

SEISCOPE PUBLICATIONS

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6. A. Rhomdane, G. Grandjean, R. Brossier, F. Réjiba, S. Operto and J. Virieux. Shallow structures characterization by 2D elastic waveform inversion, *Geophysics*, 76(3), R81-R93, 2011.
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11. V. Etienne, E. Chaljub, J. Virieux and N. Glinsky. An *hp*-adaptive discontinuous Galerkin finite-element method for 3-D elastic wave modeling. *Geophysical Journal International*, 183(2), 2010.

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Anterior publications on seismic modeling and inversion

28. S. Operto, J. Virieux, J. X. Dessa and G. Pascal, Crustal-scale seismic imaging from multifold ocean bottom seismometer data by frequency- domain full-waveform tomography : application to the eastern Nankai trough, *Journal of Geophysical Research*, 111, B09306, doi:10.1029/2005JB003835, 2006.
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PhD Thesis

39. R. Brossier, Imagerie sismiques à deux dimensions des milieu visco-élastiques par inversion des formes d'ondes : développements méthodologiques et applications. PhD thesis, University of Nice – Sophia-Antipolis, 185 pages, 2009.
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EAGE / SEG Expanded abstracts

1. J. Virieux, S. Operto, A. Asnaashari, R. Brossier, C. Castellanos, V. Etienne, Y. Gholami, G. Hu, D. Pageot, V. Prioux, A. Ribodetti, and A. Roques. A multi-scale strategy for handling broadband seismic data, SEG Expanded Abstracts 30, 4360 (2011), DOI:10.1190/1.3628117.
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16. R. Brossier, Y. Gholami, J. Virieux and S. Operto, 2D Frequency-domain Seismic Wave Modeling in VTI Media Based on a Hp-adaptive Discontinuous Galerkin Method.
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23. V. Etienne, J. Virieux, N. Glinsky and S. Operto Seismic modelling with Discontinuous Galerkin Finite-Element method - Application to Large Scale 3D Elastic Media Presented at the 71th EAGE Conference, Amsterdam 2009, P131.
24. A. Rhomdane, G. Grandjean, R. Brossier and S. Operto Full Waveform Inversion of seismic data for 2D shallow structures imagery - Limitations and perspectives. Presented at the 71th EAGE Conference, Amsterdam 2009, P002.

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29. S. Operto, M. Malinowsky, L. Improta and J. Virieux On the applicability of frequency-domain full-waveform tomography to low frequency-long offset vibroseis data. Presented at the EAGE 2008 Vibroseis workshop, Prague.
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43. S. Operto and J. Virieux Imagerie sismique par inversion des formes d'onde en domaine fréquentiel. To be presented at 21th GRETSI meeting (Traitement du signal & des images), Troyes, september 11-15th 2007.
44. H. Ben Hadj Ali, S. Operto, J. Virieux, P. Amestoy, J. -Y. L'Excellent and L. Giraud 3D Finite-difference Frequency-domain modeling of acoustic wave propagation using a massively parallel direct solver. Presented at the EAGE Conference, London 2007.
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47. M. Malinowski, A. Ribodetti and S. Operto Viscoacoustic Full-waveform Inversion for velocity and attenuation - Refining the imaging of a sedimentary basin. Presented at the EAGE Conference, London 2007.
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49. M. Delost, S. Operto, J. Virieux and F. Adler Introducing wavelets in travelttime tomography : application to foothills Presented at the SEG Conference, New-Orleans 2006.
50. S. Operto, J. Virieux, P. Amestoy, L. Giraud and J. Y. L'Excellent 3D frequency-domain finite-difference modeling of acoustic wave r using a massively parallel direct solver : a feasibility study, Presented at the SEG Conference, New-Orleans 2006.
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52. M. Delost, S. Operto and J. Virieux, Adaptive travelttime tomography using wavelets, Presented at the EAGE Conference, Vienna 2006.
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56. W. Agudelo, A. Ribodetti, S. Operto, B. Delouis, J. Y. Collot, Integrated PSDM and simulated annealing optimization for decollement 2D quantitative imaging, EAGE Conference, Madrid 2005, P273.
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Lectures

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2. Operto, S. (2006). Practical aspects of frequency-domain finite-difference modeling of wave propagation. Polycopie, Ecole Thematique SEISCOPE, 11-15 septembre 2006 (<http://seiscope.oca.eu/spip.php?article23>).