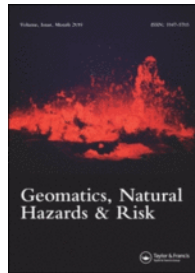


## *Geomatics, Natural Hazards and Risk*



Special Issue on

### **Passive satellite techniques and ground-based investigations for volcanic activity monitoring**

Guest Editors:

Nicola Pergola, Alfred. J. Prata, Valerio Tramutoli , Jacques Zlotnicki , Vincenzo Lapenna , Ciro Del Negro

**Deadline extended to September 30, 2010!**

*Geomatics, Natural Hazards and Risk* invites authors to submit papers for the Special Issue on “*Passive satellite techniques and ground-based investigations for volcanic activity monitoring*”. This special issue will include papers presented at the NH2.2 session on “Volcanic Hazard organised within the Natural Hazard Program” at the European Geoscience Union (EGU), General Assembly 2010. Authors interested in submitting their papers on related topics are also welcome.

#### **Topics**

The aim of the special issue is to solicit and publish papers that provide a clear view of the state of the art and recent advances in volcanic activity investigation from passive satellite methods and ground-based techniques. Papers dealing with new satellite observations and investigations for pre-, co- and post-crisis phases are solicited, together with innovative ideas for ground and satellite products validation. Recent ground-based integrated electromagnetic (EM) techniques and advanced geophysical methods proposed for understanding and monitoring dynamics of active volcanoes are also encouraged.

We welcome contributions in the following areas:

- Passive satellite techniques for volcanic activity investigation;
- Advanced approaches and algorithms to investigate volcanic processes and phenomena;
- Ground-based EM methods devoted to understand and study volcanic phenomena;
- Advanced Data analysis strategies and methods;
- Satellite applications and products for volcanic activity monitoring and early warning;
- Modelling and simulation methods for volcanic systems investigation.