

Publications – ROSE2

Published papers:

1. Alerini, M., and Ursin, B., 2009, Adaptive focusing window for seismic angle migration. *Geophysics*, **74**, S1-S10.
2. Abbad, B., Ursin, B., and Rappin, D., 2009, Automatic nonhyperbolic velocity analysis. *Geophysics*, **74**, U1-U12.
3. Malcolm, A.E., Ursin, B., and de Hoop, M.V., 2009, Seismic imaging and illumination with internal multiples. *Geophysical Journal International*, **176**, 847-864.
4. Ayzenberg, M.A., Aizenberg, A.M., and Ursin, B., 2009, Tip-wave superposition method with effective reflection and transmission coefficients: a new 3D Kirchhoff-based approach to synthetic seismic modeling. *The Leading Edge*, 582-588.
5. Dadashpour M., Echeverria-Ciaurri D., Kleppe, J., Landrø, M., 2009: Porosity and permeability estimation by integration of production and time-lapse near and far offset seismic data, *Journal of Geophysics and Engineering*, **6**, 325-344.
6. Vivas, F.A., Pestana, R.C., and Ursin, B., 2009, A new stabilized least-squares imaging condition. *Journal of Geophysics and Engineering*, **6**, 264-268.
7. Ayzenberg, M., Tsvankin, I., Aizenberg, A., and Ursin, B., 2009, Effective reflection coefficients for curved interfaces in transversely isotropic media. *Geophysics*, **74**, W33-W53.
8. Tyapkin, Y., Ursin, B., Perroud, H., Silinska, O. and Tiapkina, O., 2010, Zero- and first-order approximations for least-squares estimation of seismic signal with coherent and random noise. *Journal of Geophysics and Engineering*, **7**, 51-63.
9. Pedersen, Ø., Brandsberg-Dahl, S. and Ursin, B., 2010, Seismic imaging using lateral adaptive windows. *Geophysics*, **75**, 73-79.
10. Alassi, H.T.I., Holt, R.M., and Landrø, M., 2010, Relating 4D seismics to reservoir geomechanical changes using a discrete element approach. *Geophysical Prospecting*, **58**, 657-668.
11. Skopintseva, L., and Stovas, A. 2010, Overburden dependent AVA inversion, *Geophysics*, **75**, N2, C15-C23.
12. Fomel, S., and Stovas, A., The generalized non-hyperbolic moveout approximation, *Geophysics*, **75**, N2, U9-U18.
13. Stovas, A., and Roganov, Yu., 2010, Scattering versus intrinsic attenuation in periodically layered media, *Journal of Geophysics and Engineering*, **7**, 135-142.
14. Mehdi Zadeh, H., Srivastava, R.P., Vedanti, N. and Landrø, M., 2010, Seismic monitoring of in situ combustion process in a heavy oil field. *Journal of Geophysics and Engineering*, **7**, 16-29.
15. Porsani, M.J., Silva, M.G., Melo, P.E.M., and Ursin, B., 2010, SVD filtering applied to ground-roll attenuation. *Journal of Geophysics and Engineering*, **7**, 284-289.
16. Nag, S., Alerini, M., and Ursin, B., 2010, PP/PS anisotropic stereotomography. *Geophysical Journal International*, **181**, 427-452.
17. Wang, S., de Hoop, M.V., and Ursin, B., 2010, Illumination analysis of wave-equation imaging with curvelets. *Inverse Problems*, **26**, 115013 (27 pp).
18. Duffaut, K., Landrø, M. and Sollie, R., 2010, Using Mindlin theory to model friction-dependent shear modulus in granular media. *Geophysics*, **75**, E143-E152.
19. Misaghi, A., Hegabhan, S., Landrø, M. and Javaherian, A., 2010, A comparison of rock physics models for fluid substitution in carbonate rocks. *Exploration Geophysics*, **41**, 146-154.
20. Tempone, P., Fjær, E. and Landrø, M., 2010, Improved solution of displacements due to a compacting reservoir over a rigid basement. *Applied Mathematical Modelling*, **34**, 3352-3362.
21. Evensen, A.K. and Landrø, M., 2010, Time-lapse tomographic inversion using a Gaussian parametrization of the velocity changes. *Geophysics*, **75**, U29-U38.
22. Roganov, Yu. and Stovas, A., 2010, On shear wave triplications in a multi-layered VTI medium, *Geophysical Prospecting*, **58**, N4, 549-559.
23. Golikov, P., and Stovas, A., 2010, New weak-contrast approximation for reflection coefficients in VTI media, *Journal of Geophysics and Engineering*, **7**, 343-350.
24. Duffaut, K., Landrø, M. and Sollie, R., 2010, Using Mindlin theory to model friction-dependent shear modulus in granular media, *Geophysics*, **75**, E143-E152.
25. Amundsen, L., Westerdahl, H., Thompson, M., Haugen, J.A., Reitan, A., Landrø, M., and Ursin, B., 2010, Multicomponent ocean bottom and vertical cable seismic acquisition for wavefield reconstruction. *Geophysics*, **75**, WB87-WB94.
26. Osdal, B. and Landrø, M., 2011, Estimation of changes in water column velocities and thicknesses from time lapse seismic data. *Geophysical Prospecting*, **59**, 295-309.

