



Teledetección Próxima Terrestre para Aplicaciones Forestales

Lugo - 1, 2 y 3 de septiembre de 2021

Workshop about Terrestrial Proximal Sensing for Forest Applications

Lugo 1, 2 and 3 September 2021

The use of information captured by remote sensors has been established as one of the reference techniques for the characterization and monitoring of the state of forests at multiple scales. The strong evolution suffered by these technologies during the last years has meant an increase in the spatial and temporal resolution, allowing its use in applications with an increasing level of detail and at a lower cost. An example of this are the terrestrial proximal sensing techniques, where the capture of sensor information is done from the ground and at reduced distances in relation to the size of the objects to be characterized. At present, remote sensing techniques (airborne and satellite) enjoy a high degree of development that allows their operational use in many forest applications. However, terrestrial techniques are in a more incipient state of development, which limits in some cases their operational use and emphasizes the interest and scientific relevance of the results and experiences with these techniques for forest use.

The *Workshop on Terrestrial Proximal Sensing for Forest Applications* aims to expose the main scientific-technical advances of these technologies for forest applications. Within the scope of this workshop are the techniques based on terrestrial laser scanner (TLS) and simultaneous location and mapping (SLAM), as well as optical, thermal and other devices in which data capture is performed at ground level.

INFORMATION ABOUT THE WORKSHOP

The workshop will take place at the “Escuela Politécnica Superior de Ingeniería (EPSE)” of the Universidade de Santiago de Compostela (Lugo, Spain) from 1st to 3rd September 2021, and will consist of scientific-technical sessions in which participants will present their contributions through oral presentations or posters. These sessions will be held in the morning with a hybrid face-to-face and telematic format. In the afternoon there will be practical sessions of field data collection and its processing and analysis with different technologies (ForEstereo, TLS, LiDAR SLAM and Terrestrial Proximal Photogrammetry). These sessions will preferably be face-to-face and limited to a number of participants that will depend on the capacity limitations determined by the Health Authorities. The workshop will also involve the main manufacturers of devices of proximal sensing technologies with potential for use in forest applications through presentations and practical workshops.

As a contingency plan for possible situations that limit the presence arising from the COVID-19 pandemic, if necessary, the possibility of all activities being carried out electronically is contemplated.



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SUBMISSION OF COMMUNICATIONS

The proposal for communications will be made by sending an abstract to the workshop.teledeteccion.proxima@usc.es email address for review by the Scientific Committee. Interested participants will use the template established for this purpose, which can be obtained upon request at the same email address for sending proposals. The expected dates for the receipt and evaluation of communications are as follows:

1. 30 June 2021 – Deadline for submission of contributions.
2. 7 July 2021 – Deadline for communication of acceptance of contributions.

The communications may be in oral presentation or poster format, and will be included in a book of abstracts that will be available to participants after the workshop celebration. The communications accepted for oral presentation must include a graphic summary that will be compiled, together with the posters, in the book of abstracts.

REGISTRATIONS FOR ATTENDEES

The registration to the workshop will be free and mandatory for all participants, regardless of whether they will attend in person or online, or whether they will participate with a communication or as attendees. Due to the limitations for the presence derived from the COVID-19 established by the Health Authorities, and to the possible changes on the same that could occur on the dates of the realization of the event, the reservation of place for the attendance to the face-to-face parts of the workshop will be made in the same order of registration. Registration for the face-to-face activities of the speakers of oral communications and posters will be guaranteed.

The registration process will open on July 7, 2021 and will consist of sending an email to the email workshop.teledeteccion.proxima@usc.es expressing interest in participation (both face-to-face and telematic), and the fulfillment of a form that will be sent to those interested. Those interested will receive an email with the confirmation of place.

In the case of having to reduce capacity due to situations of a health nature, and whenever this reduction means limiting access to face-to-face activities to any of the attendees who have already been notified of the confirmation of a place, the order of priority to be followed will be as follows: 1) communication speakers (oral presentations and posters) , 2) non-speakers who have incurred non-refundable expenses derived from the attendance at the workshop, 3) doctoral students, 4) students and graduates of forestry and natural environment degrees, geomatics, agronomy, biology and other degrees related to the theme of the Workshop, 5) other interested participants.