

# Contents

List of Contributors	vii
Preface	ix

## Part 1 Deformation processes and deformation analysis

Chapter 1 Ductile deformation processes P. F. Williams, L. B. Goodwin and S. Ralser	1
Chapter 2 Palaeostrain analysis R. J. Lisle	28
Chapter 3 Brittle crack propagation T. Engelder	43
Chapter 4 Fault slip analysis and palaeostress reconstruction J. Angelier	53
Chapter 5 Palaeostress analysis of small-scale brittle structures W. M. Dunne and P. L. Hancock	101
Chapter 6 Linked fault systems; extensional, strike-slip and contractional I. Davison	121
Chapter 7 Prelithification deformation A. Maltman	143
Chapter 8 Advances in salt tectonics M. P. A. Jackson and C. J. Talbot	159

## Part 2 Deformation styles and tectonic settings

Chapter 9 Arc-trench tectonics J. Charvet and Y. Ogawa	180
Chapter 10 Craton tectonics, stress and seismicity R. G. Park and W. Jaroszewski	200
Chapter 11 Continental extensional tectonics A. Roberts and G. Yielding	223
Chapter 12 Continental strike-slip tectonics N. H. Woodcock and C. Schubert	251

Chapter 13	Continental collision M. Coward	264
Chapter 14	Inversion tectonics M. Coward	289
Chapter 15	Suspect terranes W. Gibbons	305
Chapter 16	Tectonosedimentation: with examples from the Tertiary-Recent of southeast Japan K. T. Pickering and A. Taira	320
Chapter 17	Archaean tectonics J. S. Myers and A. Kröner	355
Chapter 18	Neotectonics I. S. Stewart and P. L. Hancock	370
Thematic Index		411