27. Pedersen, Ø., Ursin, B., and Helgesen, H.K., 2010, One-way wave-equation migration of compressional and converted waves in a VTI medium. *Geophysics*, **75**, S237-S257.
28. Stovas, A., 2010, Generalized moveout approximation for qP- and qSV-waves in a homogeneous transversely isotropic medium, *Geophysics*, **75**, D79-D84.
29. Stovas, A., 2010, Unconstrained Dix-type inversion in a layered VTI medium, *Journal of Geophysics and Engineering*, **8**, 1-5.
30. Mehdi Zadeh, H., M. Landrø and O.I. Barkved, 2011, Long-offset time-lapse seismic: Tested on the Valhall LoFS data, *Geophysics*, **76**, O1-O13.
31. Duffaut, K., P. Avseth and M. Landrø, 2011, Stress and fluid sensitivity in two North Sea oil fields – comparing rock physics models with seismic observations, *The Leading Edge*, **30**, 98-102.
32. Wiik, T., Løseth, L.O., Ursin, B. and Hokstad, K., 2011, TIV contrast source inversion of mCSEM data, *Geophysics*, **76**, F65-F76.
33. Abbad, B., Ursin, B. and Porsani, M. J., 2011, A fast, modified parabolic Radon transform. *Geophysics*, **76**, V11-V24.
34. Malcolm, A.E., de Hoop, M.V. and Ursin, B., 2011, Recursive imaging with multiply scattered waves using partial image regularization: A North Sea case study, *Geophysics*, **76**, B33-B42.
35. Rabben, T.E. and Ursin, B., 2011, AVA inversion of the top Utsira Sand reflection at the Sleipner field, *Geophysics*, **76**, C53-C63.
36. Landrø, M., Amundsen, L. and Barker, D., 2011, High frequency signals from air gun arrays, *Geophysics*, **76**, 1-9.
37. Roganov, Yu. and Stovas, A., 2011, Caustics in a periodically layered transversely isotropic medium with vertical symmetry axis, *Geophysical Prospecting*, **59**, 375-385.

