Call for Participants:

Study Group for an IEEE Standard on Ground Penetrating Radar (GPR) Technology

In recent years GPR systems have found their way into many applications such as geophysics, archeology, glaciology, civil engineering, humanitarian demining, and a lot more. These numerous applications resulted in different technology approaches and system designs in the past. Therefore, a huge amount of different GPR systems and technologies are being researched and part of those even commercially available. However, since not every available GPR system suites to every application scenario, a careful description and standardization of GPR technology is beneficial regarding future, GPR-based research activities and technology scenarios.

In this frame, several initiatives, such as COST, have been working on a generalized GPR description. Moreover, guidelines on the utilization of GPRs in special applications have been developed by different groups, e.g. GICHD, UNMAS, or have been published as Standard guide such as the ASTM D6432-11. However, in order to form a holistic and reliable technical description, which can be referenced in research and development processes, it is intended to set up a worldwide recognized IEEE standard for GPR technology. This standard shall define the whole technology chain including hardware, software, verification testing etc., and intends to simplify future research and development activities such as project granting, licensing etc. In order to expedite the IEEE standardization process, the Antennas & Propagation Standards Committee (APS/SC) approved the formation of a Study Group on GPR. It is intended to form an international and multi-disciplinary study group consisting of experts from different research fields (i.e. Antennas and Propagation, Microwave Theory and Technique, Remote Sensing and Geoscience, Sensors, Instrumentation and Measurements, etc.), GPR users like geophysicist, archeologists, NGOs performing humanitarian demining etc., as well as industry partners.

Interested persons, who are willing to contribute in this study group, are asked to register under:

ieee-gpr-standard.est.rub.de

For further information please contact the study group chairs:

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