Seismic Geomorphology - an Overview

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Abstract

Seismic geomorphology, the extraction of geomorphic insights using predominantly 3D seismic data, is a rapidly evolving discipline that facilitates the study of the subsurface using plan view images. A variety of analytical techniques is employed to image and visualize depositional elements and other geologically significant features. This volume presents key technical papers presented at a recent research conference – Seismic Geomorphology Conference (February 10-11, 2005), co-sponsored by the Society for Sedimentary Geology and The Geological Society [London]. These papers cover a broad range of topics, from detailed depositional element analysis to big picture regional issues, from lithology prediction to diagenetic modification of the stratigraphic section. This discipline is only in its early stages of development and will henceforth expand rapidly in response to the growing availability to researchers of high-quality 3D seismic data.