



# Paper Call for a special issue on Civil and Environmental Engineering Applications of Ground Penetrating Radar

Ground-penetrating radar (GPR) has been increasingly used over the last few years in a wide range of applications, due to its flexibility and high potential for providing characterization and imaging of structures and materials. Overall, there are several reasons why demand is increasing for both this tool and non-destructive testing techniques (NDTs) in general. It is worth citing technological advances in both hardware and software elements, an intrinsic lower significance of measurements provided by traditional monitoring techniques, concern about the invasiveness of measuring processes and the impact on the environment and, last but not least, the impact of the Global Economic Crisis on the use of economic resources affecting countries worldwide for years ahead.

Our intent is to collect in an NSG special issue works on the most recent GPR instruments and techniques used in the dual field of civil and environmental engineering applications, even where combined with other NDTs. We will aim to gather the highest possible quality of work in these two main fields of application. Accordingly, we invite the submission of papers dealing with the following topics:

- Physical and performance characterization of construction materials using different GPR in-

struments and techniques

- Innovative interpretation techniques of GPR data in surveying critical infrastructures
- Novel GPR techniques for geotechnical instability prevention and management of water resources
- Environmental, historical and archaeological heritage conservation and management using GPR
- Integrated use of GPR and other NDTs in civil and environmental engineering applications

Only original manuscripts can be submitted according to the 'Guidance for Authors' published on the NSG website [www.nsg.eage.org](http://www.nsg.eage.org). As regards the online submission system of Near Surface Geophysics, authors are invited to refer to the address <http://mc.manuscriptcentral.com/nsg>.

Please mention the name of the special issue in your cover letter.

All manuscripts will be peer-reviewed according to the journals' established policies and procedures. Final papers will be selected for publication depending on both the results of the peer review process and reviews by guest editors as well as by the chief editor.

## The deadline for manuscript submission to the NSG special issue is **November 30<sup>th</sup>, 2014.**

**Publication: 2015**

All inquiries regarding this call for papers should be directed to the guest editors:

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Publication coordinator Kasia Zuk ([kzk@eage.org](mailto:kzk@eage.org)) will be happy to assist you in managing your submission.