



Measurement While Drilling (MWD) Signal Analysis, Optimization and Design (Hardback)

By Wilson C. Chin, Yinao Su, Limin Sheng

John Wiley Sons Inc, United States, 2014. Hardback. Book Condition: New. 236 x 163 mm. Language: English . Brand New Book. The only book explaining modern MWD technology, to include hardware design, signal processing and telemetry, offering unique approaches to high-data-rate well logging. Trade magazines and review articles describe MWD in casual terms, such as positive versus negative pulsers, continuous wave systems, drilling channel noise, and attenuation, often devoid of technical rigor. However, few truly scientific discussions are available on existing methods, let alone the advances necessary for high-data-rate telemetry. Without a strong foundation building on solid acoustic principles, rigorous mathematics, and of course, fast, inexpensive and efficient testing of mechanical designs, low data rates will impose unacceptable quality issues to real-time formation evaluation for years to come. This book promises to change all of this. The lead author and M.I.T. educated scientist, Wilson Chin, and Yinao Su, academician, Chinese Academy of Engineering, and other team members have written the only book available that develops mud pulse telemetry from first principles, adapting sound acoustic principles to rigorous signal processing and efficient wind tunnel testing. In fact, the methods and telemetry principles developed in the book were recently adopted by one...



READ ONLINE
[8.33 MB]

Reviews

The publication is easy in read through safer to comprehend. It is actually loaded with wisdom and knowledge Its been printed in an extremely simple way and is particularly simply right after i finished reading through this pdf where actually modified me, affect the way i believe.

-- **Ms. Clementina Cole V**

This is the very best publication i have got read until now. It is definitely simplified but shocks within the fifty percent of the pdf. You may like how the article writer create this pdf.

-- **Rosario Durgan**