

Published Papers

Below are some of the published papers that SensorWise founders and staff (shown in green) were contributors:

1. G. Althoff, **A. Arian**, **B. Kavaipatti**, **G. L. Varsamis**, **L. T. Wisniewski**, "MWD Ultrasonic Caliper – Advanced Detection Techniques", SPWLA 39th Annual Logging Symposium, 1998.
2. **G. L. Varsamis**, **L. T. Wisniewski**, **A. Arian**, G. Althoff, "A New MWD Full Wave Dual Mode Sonic Tool – Design and Case Histories," SPWLA 40th Annual Logging Symposium, 1999.
3. T. Bergmann, **J. O. Blanch**, J. O. A. Robertsson, K. Holliger, "A simplified Lax-Wendroff correction for staggered grid FDTD modeling of electromagnetic wave propagation in frequency dependent media", Geophysics, Vol 64, No. 5, pp. 1369-1377, 1999
4. **G. L. Varsamis**, **A. Arian**, **J. Blanch**, **J. Market**, **L. T. Wisniewski**, G. Althoff, C. Barnett, "LWD Shear Velocity Logging in Slow Formations – Design Decisions and Case Histories," SPWLA 41st Annual Logging Symposium, 2000.
5. C. Kessler, **G. L. Varsamis**, **L. T. Wisniewski**, **A. Arian**, "A New Generation Crossed Dipole Logging Tool – Design and Case Histories," SPWLA 42nd Annual Logging Symposium, 2001.
6. J. Market, C. Barnett, R. Deady, G. Althoff, **G. L. Varsamis**, **J. Blanch**, "New Processing Techniques to Meet Challenges of LWD Acoustic Logging," SPE 71731, Presented at the 2001 SPE ATCE.
7. C. Kessler, **G. L. Varsamis**, "A New Generation Crossed Dipole Logging Tool – Design and Case Histories," SPE 71740, Presented at the 2001 SPE ATCE.
8. M. Shade, M. Mullen, C. Kessler, **G. Varsamis**, J. Blanch, "Improved Reservoir Understanding Using Crossed Dipole Sonic Anisotropy Analysis," Presented at the 2002 AAPG Annual Meeting.
9. Market, G. Althoff, C. Barnett, R. Deady, **G. Varsamis**, "Processing and Quality Control of LWD Dipole Sonic Measurements," SPWLA 43rd Annual Logging Symposium, 2002.
10. Market, M.R. Hauser, G. Althoff, R. J. Deady, **G. L. Varsamis**, "LWD Sonic Logging in Large Diameter Surface Holes," SPE 77480, Presented at the 2002 SPE ATCE.
11. O. Blanch, A. C. H. Cheng, **G. L. Varsamis**, "Method to extract fast and slow shear wave velocities in an anisotropic formation", Presented at the 2002 SEG Annual Meeting
12. J. M. Fogal, C. W. Kessler, **G. L. Varsamis**, "Application of Shear Anisotropy from a new Generation Crossed Dipole Acoustic Tool," SPE 77792, Presented at the 2002 SPE ATCE.
13. D. Goldberg, A. Cheng, **J. Blanch**, J. Byun, S. Gulick, "Analysis of LWD sonic data in low-velocity formations," Presented at the 2003 SEG Annual Meeting
14. K. Araya, **J. Blanch**, A. Cheng, **G. L. Varsamis**, "Evaluation of dispersion estimation methods for borehole acoustic data," Presented at the 2003 SEG Annual Meeting
15. J. Fogal, C. Kessler, **G. L. Varsamis**, "Acoustic Logging Tool Collects Shear Data Downhole," Drilling Contractor, March/April 2003, pp. 28-29
16. C. Kessler, **G. L. Varsamis**, "Application of Shear Anisotropy from a New Generation Crossed Dipole Acoustic Tool", presented at the NAICE, Abuja, Nigeria, 2003
17. J. S. Barajas, A. H. Patiño, H. Mesa, J. Torne, C. Kessler, **G. L. Varsamis**, **J. Blanch**, "Case History – Cased Hole Dipole Sonic Applications in Mexico," SPE 90703, Presented at the 2004 SPE ATCE
18. G. Althoff, B. Cornish, **G. L. Varsamis**, **B. Kavaipatti**, **A. Arian**, **L. T. Wisniewski**, **J. O. Blanch**, A.C. Cheng, "New Concepts for Seismic While Drilling," SPE 90751, Presented at the 2004 SPE ATCE.
19. C. Kessler, **G. L. Varsamis**, **J. Blanch**, A. Cheng, "New Developments in Monopole Acoustic Logging", SPWLA 45th Annual Logging Symposium, 2004
20. **J. O. Blanch**, A. C. H. Cheng, G. L. Varsamis, K. Araya, "Modeling of, and considerations in cross-well and VSP (pre-) survey design," Presented at the 2004 SEG Annual Meeting
21. **J. O. Blanch**, **K. Araya**, **G. L. Varsamis**, A. C. Cheng, J. Market, C. W. Kessler, G. Althoff, "Receiver Balancing in Off-Centered Acoustic Logging Data," OTC 17652, Presented at the 2005 OTC.
22. **J. Blanch**, A. Cheng, **G. Varsamis**, "Computational Requirements for Large-Scale Seismic Modeling on PC-Based Clusters," [2005] Eos. Trans. AGU, 86(18), Joint Assembly Supplement, AbstractU41A-04.
23. G. Althoff, B. Cornish, **G. L. Varsamis**, **A. Arian**, **L. T. Wisniewski**, "Advances Improve Accuracy of SWD", The American Oil & Gas Reporter, July 2005, pp. 144-147.