Presentations at international meetings:

1. Landrø, M. and L. Amundsen, 2009, Estimating velocity and thickness changes of compacting reservoirs combining 4D seismic and gravimetric measurements. *SEG Expanded Abstracts* **28**, 3785.
2. Tempone, P. and M. Landrø, 2009, Estimation of changes in gravity anomaly due to a compacting reservoir. *SEG Expanded Abstracts* **28**, 3790.
3. Wiik, T., Ursin, B., and Hokstad, K., 2009, 2.5D frequency domain EM modeling in conductive TIV media. 71st EAGE Conference, Amsterdam, Extended abstracts, P076.
4. Ayzenberg, M., Aizenberg, A., Helle, H.B., Klem-Musatov, K.D., Paichel, J., and Ursin, B., 2009, Our experience of 3D synthetic seismic modeling with tip-wave superposition method and effective coefficients. 71st EAGE Conference, Amsterdam. Extended abstracts, P137.
5. Amundsen, L., Arntsen, B., Reitan, A., and Ursin, B., 2009, Wave-equation depth migration in elastic media – new results. 71st EAGE conference, Amsterdam. Extended abstracts, U001.
6. Malcolm, A., Ursin, B., and de Hoop, M.V., 2009, Imaging with multiply scattered waves. *Waves 2009*, Pau. Proceedings, 420-421.
7. Ursin, B., Abbad, B., Porsani, M.J., 2009, Multiple attenuation with a modified parabolic Radon transform. 11th International Congress of the Brazilian Geophysical Society, Salvador.
8. Ursin, B., Tygel, M., and Iversen, E., 2009, SS-traveltime parameters from PP- and PS-reflections. 11th International Congress of the Brazilian Geophysical Society, Salvador.
9. Porsani, M.J., Silva, M.G., and Ursin, B., 2009, Filtragem do groundroll utilizando SVD. 11th International Congress of the Brazilian Geophysical Society, Salvador.
10. Tyapkin, Y., Ursin, B., Silinska, O., and Tiapkina, O., 2009, Zero- and first-order approximations for least-squares estimation of seismic signal contaminated by coherent and random noise of complex structure. 79th SEG Meeting, Houston, Expanded abstracts, 3274-3278.
11. Wang, S., de Hoop, M.V., and Ursin, B., 2009, Illumination analysis of wave-equation imaging with “curvelets”. 79th SEG Meeting, Houston, Expanded abstracts, 2362-2367.
12. Porsani, M.J., Silva, M.G., Melo, P.E.M., and Ursin, B., 2009, Ground-roll attenuation based on SVD filtering. 75th SEG Meeting, Houston, Expanded abstracts, 3381-3385.
13. Holt, R.M., Fjær, E., and Alassi, H.T., 2009 An unconsolidated view at 4D seismics. *Sound of Geology Workshop 2009*, Bergen 6-8 May; 4 pp.
14. Holt, R. M. and Fjær, E., 2009, R- From laboratory data to 4D seismic interpretation. 75th SEG Meeting, Houston, Expanded abstracts, 4 pp.
15. Kolstø, M.I., Potyondy, D.O., and Holt, R.M., 2010, Bound water in shale – Numerical simulations and experimental indications. *EAGE Workshop “Shale – Resource & Challenge”*, Nice, 26-28 April; 2 pp.
16. Bhuiyan, M. H. and Holt, R. M., 2010, Effects of Mineralogy and Stress on Reflection Coefficient – A Laboratory Based Study. *EAGE Barcelona*; 4 pp.

