GPR and Electromagnetics for Sensing Soil, Objects and Structures: Forward Modelling, Inversion Problems and Practical Aspects.

January 29th- February 1st 2020
Venue: Open Space Room
Address: Palazzo Carafa, via dei Fedele 1 (close to "Piazza Sant'Oronzo") , Lecce, Italy

Organization

- *Associazione Italiana del Georadar*
- *Institute of Sciences for the Cultural Heritage ISPC-CNR*
- *Northumbria University*
- *Université catholique de Louvain*
- *Institute for the Remote Sensing of the Environment IREA-CNR*
- *Sapienza University*
- *American University of Rome*
- *IDSGeoradar*
- *Geostudi Astier*

This event is sponsored by the European Microwave Association (EuMA)

Teachers

- Pier Matteo Barone (American School of Rome)
- Ilaria Catapano (IREA-CNR)
- Fabio Giannino (IDSgeoradar)
- Guido Manacorda (IDSgeoradar)
- Gianfranco Morelli (Geostudi Astier)
- Sébastien Lambot (Université catholique de Louvain)
- Giovanni Leucci (ISPC-CNR)
- Lara Pajewski (Sapienza University)
- Francesco Soldovieri (IREA-CNR)
- Craig Warren (Northumbria University)

Introduction by Raffaele Persico (ISPC-CNR)

Program

January 29 2020,Wednesday

Morning

Speaker	Time	Title
Raffaele Persico	08:45-09:00	Presentation of the Italian Association of the GPR
Francesco Soldovieri	09:00-10:30	Inversion in GPR and electromagnetic problems
Lara Pajewski	10:30-12:30	GPR prospecting in civil engineering according to COST Action TU1208 guidelines
Gianfranco Morelli	12:30-14:00	Massive array systems for investigation on concrete

Afternoon

Speaker	Time	Title
Ilaria Catapano	15:30-17:00	THz devices for sensing of works of art
Craig Warren	17:00-18:30	An Introduction GPR modelling using gprMax

January 30 2020,Thursday

Morning

Speaker	Time	Title
Craig Warren	09:00-11:00	From simple to complex simulations - a series of step-by-step example GPR models
Sébastien Lambot	11:00-13:00	Full-wave modelling of radar data and inversion for reconstructing layered media

Afternoon

Speaker	Time	Tiitle
Davide Pasculli	15:00-16:30	What really matter in effective GPR design: real performance and compliance to regulations
Fabio Gianino	16:30-18:00	Massive array systems for fast mapping of subservices

January 31 2020, Friday

Morning

Trainers	Time	Title
Fabio Giannino, Gianfranco Morelli, Giovanni Leucci, Raffaele Persico	09:00-13:00	Data gathering with GPR and ERT

Afternoon

Speakers	Time	Tiitle
Fabio Giannino, Gianfranco Morelli,	15:00-17:00	Processing of at least part of the gathered data

Giovanni Leucci, Raffaele Persico		

February 1 2020, Saturday

Morning

Speaker	Time	Title
Giovanni Leucci	09:00-11:00	Electromagnetic devices in geophysics
Pier Matteo Barone	11:00-13:00	Positioning Systems

Fees

For the present school, we give the possibility to register for one day, more days or for the entire event with some discount. The price per day is dependent on the number of scheduled hours. The price for two or three days is given by the sum of the prices scheduled for each day. A discount for students is applied too. The fees include the VAT, that in Italy is 22%.

Table of costs

Time	Fee
January 29	80 euros+VAT=97,6 euros
January 30	70 euros+VAT=85,4 euros
January 31	60 euros+VAT=73,2 euros
February 1	40 euros+VAT=48,8 euros
Entire course	200 euros+VAT=244 euros
Entire course for University students	100 euros+VAT=122 euros

The payment can be done by means of a bank transfer to the Italian Association of the GPR (Associazione Italiana del Georadar). For information about the bank coordinates and for any information in general you can contact the Association at info@gpritalia.it or you can phone to dr. Raffaele Persico at +393485480778.

Some of the lessons will be recorded and the video will be put at disposal of the firms of the Association. So, please be aware that any registration to the event implies the ACCEPTATION of this condition.

We are in contact with some Professional Orders in order to ask for the acknowledgment of official formation credits. Updating in this sense will be provided when available.