

### **1. The title of the Workshop**

Geomatics Approaches for environmental surveying and modelling

### **2. The name, affiliation, mailing address and e-mail address(es) of the proposer(s)**

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### **3. A description of the topic of the Session (not exceeding 100 words)**

This Symposium is dedicated to the geomatics approaches used for surveying, monitoring and modeling the territory, both with classical techniques and innovative technologies. Geomatics approaches involve the use of the latest generation of laser scanners, UAVs (Unmanned Aerial Vehicles) or UGV (Unmanned Ground Vehicle) and satellite technologies. Particular attention will be given to the use of free and open source information technologies (GIS software, DBMS, photogrammetry, etc.) for the management of data acquired in the field. This session will allow attendees to review and share knowledge and experience about environmental monitoring and modelling, reinforcing the cooperation between applied mathematics, engineering, environmental science and remote sensing.