

Contents

Acknowledgments	iii
Policy on Proprietary Material	v
Introduction	vii
Interferometry	
A comparison of strategies for seismic interferometry (CWP-619) <i>R. Snieder, M. Miyazawa, E. Slob, I. Vasconcelos & K. Wapenaar</i>	1
Lagrangian Green’s function extraction with applications to potential fields, diffusion, and acoustic waves (CWP-620) <i>R. Snieder, E. Slob & K. Wapenaar</i>	15
Retrieving the potential field response from cross-correlations (CWP-621) <i>E. Slob & R. Snieder</i>	27
Electromagnetic Fields	
Controlled source electromagnetic interferometry by multidimensional deconvolution: Spatial sampling of aspects <i>J. Hunziker, E. Slob & K. Wapenaar</i>	35
3-D controlled source electromagnetic (CSEM) interferometry by multidimensional deconvolution (CWP-622) <i>Y. Fan & R. Snieder</i>	41
Uncertainty analysis for the integration of seismic and CSEM data (CWP-623) <i>M.J. Kwon & R. Snieder</i>	51
Iterative extended Born approximation based on CG-FFT integral equation method for low-frequency 3D modeling <i>A.M. Tehrani & E. Slob</i>	65
Time Lapse	
Feasibility of borehole radar measurements to monitor water/steam fronts in enhanced oil recovery applications <i>M. Miorali, E. Slob & R. Arts</i>	73
Facing the main challenges in carbon capture and sequestration (CWP-624) <i>R. Snieder & T. Young</i>	81
Influence of background heterogeneity on travelttime shifts for compacting reservoirs (CWP-625) <i>R.F. Fuck, I. Tsvankin & A. Bakulin</i>	83

Analysis of the symmetry of a stressed medium using nonlinear elasticity (CWP-616)	
<i>R.F. Fuck & I. Tsvankin</i>	101
Anisotropy	
Role of the inhomogeneity angle in anisotropic attenuation analysis (CWP-615)	
<i>J. Behura & I. Tsvankin</i>	113
Multi-azimuth prestack time migration for anisotropic weakly heterogeneous media (CWP-626)	
<i>W. Söllner, I. Tsvankin & E.F.F. Silva</i>	133
Stacking-velocity tomography with borehole constraints for tilted TI media (CWP-627)	
<i>X. Wang & I. Tsvankin</i>	145
Elastic wave mode separation for TTI media (CWP-628)	
<i>J. Yan & P. Sava</i>	155
Imaging	
Moveout analysis of wave-equation extended images (CWP-629)	
<i>T. Yang & P. Sava</i>	175
Wave-equation migration velocity analysis using extended images (CWP-630)	
<i>T. Yang & P. Sava</i>	195
Probabilistic micro-earthquake location for reservoir monitoring and characterizatton (CWP-631)	
<i>R. Xuan & P. Sava</i>	203
Imaging effects due to multi-scale model heterogeneity (CWP-632)	
<i>Y. Ma & S. Sava</i>	221
Image Processing & Interpretation	
Freeform modeling of faulted surfaces in seismic images (CWP-633)	
<i>D. Parks</i>	239
Image-guided blended neighbor interpolation (CWP-634)	
<i>D. Hale</i>	247
Structure-oriented smoothing and semblance (CWP-635)	
<i>D. Hale</i>	261