17. Bhuiyan, M. H. , Kolstø, M.I., and Holt, R.M., 2010, Mechanical and acoustic parameters of sand – clay mixtures under stress. In Proc. 44th US Rock Mechanics Symposium, Salt Lake City, 6 pp. (refereed)
18. Stovas, A., and Roganov, Yu., 2009, Attenuation versus scattering in a periodically layered medium, SEG, Houston.
19. Stovas, A., 2009, Direct Dix-type inversion in a layered VTI medium, SEG, Houston.
20. Stovas, A., 2010, Generalization of vertically heterogeneous velocity models, SEG-EAGE conference, Saint-Petersburg, Russia.
21. Stovas, A., 2010, Non-hyperbolic velocity analysis in shales, EAGE Shale Workshop, Nice, France.
22. Stovas, A., and Roganov, Yu., 2010, Stratigraphic filtering in anelastic media, Geoinformatika, Kiev, Ukraine.
23. Ursin B., Wiik, T., Løseth, L.O. and Hokstad, K., 2010, TIV contrast source inversion of mCSEM data. EGM 2010 International Workshop, Capri, Expanded Abstracts.
24. Malcolm, A.E., Ursin, B., and de Hoop, M.V., 2010, Imaging with doubly scattered waves – A North Sea case study. 72nd EAGE Conference, Barcelona. Extended abstracts, P374.
25. Amundsen, L., Westerdahl, H., Thompson, M., Haugen, J.A., Reitan, A., Landrø, M., and Ursin, B., 2010, Multicomponent OBS and VC acquisition for wavefield reconstruction. 80th SEG Meeting, Denver, Expanded abstracts, 1661-1665.
26. Porsani, M.J., Silva, M.G., Melo, P.E.M., and Ursin, B., 2010, An adaptive local-slope SVD filtering approach to enhance events on seismic sections. 80th SEG Meeting, Denver, Expanded abstracts, 3717-3722.
27. Osdal, B., Grude, S. and Landrø, M., 2010, Sea bed diffraction and impact on 4D seismic data – observations from synthetic modelling and field data, 72nd EAGE Meeting in Barcelona.
28. Skopintseva, L.V., Aizenberg, M., Ayzenberg, M., Landrø, M., and Nefedkina, T.V., 2010, Applicability of AVO inversion based on effective reflection coefficients to long-offset data from curved interfaces, 72nd EAGE Meeting in Barcelona.
29. Tiapkina, O., Landrø, M. and Tyapkin, Y., 2010, Single-station SVD-based polarization filtering – theoretical and synthetic data investigations, 72nd EAGE Meeting in Barcelona.
30. Holt, R.M. and Stenebråten, J.F., 2010, Experimental simulation of 4D overburden effects associated with depletion of or injection into a subsurface reservoir. EAGE Workshop “Shale – Resource and Challenge”, Nice, 26-28 April, 2 pp.
31. Weibull, W. and Arntsen, B., 2010, Implications of the Born approximation for WEMVA – a systematic approach, SEG abstracts, 29, 4405-4409.
32. Arntsen, B., Tantserev, E. and Amundsen, L., 2010, True-amplitude cross-correlation shot-profile imaging condition, SEG abstracts, 29, 3272-3277.
33. Arntsen, B., Tantserev, E. and Amundsen, L., 2010, A new true-amplitude cross-correlation imaging condition for shot-profile migration, 72nd EAGE Meeting, P273.
34. Stovas, A., 2010, qP-wave triplications in a acoustic transversely isotropic medium, 72nd EAGE Meeting, Barcelona.
35. Roganov, Y., and Stovas, A., 2010, Caustics in a periodically layered VTI medium, 72nd EAGE Meeting, Barcelona.
36. Golikov, P., and Stovas, A., 2010, New weak-contrast approximation for VTI media, 72nd EAGE Meeting, Barcelona.
37. Stovas, A., 2010, “Shifted hyperbola” moveout approximation revisited, SWLIM VII, Prague.
38. Ursin, B., Stovas, A., and Toverud, T., 2010, Seismic attenuation and dispersion models – theory and VSP data analysis, SWLIM VII, Prague.
39. Stovas, A., and Fomel, S., 2010, Generalized moveout approximation in tau-p domain, SEG, Denver.
40. Stovas, A., and Golikov, P., 2011, Inversion of travelttime parameters in TTI media, Geoinformatics, Kiev.
41. Vinje, V., Stovas, A., and D.Reynaud, 2011, Preserved-traveltime smoothing, EAGE, Vienna.
42. Roganov, Yu., and A.Stovas, 2011, Low-frequency wave propagation in layered media, EAGE, Vienna.
43. Golikov, P., and A.Stovas, 2011, Travelttime parameters in ETI media, EAGE, Vienna.
44. Stovas, A., and T.Alkhalifah, 2011, A new travelttime approximation for TI media, EAGE, Vienna.
45. Stovas, A., and Yu., Roganov, 2011, Upscaling of reservoir model for seismic frequencies, EAGE-SEG Summer workshop, Trieste.
46. Landrø, M., 2011, Using site survey data to monitor shallow subsurface leakage, EAGE/SPE joint workshop, Istanbul, Expanded abstract D03.
47. Landrø, M. and Amundsen, L., 2011, Using water layer normal modes to detect shallow gas and CO₂ leakage, EAGE workshop on permanent reservoir monitoring, Trondheim, abstract 10341, 4 pp.

