 101: A Workshop**

Workshop presenter: **Kevin Mickey**, Polis Center

This workshop will explore the capabilities that HAZUS-MH provides for estimating losses that might result from floods, earthquakes, or hurricane winds. Numerous demonstrations of HAZUS-MH tools and output will be offered during the session. All demonstrations will be conducted using actual data from locations around the United States. This workshop is designed for a non-technical audience and will be of particular interest to those individuals who are interested in learning about how HAZUS-MH can be used to support planning and mitigation activities. It is assumed that participants in this workshop will have had little or no exposure to HAZUS-MH prior to attending.
7:00 a.m.-Noon  
Registration—Salon Foyer

8:30 a.m.-9:30 a.m.  
**Using HAZUS-MH to Create Map-Based Templates for Emergency Management Planning and Response**  
Moderator: Tom Durham, PBS&J

Tom Gates, Calvin-Giordano  
Doug Bausch, FEMA Region VIII

As HAZUS-MH is increasingly being used to support emergency management planning and disaster operations, greater emphasis is being placed on pre-disaster preparation of standardized, map-based HAZUS templates and standard operating procedures. This session will highlight the development and application of HAZUS templates for earthquakes and hurricanes. Emphasis will be given to a step-by-step process that can be followed by HAZUS-MH users to generate map-based templates.

**Adapting HAZUS-MH to Other Hazards**  
Moderator: Rod Erickson, PBS&J

Bill Bohn, Tetra Tech  
Kevin Mickey, Polis Center

Increasingly, HAZUS-MH is being used to assess exposure and risk to other hazards, including wildfire, tsunami and tornadoes. Presenters in this session will discuss the approach and methodologies that are used; use of the analyses; and lessons learned for future studies of non-traditional use of HAZUS-MH.

9:30 a.m.-10:30 a.m.  
**Technical Roundtable with Model Developers**  
Moderator: Philip Schneider, NIBS

This session is an opportunity for HAZUS-MH users to pose questions to the model developers, and provide valuable input on user experience with each of the models.

10:30 a.m. – 10:45 a.m.  
**ESRI Welcome**  
Dr. Jack Dangermond  
President, ESRI

10:45 a.m. – 11:45 a.m.  
**Awards Presentations and Closing Ceremonies**  
Eric Berman  
FEMA Headquarters

11:30 a.m. – 1:00 p.m.  
**Luncheon**  
Please join us for a casual luncheon made possible by our generous sponsors

1:00 p.m.-3:00 p.m.  
**Workshop on Using HAZUS-MH for Risk Assessment**  
Workshop Presenter: Kevin Mickey, The Polis Center

This workshop will provide participants with an understanding of how they can use the HAZUS-MH risk assessment methodology and tools to assist them in their efforts to conduct the community risk assessments that are necessary to be compliant with the ongoing requirements of the Disaster Mitigation Act of 2000 which, among other things, sets conditions which must be met for communities to be eligible to receive certain disaster relief dollars. The workshop focuses on the process of applying the wealth of information that HAZUS-MH includes and that it can produce to the risk assessment process. This includes hazard identification, profiling of hazards, developing asset inventories, estimating losses, and prioritizing mitigation options. Anyone who is involved in developing or participating in the development of a community risk assessment would benefit from this workshop.