## Contents

Preface vii  
Acknowledgments ix  
Overview  
POSAMENTIER, H. W., DAVIES, R. J., CARTWRIGHT, J. A. & WOOD, L. Seismic geomorphology – an overview 1  

### Back to Basics  
ZENG, H. Seismic imaging for seismic geomorphology beyond the seabed: potential and challenges 15  
SIMMS, A. R., ANDERSON, J. B., MILLIKEN, K. T., Taha, Z. P. & WELLNER, J. S. Geomorphology and age of the Oxygen isotope stage 2 (last lowstand) sequence boundary on the northwestern Gulf of Mexico continental shelf 29  
HADLER-JACOBSEN, F., GARDNER, M. H. & BORER, J. M. Seismic stratigraphic and geomorphic analysis of deep-marine deposition along the West African continental margin 47  
CRUMEYROLLE, P., RENAUD, I. & SUITER, J. The use of two- and three-dimensional seismic to understand sediment transfer from the fluvial to deepwater via sinuous channels: example from the Mahakam shelf and comparison with outcrop data (south central pyrenees) 85  

### Data Interrogation Strategies  
RABELO, I. R., LUTHI, S. M. & VAN VLIEET, L. J. Parameterization of meander-belt elements in high-resolution three-dimensional seismic data using the Geo Time cube and modern analogues 121  
HART, B. S. & SAGAN, J. A. Curvature for Visualization of seismic geomorphology 139  

### Sedimentary Environment Case Studies  
ANDREASSEN, K., ODEGAARD, C. M. & RAFAELSEN, B. Imprints of former ice streams, imaged and interpreted using industry three-dimensional seismic data from the south-western Barents Sea 151  
HANDFORD, C. R. & BARIA, L. Geometry and seismic geomorphology of carbonate shoreface clinoforms, Jurassic Smackover Formation, north Louisiana 171  
SULLIVAN, E. C., MARFURT, K. J. & BHUMENTRITT, C. Seismic Geomorphology of Palaeozoic collapse features in the Fort Worth Basin (USA) 187  
ETHRIDGE, F. G. & SCHUMM, S. A. Fluvial seismic geomorphology: a view from the surface 205  
GEE, M. J. R. & GAWTHORPE, R. L. Early evolution of submarine channels offshore Angola revealed by three-dimensional seismic data 223  
SCHWAB, A. M., TREMBLAY, S. & HURST, A. Seismic expression of turbidity-current and bottom-current processes on the Northern Mauritanian continental slope 237  
JACKSON, C. A. L. Application of three-dimensional seismic data to documenting the scale, geometry and distribution of soft-sediment features in sedimentary basins: an example from the Lomre Terrace, offshore Norway 253  

Index 269