

AEGC 2019: Call for abstracts announced

The call for abstracts is now open for AEGC 2019, the largest geoscience conference in the southern hemisphere!

Jointly hosted by the Australian Institute of Geosciences, Australian Society of Exploration Geophysicists and the Petroleum Exploration Society of Australia, the AEGC 2019 technical program committee has a focus on geology, geophysics and geochemistry. The call for abstracts is open until 31 August 2018.

Papers are being sought from a wide range of disciplines, including, but not limited to geology, petrophysics, geophysics, petroleum systems, geochemistry, basin modelling, discovery techniques and regolith, conventional oil and gas, mineral mapping, unconventional oil and gas, geometallurgy, CO₂ sequestration, ore genesis, coal, mineral systems characteristics, regional deep crustal studies, remote sensing and applications, greenfield exploration case histories, geochronology, brownfield



AEGC2019
Data to Discovery

Australasian Exploration Geoscience Conference
2-5 September 2019 • Perth, Western Australia
Incorporating the **AIG, ASEG, PESA, and WABS**

Enquiries: aegc@encanta.com.au **www.aegc.com.au**

Co-Hosted by  **AUSTRALIAN INSTITUTE OF GEOSCIENTISTS**
Supporting Geoscientists  **Australian Society of Exploration Geophysicists**  **PESA**
Petroleum Exploration Society of Australia

development case histories, project generation and targeting, strategic and industrial minerals, environmental studies, groundwater, hydrothermal applications, palaeontology and archaeology, geotechnical studies, geohistory and geoheritage, high performance computing, mining geology, mathematical methods.

Keep up to date by registering at www.aegc.com.au or by following the LinkedIn page <http://www.linkedin.com/company/aegc2019/>.

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Perth to host first Asia Pacific workshop on fibre-optic sensing

The proliferation of fibre-optic cables has resulted in an increased level of interest in their use as sensors. With the employment of appropriate hardware, the cables can be used for both temperature and vibration monitoring. The latter, commonly referred to as Distributed Acoustic Sensing or DAS, is of particular interest to geophysicists as it can enable, for example, a Vertical Seismic Profile to be acquired over the full depth of a well

with spatial sampling of under 1 m in a matter of minutes (Figure 1). Attention is also now turning to the use of DAS to quickly and cheaply acquire surface seismic data.

To raise awareness of the uses of fibre-optic sensing Curtin University and the CSIRO are hosting the first Asia Pacific Workshop on Fibre-Optic Sensing in Perth between 13 and 15 November 2018.

The workshop is divided into three sections:

- (1) A Masterclass on fibre-optic sensing by Dr Arthur Hartog. Arthur's research led to the first demonstration of a distributed optical fibre sensor in 1982. Since then he has continued to work on optical sensing and was responsible for the first Raman distributed temperature system. Arthur is the author of the acclaimed book *An introduction to distributed optical fibre sensors*.
- (2) Presentations from industry and academia detailing the application of fibre-optic sensing in fields such as mining, oil & gas exploration and production monitoring, pipeline monitoring, security systems, and road and rail monitoring.
- (3) Practical demonstrations conducted at Curtin University's dedicated field laboratory.

Registrations are available via the workshop website (www.apwfos.org) and a discounted rate for ASEG Members is available.

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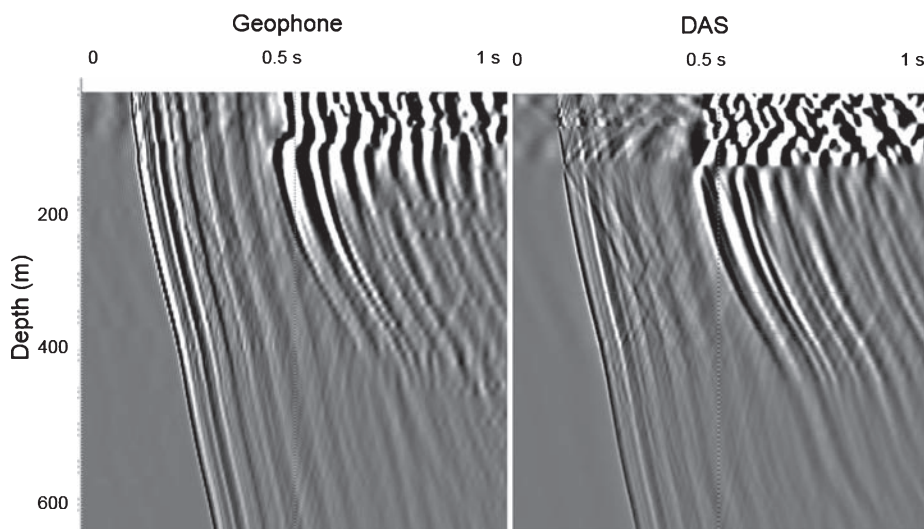


Figure 1. Comparison of a conventionally acquired (geophone) VSP with one acquired using a DAS system.