48. Langseth, E. and Landrø, M., 2011, 4D interpretation of gas migration in shallow sand layers, 73rd EAGE meeting, Expanded Abstract G030.
49. Tiapkina, O., Landrø, M., Tyapkin, Y. and Link, B., 2011, Single-station SVD-based polarization filtering of ground roll – investigation of limitations and pitfalls, 73rd EAGE meeting, Expanded Abstract P094.
50. Skopintseva, L., Alkhalifah, T. and Landrø, M., 2011, Frequency effects at pre-, near-, and post-critical offsets observed on water-plexiglas interface, 73rd EAGE meeting, Expanded Abstract P348.
51. Stovas, A., and Yu., Roganov, 2011, Low-frequency extension of the Backus averaging method, 12th International Congress of the Brazilian Geophysical Society, Salvador, Brazil.
52. Stovas, A., and T.Alkhalifah, 2011, The TTI slowness surface approximation, SEG, San Antonio.
53. Golikov, P., and A.Stovas, 2011, Traveltime parameters in tilted TI media, SEG, San Antonio.
54. Stovas, A., and Yu.Roganov, 2011, The Baker-Campbell-Hausdorff series in low-frequency wave propagation, IAMG Conference, Salzburg.
55. Golikov, P., P.Avseth, A.Stovas and R.Bachrach, 2011, Rock physics interpretation of heterogeneous and anisotropic turbidite reservoirs, IWRP Workshop, Denver.
56. Golikov, P., and A.Stovas, 2011, Analysis of DSR equation for elliptical DTI model, Goldin's reading conference, Novosibirsk.
57. Golikov, P., and A.Stovas, 2011, Rock physics templates for interpretation of turbidite reservoirs, 9th Euroconference on Rock Physics, Trondheim.
58. Stovas, A., and Yu., Roganov, 2011, Low frequency upscaling in seismic, 10th SEGJ Symposium, Kyoto.
59. Bhuyian, A. H., A. Ghaderi and M. Landrø, 2011, CSEM sensitivity study of CO₂ layers with uniform versus patchy saturation distributions, SEG Expanded Abstracts, **30**, 655-659.
60. Mehdi Zadeh, H. and M. Landrø, 2011, Monitoring shallow gas migration by refraction timeshift, SEG Expanded Abstracts, **30**, 4124-4127.
61. Ghaderi, A. and M. Landrø, 2011, Velocity and thickness estimation of thin CO₂ layers with uniform and patchy saturations – A 4D synthetic study, SEG Expanded Abstracts, **30**, 4119-4123.
62. Duffaut, K., M. Landrø, R. Sollie and Ø. Pedersen, 2011, Mindlin's friction term and implications for shear modulus and anisotropy in granular media, SEG Expanded Abstracts, **30**, 2194-2199.
63. Jakobsen, M. and Ursin, B., 2011, T-matrix approach to the nonlinear waveform inverse problem in 4D seismics, 73rd EAGE conference, Vienna, Extended Abstracts, P021.
64. Pestana, R.C., Ursin, B. and Stoffa, P.L., 2011, Separate P- and SV-equations for VTI media. 11th Int. Congress of the Brazilian Geophysical Society, Rio de Janeiro, Expanded Abstracts, 163-167.
65. Abbad, B., and Ursin, B., 2011, High-resolution bootstrapped differential semblance, 81st SEG Meeting, Expanded Abstracts, 2603-2607.
66. W. Weibull and B. Arntsen, 2011, Automatic Migration Velocity Analysis using reverse time migration, 73rd EAGE conference and Exhibition, Expanded abstracts.

