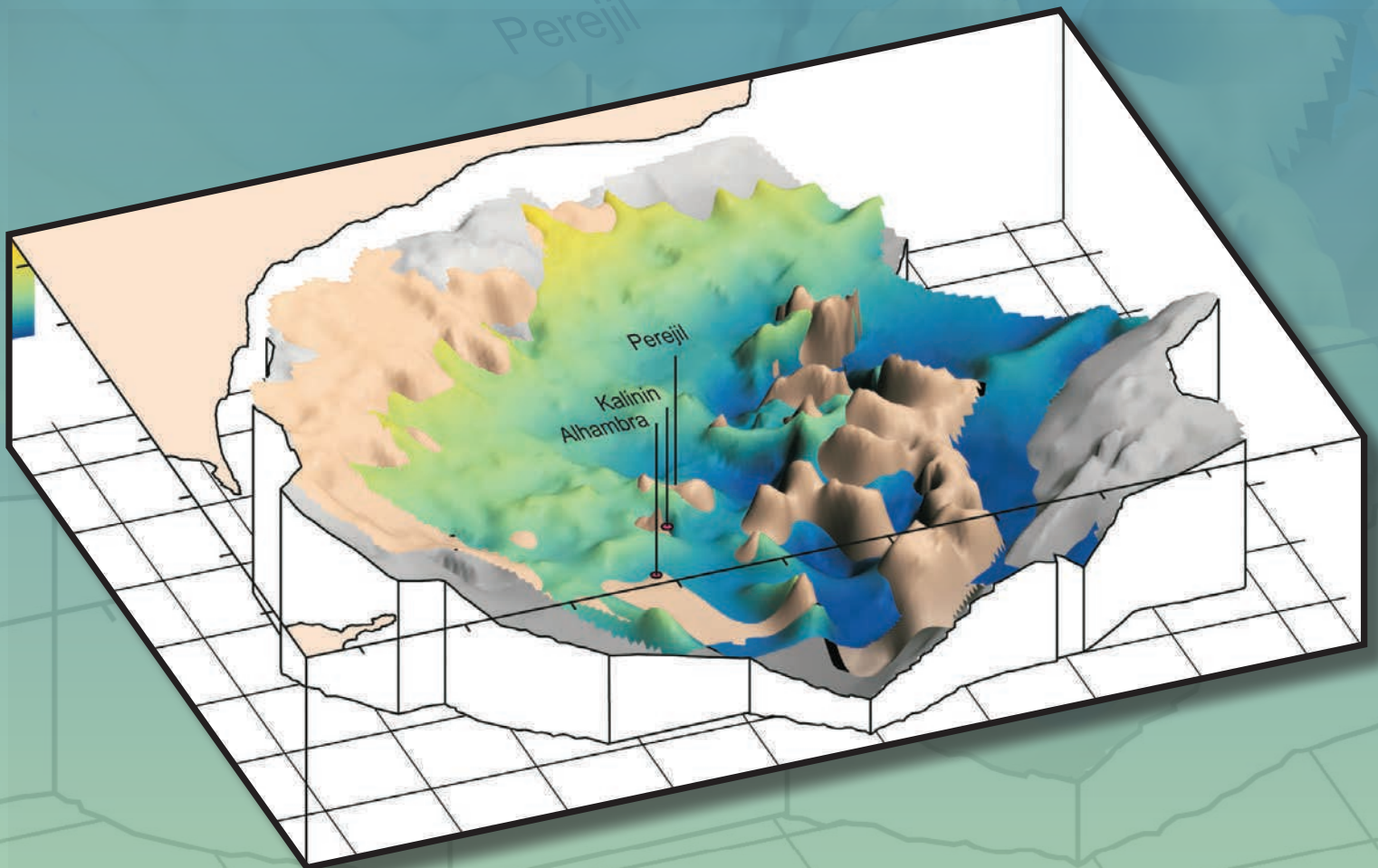




# Shale Tectonics



*Edited by*

**LESLI J. WOOD**

**AAPG Memoir 93**

# **Shale Tectonics**

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The phenomenon of rocks moving under their own means has always fascinated both scientists and nonscientists alike. The 2006 AAPG Hedberg Conference on Mobile Shale Basins was held in response to a need to gather industry and academic communities in a common forum to address the very existence of mobile shales. Stimulating and informative discussions at that Conference led to this special volume on shale tectonics.



AAPG Memoir 93 documents shale tectonics from a variety of basins around the world, including the southern Beaufort Sea; the Krishna-Godavari Basin, India; eastern offshore Trinidad; offshore Brunei; and along the Spanish arm of the Mediterranean Sea. The book also provides information on

the petrographic framework, behavior, geometries, and geodynamic models of shales.

Publication of this Memoir coincides with a growing interest in shales as hydrocarbon reservoirs, and will add to the body of literature that significantly addresses both extrusive and intrusive shales.

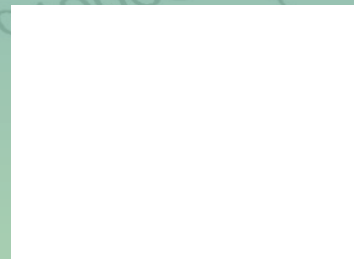


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Edited by Lesli J. Wood

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ON THE COVER: Photograph taken at the Galfa Point outcrop on Trinidad's southwest coast illustrating the proximity of the fault zone to the layer of intruded mobile mud (Henry et al., 2010, this volume), and 3-D views of the basement surface and the overlying Miocene-age shales in the Alboran Sea, western Mediterranean region (Soto et al., 2010, this volume).

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**Dr. Lesli J. Wood** is a senior research scientist at the Bureau of Economic Geology in the University of Texas, Jackson School of Geosciences, where she directs the Quantitative Clastics Laboratory research program.

She teaches field geology, sequence stratigraphy, seismic geomorphology, and seismic interpretation courses for both industry and academia, and has published numerous peer-reviewed publications, federal research reports, and university consortium documents pertaining to both freshwater and marine clastic systems, hydrates, martian sedimentology, and shale tectonics.

Wood holds a Bachelor of Science in Geology from Arkansas Tech University, and a Master of Science in Geology from the University of Arkansas, as well as a Ph.D. in Earth Resources from Colorado State University.

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\*NOTE TO THE READER: Chapters 1, 3, and 8 contain references to animations. These animations can be found on the CD located in the inside back cover of this book. In addition, all chapters of the book can be found on that CD, and where animations are referred to in Chapters 1, 3, and 8, there are direct links to those animations within the chapter .pdf file on the CD.