

OPPORTUNITY TO MAKE A DIFFERENCE IN NEAR-SURFACE GEOPHYSICS AWARENESS RAISING



FastTIMES is the technical near-surface geophysics magazine of EEGS and globally, it is the only magazine devoted entirely to near-surface geophysics news and outreach, bringing the message, in an accessible way of the latest research and development, applications, value and limitations of near-surface geophysical methods to both geophysicists and the broader audience of geoscience and engineering professional who are the end-users of geophysics.

In addition to documenting and promoting the EEGS Annual SAGEEP Conference and its proceedings, **FastTIMES** features an ongoing series of Special Issues, each focused on a theme of sustainability for the Americas and globally (download recent issues from <https://www.eegs.org/latest-issue>).



EEGS is looking to maintain, as well as continue to improve, **FastTIMES** magazine and with the current Editor-in Chief, Geoff Pettifer, intending to move on in 2020, EEGS is considering new ways of sustainably maintaining the quality and delivery of the magazine with the approach of a managing Editor and a team of guest Editors, along with the current Associate Editors, to share the workload.

EEGS is therefore seeking expressions of interest in joining the **FastTIMES** Editorial team, from geophysicists / geoscientists who have the passion, time, energy and interest in either being a Managing Editor or being responsible, under a Managing Editor, for occasionally delivering as an Editor, a single issue of the magazine with a theme of your choice from the many themes of sustainability for geoscience and geo-engineering identified as worthy of focus in the various sectors where near-surface geophysical methods can be applied.

The Special Issues themes cover the context and applications of near-surface geophysics methods to issues of sustainability for the infrastructure, geo-engineering, geotechnical, groundwater, environmental, mining, agriculture, archaeological, forensic, UXO and resource delineation sectors (see above graphic for themes covered so far).

Upcoming sustainability application themes include such themes as climate change, riparian and wetland condition, sustainable groundwater resources, landfill, nuclear waste disposal, geothermal energy, infrastructure – underground excavations & cavities, infrastructure condition assessment – NDT, abandoned mines and mine rehabilitation and closure, coastal engineering, mine tailings management - geotechnical, environmental / groundwater, mine water management, catchment mapping, contaminated sites - investigation and cleanup / auditing – Superfund sites, sustainable irrigation - channel leakage, soil management, optimal agriculture, geohazards, micro-seismicity, documenting archaeological sites underground and open pit mine safety geophysics, forensics geophysics, geophysical research and education, geological mapping, critical zone – surface and groundwater interaction, glaciology and permafrost.

Technological themes applicable to sustainability and advancement of near-surface geophysics science, in addition to focus on advances in individual geophysical methods, includes such themes as uncertainty in modelling, transformation of geophysical parameters incorporating uncertainty into other geoscience and geo-engineering parameters, standards revisited, geophysical software, 3D inversion, calibration and instrument development, joint method inversion, advances in computing power, cross-hole methods, technology transfer from the O&G and minerals sector to NSG, NSG uses of mineral exploration data for mine site development, NSG uses of oil and gas exploration data, shallow marine geophysics, hyperspectral geophysics, remote sensing sensors and datasets, and 3D geophysical / geological integrated modelling.

If you are interested in outreach of near-surface geophysics science and being part of the Editorial team delivering **FastTIMES**, or want to learn more about what is involved, please contact EEGS Communications and Publications Chair: Judith Robinson (judith.robinson@pnnl.gov) or FastTIMES Editor-in-Chief: Geoff Pettifer (editorfasttimesnewsmagazine@gmail.com; Cell phone: +1-360-989-6771).