

Postdoctoral position in OPTICAL FIBERS SENSORS FOR LANDSLIDES MONITORING

The Department of Information Engineering (<http://www.dei.unipd.it>) of the University of Padova, Italy, invites application for 1 postdoctoral fellowship of 12 month duration, in the field of optical fiber sensors for rock landslides monitoring. The research activity will be held within the Photonics and Electromagnetic Group (PEG, <http://peg.dei.unipd.it>), under the direction of Prof. Andrea Galtarossa.

PEG is a research group active in the fields of linear and non-linear polarization effects in optical fibers, distributed polarization reflectometry and sensing, fiber optic sensors, polarization mode dispersion, slow-light and optical chaotic transmission. In particular, PEG cooperates with CNR-IRPI (Hydrogeological Protection Research Institute of National Research Council) within the project SMILAND, funded by the Fondazione Cassa di Risparmio di Padova e Rovigo. This project aims at developing an integrated rock landslide monitoring system based on novel optical fiber sensors. The postdoctoral position is offered within the framework of the SMILAND project and to candidates with a solid background in fiber sensing and good experimental skills.

Eligibility and conditions.

In terms of eligibility a candidate must comply with the following requirements:

1. Be in possession of a Ph.D. degree at the time of the application.
2. Have a documented activity in optical fiber sensors, with emphasis on experimental activity.

Application procedure.

Applications should be sent by e-mail to Prof. Andrea Galtarossa (andrea.galtarossa@dei.unipd.it), and must include the following documentation:

1. an updated complete Curriculum Vitae (including full address, a contact phone number and e-mail address);
2. full list of publications;
3. a copy of the Ph.D. degree (if available at the time of application, or certificate stating the planned award date of the Ph.D. degree).

Once an application has been submitted, the candidate will receive an acknowledgment of receipt. Applicants that pass the first evaluation stage will be informed about this decision and asked to get in touch in order to complete application and to discuss on the gross amount of the salary.