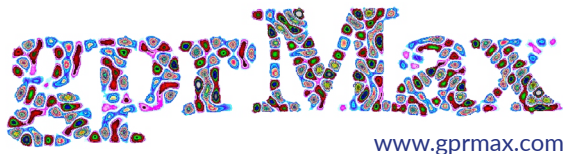# Training School on Numerical modelling of Ground Penetrating Radar using gprMax

Aristotle University of Thessaloniki
Thessaloniki, Greece, 9 - 11 November, 2015

A 3-Day Training School on Ground Penetrating Radar (GPR) modelling using the new version of gprMax, a free Finite-Difference Time-Domain electromagnetic wave simulator.

www.gprmax.com

Over a year ago, work started on an improved new version of gprMax redeveloping it to enhance its capabilities. The new version is based on Python and it uses a number of modern technologies incorporating advanced new features to make the realistic modelling of GPR a lot easier.

During the School the new version of gprMax will be released for the first time under an Open Source license and will be presented to the GPR research community.

Schedule
Day 1: An introduction to the GPR method and its applications, aimed primarily for attendees with limited experience on GPR.

Day 2: Introduction and overview of the GPR's forward problem and to the Finite-Difference Time-Domain method of solving problems in computational electromagnetics.

Day 3: GPR modelling using the new version of gprMax.

Instructors
Drs Antonis Giannopoulos and Craig Warren from The University of Edinburgh, School of Engineering, Edinburgh, UK.

Location
The Training School is hosted and organised by the Department of Geophysics, in the School of Geology, at the Aristotle University of Thessaloniki.

The Training School is co-organised by the EU COST Action www.cost.eu TU1208 "Civil Engineering Applications of Ground Penetrating Radar". www.gpradar.eu

Financial Support
There are no fees associated to attend the School but you must register in advance by emailing the School's organisers at: school@gprmax.com

The EU COST Action TU1208 offers some financial support for PhD students and Early Career Investigators[1] in the form of a small number of fixed value grants[2] of 560 EUR (280 EUR for participants from Greece). In order to apply for a grant you should email your CV, a personal statement about your motivation for attending the School and a letter of support from your PhD supervisor or Research Project leader to the organisers at: school@gprmax.com

Important Information
Deadline for grant Applications is Friday the 23rd of October 2015.

Deadline for registration via email is Tuesday the 3rd of November 2015.

training.gprmax.com

[1]Early Career Investigators: young researchers who received their PhD since no more than 8 years.
[2]grants can only be given to Trainees from COST Countries and from approved Institutions in Near-Neighbour Countries.

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