Contents

Preface vii
Acknowledgements viii


BLUM, M. Organization and reorganization of drainage and sediment routing through time: the Mississippi River system 15


YESTE, L. M., HENARES, S., McDougall, N., GARCÍA-GARCÍA, F. & VISERAS, C. Towards the multi-scale characterization of braided fluvial geobodies from outcrop, core, ground-penetrating radar and well log data 73

DAL’ BÓ, P. F., SOARES, M. V. T., BASILICI, G., RODRIGUES, A. G. & MENEZES, M. N. Spatial variations in distributive fluvial system architecture of the Upper Cretaceous Marília Formation, SE Brazil 97


BEST, J. & FIELDING, C. R. Describing fluvial systems: linking processes to deposits and stratigraphy 151

DE OLIVEIRA, E. C., PLA-PUEYO, S. & HACKNEY, C. R. Natural and anthropogenic influences on the Nhecolândia wetlands, SE Pantanal, Brazil 167


PATIDAR, S., ALLEN, D., HAYNES, R. & HAYNES, H. Stochastic modelling of flow sequences for improved prediction of fluvial flood hazards 205


CORBETT, P. W. M. & DUARTE, G. L. B. Understanding subsurface fluvial architecture from a combination of geological well test models and well test data 237

KIUWAIMA, J. I., FAN, F. M., SCHWANENBERG, D., REES, A. A. D., NIEMANN, A. & MAUAD, F. F. Climate change, water-related disasters, flood control and rainfall forecasting: a case study of the São Francisco River, Brazil 259

ADELOYE, A. J. & SOUNDHARAJAN, B.-S. Effect of dynamically varying zone-based hedging policies on the operational performance of surface water reservoirs during climate change 277

Index 291