



COST Action TU1208 "Civil Engineering Applications of Ground Penetrating Radar:" Follow-up initiatives



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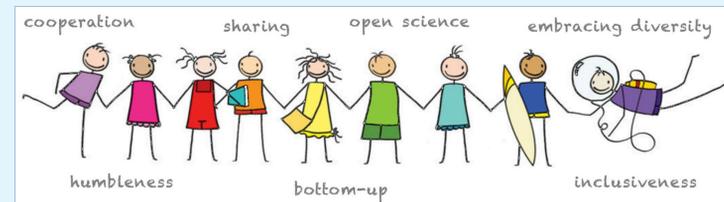
TU1208 GPR Association

Ground Penetrating Radar

Events

TU1208 GPR Association was founded in September 2017 and is open to scientists and professionals from all Countries (not only to the Members of the recently ended COST Action TU1208). The association inherited the same primary objective of the Action: exchange and increase scientific-technical knowledge and experience of GPR techniques, whilst promoting a wider and effective use of this safe and non-destructive method. We currently are 29 Members from 19 institutes in 10 EU Countries (10 Universities, 5 Research Centres, a Public Agency, a High School, and 2 private companies).

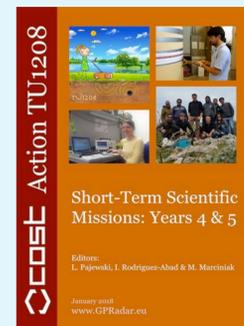
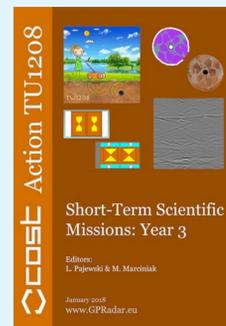
The research activities carried out in the framework of TU1208 GPR Association cover all areas of GPR technology, methodology, and applications. The association organizes scientific events, schools, seminars, etc. (right column). Moreover, the association has been registered as a publishing house, so we can publish proceedings of events, educational material, books, and multimedia content useful to spread out our results; and, we have founded a journal (central column).



Examples of published volumes:

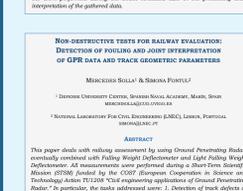
The catalogue on the left includes information on several test sites and laboratories where GPR equipment, methodology and procedures can be tested; it encompasses recommendations for the design of new GPR test sites, too. *TU1208 GPR Ass.: Rome, IT, 2017; ISBN 9788888173009; DOI:10.978.8888173/009.*

The other two books are collections of COST STSM reports prepared by visiting scientists in cooperation with host scientists. *TU1208 GPR Ass.: Rome, IT, 2018; ISBN 9788888173023; DOI: 10.978.8888173/023 & ISBN 9788888173085; DOI: 10.978.8888173/085.*



Founded in September 2017, *Ground Penetrating Radar* is the first peer-reviewed scientific journal dedicated to GPR. It's an open-access open-science journal, published quarterly. Issue 1 was published in Jan. 2018. Papers are currently published free of charge. We publish regular research papers, review papers, tutorials, software and data papers, communications and comments. We also accept manuscripts presenting outcomes of training, dissemination and outreach activities, as well as papers aiming at communicating to a broader audience with regard to research projects financed with international/EU/national funds.

We foster openness, reproducibility and re-use of research. We encourage scientists to publish theoretical, computational and experimental methods and results in as much detail as possible, so that Readers can thoroughly understand and further develop the methods and/or easily reproduce the results. For this reason, there is no restriction on the paper length and supplementary material is most welcome (e.g., data, software, and any other useful electronic file).



We are continuing with the organization of events, thus exploiting the experience gained during the Action.

One of them is the EGU GA session dedicated to COST Actions, within which this abstract is presented.



A Training School on "Ground Penetrating Radar for civil engineering and cultural heritage management" will be held on 14-18 May 2018 in Rome, Italy (organized by Sapienza University, University College of London, TU1208 GPR Association and Associazione Italiana del Georadar).



A meeting dedicated to TU1208 will be hosted by the 17th Intl. Conference on GPR, in Rapperswil, CH, June 2018. A keynote talk will be devoted to presenting the results of our COST Action.

A dissemination event will be organized in Novi Sad, RS, to present the guidelines for the use of GPR in civil engineering, developed by the Action.



The Action Chair and a team of TU1208 Members will organize in Rome the 10th International Workshop on Advanced Ground Penetrating Radar (IWAGPR 2019).

The scope of Ground Penetrating Radar spans all of the latest and emerging research in the GPR field. Thus, the journal topics cover: The development of novel instrumentation; The applications of GPR in earth and planetary sciences, environmental and civil engineering, archaeology and cultural heritage, forensics and security, and in any other areas; The advancement and use of electromagnetic modelling, imaging, inversion, and processing methods for GPR; The integration of GPR with complementary non-destructive testing techniques.