Book Chapters:

1. Landrø, M., 2010, 4D Seismic. Chapter 19 in Petroleum Geoscience, From sedimentary environments to rock physics, edited by K. Bjørlykke, Springer, ISBN 978-3-642-02331-6.
2. Avseth, P., 2010, Explorational rock physics – the link between geological processes and geophysical observables, From sedimentary environments to rock physics, edited by K. Bjørlykke, Springer, ISBN 978-3-642-02331-6.
3. Stovas, A., and Roganov, Yu., 2011, Acoustic waves in layered media. From theory to seismic applications, Chapter 1 in *Waves in Fluids and Solids*, edited by Ruben Pico Villa, InTech, ISBN 978-953-307-285-2.

Non-refereed papers:

1. Barkved, O., Amundsen, L. and Landrø, M., 2009, Reservoir Monitoring Technology, Part IV, GeoExpro, October 2009, 32-34.
2. Kristiansen, T.G., Barkved, O., Amundsen, L. and Landrø, M., 2009, Reservoir Monitoring Technology, Part V, GeoExpro, December 2009, 50-52.
3. Amundsen, L. and Landrø, M., Marine seismic sources, Part I, GeoExpro, February 2010, 32-35.
4. Amundsen, L. and Landrø, M., Marine seismic sources, Part II, GeoExpro, March 2010, 32-34.
5. Folstad, P.G., Amundsen, L. and Landrø, M., Permanent seismic monitoring of the Ekofisk field, GeoExpro, May 2010, 70-72.

6. Deplante, C., and Ursin, B., 2009, Frequency attenuation and resolution of seismic data receive the full treatment at research workshop. First Break, 27, 9-12.
7. Landrø, M., Holt, R.M. and Ursin, B., 2009, ROSE – Rock physics and seismic research at the Norwegian University of Science and Technology. Exploration & Production: Oil and Gas Review, 7, 48-50.
8. Amundsen, L. and Landrø, M., Marine seismic sources, Part III, GeoExpro, September 2010, 68-70.
9. Amundsen, L. and Landrø, M., Marine seismic sources, Part IV, GeoExpro, November 2010, 64-66.
10. Amundsen, L. and Landrø, M., Marine seismic sources, Part V, GeoExpro, December 2010, 62-64.
11. Amundsen, L. and Landrø, M., Marine seismic sources, Part VI, GeoExpro, February 2011, 68-70.
12. Amundsen, L. and Landrø, M., Marine seismic sources, Part VII, GeoExpro, March 2011, 64-67.
13. Landrø, M. and Amundsen, L., Marine seismic sources, Part VIII, GeoExpro, April 2011, 42-46.
14. Landrø, M. and Amundsen, L., Marine seismic sources, Part IX, GeoExpro, September 2011, 64-66.
15. Landrø, M. and Amundsen, L., Marine seismic sources, Part X, GeoExpro, October 2011, 42-46.
16. Landrø, M. and Amundsen, L., Marine seismic sources, Part XI, GeoExpro, November 2011,

Papers submitted:

