

第 14 回 地下電磁計測ワークショップ

2017 年 10 月 4 日(水)、5 日 (木)

日仏会館 (東京都渋谷区恵比寿 3-9-25) http://www.mfj.gr.jp/agenda/index_ja.php

主催 電子情報通信学会 宇宙・航行エレクトロニクス研究会
URSI-F. IEEE-GRSS Japan Chapter

第 14 回地下電磁計測ワークショップでは、発表論文を募集いたします。今回はフランス大使館、東北大学災害科学国際研究所などが主催する「日仏防災イベント週間」に合わせ、一部を「Workshop on GPR measurements of active faults and tsunami sediments」(活断層と津波堆積物の GPR 計測)として特別セッションを設けます。本セッションにはフランスからの研究者も多数参加することが見込まれています。また地中レーダ(GPR)などを利用した地下計測技術に関する一般講演を広く募ります。

特別セッション 「活断層と津波堆積物の GPR 計測」

一般講演： 対象分野 (ただしこれに限るものではありません)

- (1) 地下情報計測 (地中レーダ、MT、電磁法、地中情報伝送、地震前兆その他)
- (2) 地下情報信号処理 (特徴抽出、クラッタ除去、ポラリメトリ、逆解析)
- (3) 不均質媒質中の電磁界解析 (数値解析法、散乱解析、媒質近傍のアンテナ)
- (4) 地下電磁計測の応用 (埋設物検出、資源探査、遺跡探査、道路・構造物検査)

発表申し込みは電子情報通信学会 宇宙・航行エレクトロニクス研究会 HP からお願いいたします。英語での発表を推奨しますが、これに限るものではありません。

タイトルなど申し込み期限 2017 年 8 月 14 日

<http://www.ieice.org/ken/program/index.php?tgid=IEICE-SANE>

お問い合わせ

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特別セッション

Workshop on GPR measurements of active faults and tsunami sediments

Organizer

Motoyuki Sato(Tohoku Univ), Maksim Bano(IPGS/Strasbourg Univ.)

To estimate the seismic hazard, we need to understand the geometry (dip, length, orientation) and the dynamic (type of displacements and amplitude) of the faults in the area of interest. The paleoseismology and geomorphologic studies can help to document past surface-rupturing earthquakes that occurred on faults. However, due to the low slip rate and the long recurrence time, the fault scarps are, very often, heavily smoothed by erosion process, hiding the precise location of the fault on the surface. On the other hand, identifying relevant trenching sites can be difficult when a fault is buried or its surface expression has been eroded since the last tectonic motion. In such a context, the GPR method (combined with paleoseismology and geomorphologic studies) has been proven to give good and useful results. It can help to characterize faults by identifying offsets of radar reflections and buried fluvial channel deposits. However, this technique is very challenging, because most of the active fault is not very shallow for GPR surveys. In this workshop, we invite specialists in GPR survey and introduce the field survey results for discussion. GPR case studies from Tsunami sediments are also encouraged in order to understand the history of geological structure after earthquake and tsunami

14th Workshop on Subsurface Electromagnetic Measurements

4,5th October, 2017

Maison Franco-Japonaise (3-9-25, Ebisu, Shibuya-ku, Tokyo, 150-0013 Japan)

http://www.mfj.gr.jp/agenda/index_ja.php

Sponsored by

IEICE Technical committee on Space, Aeronautics and Navigational Electronics (SANE)

Technical co-sponsorship

URSI-F, IEEE-GRSS Japan Chapter

We coordinately invite papers to be presented at 14th Workshop on Subsurface Electromagnetic Measurements. This is a biannual conference, focused on subsurface electromagnetic measurements and its applications. GPR is one of the important topics, but not limited to it. Presentations on Innovative idea for subsurface electromagnetic (EM) measurement techniques, applications are welcome. We invite papers presenting EM field methodology and case studies of shallow/deep geological structures
Presentation in English is recommended.

This year, the workshop will be held one of the events in French-Japanese week of Disaster Risk Reduction. One of the focused topics in the workshop is

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Web site for paper submission:

<http://www.ieice.org/ken/program/index.php?tgid=IEICE-SANE>

http://www.ieice.org/ken/program/index.php?instsoc=IEICE-B&tgid=IEICE-SANE&year=®ion=&schkey=&sch1=1&pskey=&ps1=1&ps2=1&ps3=1&ps4=1&ps5=1&search_mode=&pnum=0&psize=2&psort=0&layout=&lang=eng

The deadline of the submission of title and abstract is 14th August.

For further question contact:

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