

Telecommunications for disaster: warning and management

The recent events show the importance of the management of the disasters in our modern society. Geomatics technologies are able to support management and recovery in the aftermath of manmade and natural disasters. However, disaster management also poses big challenges in all the aspects of the geo-information cycle, from data acquisition, processing, management and delivery. But the risk is a polysemous object which requires a trans-disciplinary approach. The specialists in charge of handling the risk need to profit from the various projections science, of the techniques and technologies, resulting from various fields. Among these fields, that of telecommunications represents a particular interest because it covers a broad spectrum of the needs for these men, from the propagation until the image or signal processing.

Given the importance and the enabling character of telecommunications technology for the disaster management, *Annals of telecommunications* journal is organizing a special issue on these topics, from the perspective of engineering science. This special issue on telecommunications for disaster management is twofold. First, review of the state of the art of the telecommunications technology usable in disaster management and its main applications. Second, recent developments and novel and advanced concepts under consideration worldwide with special attention on precursor based on telecommunications sciences.

The topics of interest include, but are not limited to:

- State of the art of telecommunications solutions available for disaster management;
- Propagation and communication;
- New architectures for communication applied at disaster management;
- Geosciences applied for disaster management;
- Remote sensing capabilities for disaster management;
- Earthquake Precursor (VLF/ULF perturbations, DEMETER, ...);
- ...

Guest Editors

- **Prof. Tullio Joseph Tanzi**, Télécom ParisTech–LTCI/CNRS, Paris, France
- **Prof. François Lefeuvre**, LPC2E/CNRS, URSI, Orléans, France
- **Prof. Madhu Chandra**, Technische Universität Chemnitz, Germany

Papers must be written in English and describe original research not published or currently under review by other journals or conferences. Submissions should be sent according to the editorial procedure described in the instructions available at: http://www.annals-of-telecommunications.com/p_en_publish_6.html

Proposed schedule

- ▶ **Manuscript submission:** September 15th, 2012
- ▶ **Expected publication:** 2nd semester 2013