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Publications

Efficient inversion of 2.5D electrical resistivity data using the discrete adjoint method. Geophysics 86, (2021): 1-54. Diego Domenzain, John Bradford, Jodi Mead.

Joint inversion of full-waveform inversion GPR and ER data. Part 1. Geophysics 85, no.6 (2020): 1-72. Diego Domenzain, John Bradford, Jodi Mead.

Joint inversion of full-waveform inversion GPR and ER data. Part 2. Geophysics 85, no.6 (2020): 1-74. Diego Domenzain, John Bradford, Jodi Mead.

Joint Inversion of GPR and ER Data. PhD thesis, 2020. Diego Domenzain.

Maximal arcs, above and beyond. Master's thesis, 2014. Diego Domenzain.

Conferences & Proceedings

* **Diego Domenzain, John Bradford, Jodi Mead**. *Inversion of 2.5D electrical resistivity data using the discrete adjoint method*. SEG 2020 Fall meeting.

* **Diego Domenzain, John Bradford, Jodi Mead**. *Joint inversion of full-waveform GPR and ER data enhanced by the envelope transform and cross-gradients*. GPR 2020 biannual meeting.

John Bradford, AR Mangel, D Domenzain. *Reverse-Time Migration and Full-Waveform Inversion of Surface Ground-Penetrating Radar Data*. AGU Fall meeting 2018.

Diego Domenzain, John Bradford, Jodi Mead. *Joint inversion of GPR and ER data using the adjoint method*. AGU Fall meeting 2018.

* **Diego Domenzain, John Bradford, Jodi Mead**. *Joint inversion of GPR and ER data*. SEG Technical Program Expanded Abstracts 2018: pp. 4763-4767. SEG Fall meeting 2018.

Diego Domenzain, John Bradford, Jodi Mead. *Imaging by joint inversion of electromagnetic waves and DC currents*. SIAM-Geosciences meeting 2017.

Diego Domenzain, John Bradford, Jodi Mead. *Imaging by joint inversion of electromagnetic waves and DC currents*. SAGEEP 2017.

Diego Domenzain, John Bradford, Jodi Mead. *Forward modeling of ground penetrating radar (GPR) and electric resistivity tomography (ERT) using finite difference time domain and finite volume methods, first steps for a joint inversion*. AGU Fall meeting 2016.

Attended Workshops

Image Reconstruction from Millimeters to the Globe. Summer 2018. Lorentz Center, Leiden University, NL.
17th International Conference on Ground Penetrating Radar. Summer 2018. Rapperswil, Switzerland.
Inverse problems. Summer 2016. Colorado State University, USA.
Computational and Analytical Aspects of Image Reconstruction. Summer 2015. ICERM, Brown University, USA.

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* expanded abstract.