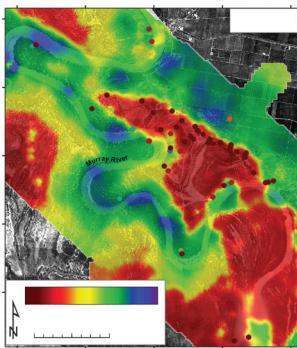




## EDITORIAL PANEL

## Managing Editor

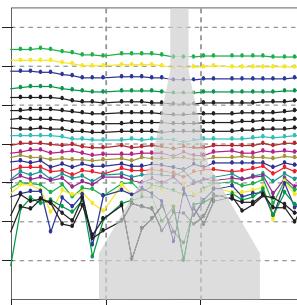
Mark Lackie



- Spatially constrained inversion for quasi 3D modelling of airborne electromagnetic data – an application for environmental assessment in the Lower Murray Region of South Australia ..... 173  
*Andrea Viezzoli, Esben Auken and Tim Munday*

- An integrated processing scheme for high-resolution airborne electromagnetic surveys, the SkyTEM system ..... 184  
*Esben Auken, Anders Vest Christiansen, Joakim H. Westergaard, Casper Kirkegaard, Nikolaj Foged and Andrea Viezzoli*

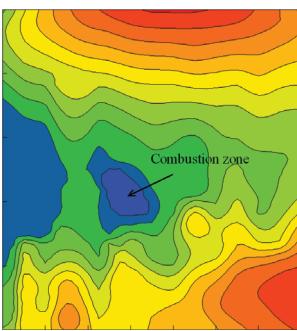
- Transient electromagnetic sounding using a 5 m square loop ..... 193  
*Shu Yan, Ming Sheng Chen and Xian Xin Shi*



- An analysis method for magnetotelluric data based on the Hilbert–Huang Transform ..... 197  
*Jian-Hua Cai, Jing-Tian Tang, Xi-Rui Hua and Yu-Rong Gong*

- Application of a streamer resistivity survey in a shallow brackish-water reservoir ..... 206  
*Sung-Ho Song and In-Ky Cho*

- A least-squares minimisation approach to depth determination from numerical second horizontal self-potential anomalies ..... 214  
*El-Sayed Mohamed Abdelrahman, Khalid Soliman, Khalid Sayed Essa, Eid Ragab Abo-Ezz and Tarek Mohamed El-Araby*



- Results from a novel direct magnetic gradiometer ..... 222  
*Andrew Sunderland, Howard Golden, Wayne McRae, Alexey Veryaskin, Li Ju and David Blair*

- Frequency-domain waveform inversion using an  $l_1$ -norm objective function ..... 227  
*Sukjoon Pyun, Woohyun Son and Changsoo Shin*

- Blocking geophysical borehole log data using the continuous wavelet transform ..... 233  
*Gordon R. J. Cooper and Duncan R. Cowan*