Contents

Preface vii

Stratigraphy and sedimentary geology of siliciclastic shelves

MICHELSEN, O. & DANIELSEN, M. Sequence and systems tract interpretation of the epicontinental Oligocene deposits in the Danish North Sea 1

KONRADI, P. B. Foraminiferal biostratigraphy of the post-mid-Miocene in the Danish Central Trough, North Sea 15

JACOBS, P. & DE BATIST, M. Sequence stratigraphy and architecture on a ramp-type continental shelf: the Belgian Palaeogene 23

MELLERE, D. & STEEL, R. J. Tidal sedimentation in Inner Hebrides half grabens, Scotland: the Mid-Jurassic Bearreraig Sandstone Formation 49

SPALLETTI, L. Estuarine and shallow-marine sedimentation in the Upper Cretaceous – Lower Tertiary west-central Patagonian Basin (Argentina) 81

Modern siliciclastic shelves: architecture, sea level, tectonics and sediment supply

ANDERSON, J. B., ABDULAH, K., SARZALEJO, S., SIRINGAN, F. & THOMAS, M. A. Late Quaternary sedimentation and high-resolution sequence stratigraphy of the east Texas shelf 95

ERCILLA, G. & ALONSO, B. Quaternary siliciclastic sequence stratigraphy of western Mediterranean passive and tectonically active margins: the role of global versus local controlling factors 125

HERNÁNDEZ-MOLINA, F. J., SOMOZA, L. & REY, J. Late Pleistocene–Holocene high-resolution sequence analysis on the Alboran Sea continental shelf 139

CORREGGIARI, A., FIELD, M. E. & TRINCARDI, F. Late Quaternary transgressive large dunes on the sediment-starved Adriatic shelf 155

BART, P. J. & ANDERSON, J. B. Seismic expression of depositional sequences associated with expansion and contraction of ice sheets on the northwestern Antarctic Peninsula continental shelf 171


Nearshore and coastal environments

DOMINGUEZ, J. M. L. The São Francisco strandplain: a paradigm for wave-dominated deltas? 217

BARRIE, J. V. & CONWAY, K. W. Evolution of a nearshore and coastal macrotidal sand transport system, Queen Charlotte Islands, Canada 233

CLEARY, W. J., RIGGS, S. R., MARCY, D. C. & SNYDER, S. W. The influence of inherited geological framework upon a hardbottom-dominated shoreface on a high-energy shelf: Onslow Bay, North Carolina, USA 249

EITNER, V., KAISER, R. & NIEMEYER, H. D. Nearshore sediment transport processes due to moderate hydrodynamic conditions 267
New techniques in continental shelf research
DE MEIJER, R. J., TÁNCZOS, I. C. & STAPEL, C. Radiometry as a technique for use in coastal research 289
MISSIAEN, T., McGEE, T. M., PEARKS, D., OLLIER, G. & THEILEN, F. An interdisciplinary approach to the evaluation of physical parameters of shallow marine sediments 299
DAVIS, A. M. Geophysics in offshore site investigation: a review of the state of the art 323

Index 339