

# Mobile Emergency

Mobile Emergency of the DISIT Lab is a mobile application and solution to manage communication exchange during maxi emergencies in hospital and large areas. The addressed emergencies can be related to internal events (such as fire, broken pipes, etc.), as well as external events (for example the sudden arrival in the hospital of hundreds of new patients due to a terrorist attack, a natural disaster, etc.).

Mobile Emergency can cut down the times of intervention and improve the coordination and the organization of the medical personnel. The solution is based on a mobile device (for example: iPhone, iPad, iPod):

- to be used by the medical and paramedical staff,
- to communicate the inception of emergencies,
- to communicate with the central emergency services,
- to organize groups of intervention and support,
- to get the closest exits (with and without connection),
- to create collaborations, to obtain help by skilled people,
- to access prescriptions and guidelines regarding procedures, dosages, and thus a decision support system.

Some of these features are made easier by a central server collecting the information and they facilitate people to collaborate also by producing a global view of the emergency conditions in the area.



GROUP	VIEW EMERGENCIES: Active - Cancelled - Passed							
+	INFO	TIPOLOGY	LOCATION	RESPONSIBLE	PUSH NOTIFICATIONS	AGG.	DATA SEGR.	DATA CHIUS.
+	Q	FIRE	REPARTO: ANATOMIA 10A - S' AULA NUOVA	NOT ASSIGNED	SEND NOTIFICATION	1	2011-07-26 17:36:16	2011-07-26 17:38:16
+	Q	FIRE	REPARTO:	NOT ASSIGNED	SEND NOTIFICATION	1	2011-03-16 09:59:57	2011-03-16 10:06:55
+	Q	EARTHQUAKE	REPARTO:	NOT ASSIGNED	SEND NOTIFICATION	1	2010-12-29 17:43:21	2010-12-29 17:43:51

With Mobile Emergency the reaction time of the whole emergency system is strongly reduced, same occurs with the induced and related damages and risks due to the lack of communications among people and agents during the emergencies. The solution is based on technologies of: artificial intelligence, semantic computing, mobile system, grid and social media.

Mobile Emergency integrates the Mobile Medicine solution produced by the same group (<http://mobmed.axmedis.org>) with the aspects related to the possibility of producing and accessing a huge amount of information from the mobile device as a decision support system, even in conditions of lack of communication. The Mobile Emergency application is accessible on the Apple Store: <http://itunes.apple.com/us/app/mobile-emergency/id409326454?mt=8>



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