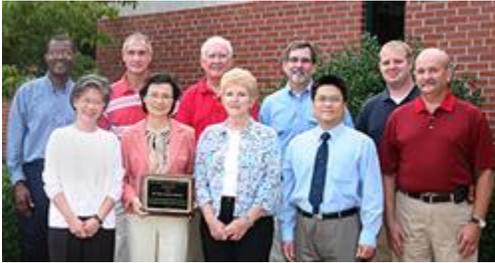


## **ORNL is ready with ORNLReady**



**ORNLReady team members, from left to right: Dave Milan, Patricia Hu, Jimmy Stone, Ho-Ling Hwang, Ron Smith, Sherri Cotter, Rick Goeltz, Jan-Mou Li, Daniel Wilson, Jim Johnson. Not pictured: Shih-Miao Chin.**

ORNLReady, a Web-based, data-driven interactive computer tool, won a DOE-sponsored award for being the most useful and transferable emergency management training product in 2010.

But in an actual emergency, ORNLReady could be a lifesaver.

ORNLReady was developed jointly by the Energy & Engineering Sciences and Facilities & Operations directorates. It combines state-of-the-art information integration and an intuitive interface that helps the Laboratory shift superintendent, the Emergency Operations Center and other ORNL operations be just that:

ready during any type of event that could endanger Oak Ridge Complex facilities, employees or the inhabitants of five surrounding counties.

"It is a tool that will help prevent emergencies, assist in the rapid mitigation of those that do occur, and assist in the early implementation of personnel protective actions," says Ron Smith, director of the Laboratory Protection Division.

ORNLReady uses real-time and stored data to visualize a virtual world. It includes detailed maps of all ORNL and nearby facilities, employee populations, locations of hazardous material, weather tracking and more—everything needed to help crisis managers visualize and quantify potential consequences of events and make informed, safety-based decisions. The real beauty is that it's all integrated into a single portal.

Project Manager Patricia Hu of the EES directorate's Energy and Transportation Science Division, said this vision for ORNLReady started when F&O Deputy Director Jimmy Stone saw a similar product that her team had developed for the Department of Homeland Security. "He wanted a similar tool for ORNL's emergency management," Patricia says. "The EES Directorate's involvement also tied in with F&O Director Herb Debban's vision to leverage the research capabilities at the Lab to keep F&O systems cost efficient and state of the art."

LSS Manager Jim Johnson also played a key role in the development of ORNLReady by developing the functionality and "look and feel" of the system, Patricia says.

The award-winning training aspects of ORNLReady can be as varied as the imaginations of those who develop emergency management training scenarios.

At DOE's 2010 Emergency Management Issues Special Interest Group annual conference, ORNLReady received the TRADEing Post award as the most useful training product currently available and transferable to other DOE facilities. *-by Ed Bodey*