1. Wiik, T. Hokstad, K. and Ursin, B., 2010, Synthetic joint inversion of mCSEM and MT data, submitted to Geophysics.
2. Tygel, M., Ursin, B., Iversen, E., and de Hoop, M.V., 2010, Estimation of geological dip and curvature from time-migrated zero-offset reflections in heterogeneous anisotropic media. Geophysical Prospecting, accepted.
3. Porsani, M.J., Ursin, B., Silva, M.G. and Melo, P.E.M., 2011, Adaptive SVD dip filtering for seismic reflection enhancement. Submitted to Geophysical Prospecting.
4. Roganov, Yu. and Stovas, A., 2011, Low frequency wave propagation in periodically layered media, Geophysical Prospecting (accepted)
5. Golikov, P. and Stovas, A., 2011, Travelttime parameters in a tilted elliptical anisotropic medium, Geophysical Prospecting (accepted)
6. Stovas, A., and Fomel, S., 2011, Generalized moveout approximation in tau-p domain, Geophysics (accepted)
7. Stovas, A., and Fomel, S., 2011, “Shifted hyperbola” moveout approximation revisited, Geophysical Prospecting (accepted).
8. Stovas, A., 2011, qP-wave triplications in a acoustic transversely isotropic medium, Journal of Geophysics and Engineering (accepted).
9. Golikov, P, P. Avseth, A. Stovas, and R. Bachrach, 2011, Rock physics interpretation of heterogeneous and anisotropic turbidite reservoirs, Geophysical Prospecting (submitted).
10. Stovas, A., and Alkhalifah, T., 2011, A new travelttime approximation in TTI media, Geophysics (submitted).
11. Vinje, V., Stovas, A., and D.Reynaud, 2011, Preserved-traveltime smoothing, Geophysical Prospecting (submitted).
12. Stovas, A., and Alkhalifah, T., 2011, The TTI slowness surface approximation, Geophysical Prospecting (submitted).
13. Langseth, E. and M. Landrø, 2011, 4D interpretation of gas migration in shallow sand layers – compared to reservoir simulation, submitted to Journal of Geophysics and Engineering.
14. Barker, D. and M. Landrø, 2011, Simple expression for the bubble time period of two clustered air guns, paper accepted for publication in Geophysics.
15. Barker, D. and M. Landrø, 2011, Controlled source strength variation by changing the firing pressure – a sensitivity study for 4D calibration, paper submitted to Geophysical Prospecting.
16. Skopintseva, L, T. Alkhalifah and M. Landrø, 2011, Frequency effects at pre-, near-, and post-critical offsets observed on a water-plexiglas interface, paper submitted to Geophysical Journal International.
17. Skopintseva, L., M. Ayzenberg, M. Landrø, T. Nefedkina and A. M. Aizenberg, 2011, Long-offset AVO inversion of PP reflections from plane interfaces using effective reflection coefficients, accepted for publication in Geophysics.
18. Skopintseva, L., A. M. Aizenberg, M. Ayzenberg, M. Landrø and T. Nefedkina, 2011, Effect of the interface curvature on the reflections for long offset data, submitted to Geophysics.
19. Tiapkina, O., M. Landrø, Y. Tyapkin and L. Brian, 2011, Single-station SVD-based polarization filtering of ground roll: perfection and investigation of limitations and pitfalls, accepted for publication in Geophysics.

20. Ursin, B., Pedersen, Ø., and Arntsen, B., 2011, Flux-normalized wave-field decomposition and migration of marine seismic data, *Geophysics*, submitted.
21. Abbad, B. and Ursin, B., 2011, High-resolution bootstrapped differential semblance, *Geophysics*, submitted.
22. Pestana, R. C., Ursin, B. and Stoffa, P., 2011, Rapid expansion and pseudo spectral implementation for reverse time migration in VTI media, *Journal of Geophysics and Engineering*, submitted.
23. Tygel, M., Ursin, B., Iversen, E. and de Hoop, M.V., 2011, Estimation of geological dip and curvature from zero-offset seismic reflections in heterogeneous anisotropic media, *Stud. Geophys. Geod.*, submitted.
24. Iversen, E., Tygel, M., Ursin, B. and de Hoop, M.V., 2011, Kinematic time migration and demigration of reflections in prestack seismic data. *Geophysical Journal International*, submitted.