

Geophysical Inversion Workshop

Preliminary Agenda

	Monday August 15	Tuesday August 16	Wednesday August 17	Thursday August 18	Friday August 19
Morning	Gray Chapman Felea	Mulder Natterer Routh	Fishman Colton Malcolm	Pratt Washbourne Wang	de Hoop Weglein Jing
Afternoon	Bleistein Symes Al-Saleh	Lokshtanov Papanicolaou Lines	Palamodov Etgen Ma	Stolt Wu Hogan	

Invited Talks

1. Bleistein: Kirchhoff inversion for Incident Waves Synthesized from Common-Shot Data Gathers
2. Chapman: Some comments on the Born approximation
3. Colton: Electromagnetic Imaging of Buried Objects
4. de Hoop: Advances in wave equation tomography
5. Etgen: Imaging below salt: where are we and how did we get there, an "industrial" perspective
6. Fishman: A Hitchhiker's Guide to the Seismic Phase Space and Path Integral Universe
7. Gray: Industrial-strength depth imaging methods: One-way, two-way, or two-pass one-way?
8. Lokshtanov: 3D wave-equation prediction of multiples
9. Mulder: Nonlinear migration and full waveform tomography
10. Natterer: Least Squares Inversion Revisited
11. Palamodov: Reconstruction of medium from boundary measurements. New prospections
12. Papanicolaou: Interferometric array imaging in clutter and optimal illumination.
13. Pratt: Velocity Models from Seismic Waveform Tomography: Making the theory work with data, and making the data work with the theory
14. Stolt: Some Observations on Multipath Asymptotic Imaging
15. Symes: A Software Framework for Inversion
16. Washbourne: TBA
17. Weglein: Responding to pressing seismic challenges: Removing multiples and depth imaging and inverting primaries without knowing or determining the velocity model
18. Wu: True-amplitude, true-reflection imaging and scattering tomography

Contributed Talks

19. Al-Saleh: Explicit wavefield extrapolation directly from topography
20. Felea: An FIO calculus for the marine seismic imaging: folds and cross caps
21. Hogan: Stabilizing wavefield extrapolation with locally WKB operator symbols
22. Jing: From basic analysis of information content and resolvability to pre-stack inversion of multicomponent seismic data
23. Lines: Cooperative Inversion in Reservoir Characterization
24. Ma: Seismic Depth Imaging with the Gabor Transform
25. Malcolm: Amplitude Corrections for Estimating Imaging Artifacts from Multiples
26. Routh: Fresnel theory in radar wave propagation problems- A better alternative to rays
27. Wang: High-resolution Wave Equation AVP Imaging with Sparseness Constraints