Emergency Management System
Case 14MST027

In an emergency, time matters. The time it takes for emergency responders to reach a person in need can mean the difference between life and death. Too many lives have been lost because responders could not obtain the necessary information to help in time. Now there is a new emergency management system that consists of secured server emergency management features such as location, messaging, user group identification, information obtaining, historical data analysis, and smart phone application which will enable users to request assistance from emergency responders while providing information to the responders that allows them to assess the situation, pinpoint the individual’s location, and determine the best method of assistance. Two versions of the smart phone application are available. The first version is used by the public to notify emergency services of their status and location. Users may also select up to five contacts who will be notified of the individual’s status and location via text message. The second version of the application is available for government emergency responders (police officers, firefighters, and other trained professionals) and registered volunteers (doctors, nurses, and paramedics who wish to provide emergency assistance). Volunteers will be notified when a person near them needs assistance so that they can respond. Locations are provided on a real time map through a global positioning system (GPS).

Benefits of Technology
- Agencies can communicate with a large number of people at or near locations of emergency situations
- Users can provide detailed information about the nature of the emergency situation
- Trained responders can answer requests for help at any time
- Responders can find the most direct path to the person requesting help
- Users can see the location of responders
- Selected contacts can immediately be notified of user’s status and location in an emergency situation
- Authorized personnel will be able to efficiently manage large groups of people using server tools

Potential Commercial Applications
The emergency management system can be a solution for higher education entities, commercial entities, and government entities. The system can be tailored to meet the specific needs of an individual city or county. The emergency management system can also be a consumer solution as well as a personal solution.

IP Status
 Patent Pending
No. 61/988,356
Systems and methods for emergency situation communications

Development Status
Prototype has been tested and is ready for demonstration

CONTACT:
Vera Anderson, Licensing Specialist
Suite 145 | 900 Innovation Dr. | Rolla, MO 65409
Phone: 573-341-7263 | Fax: 573-341-6579 | Email: vera@mst.edu
View all S&T technologies at tech.missouri.edu