

# Kinematic Evolution and Structural Styles of Fold-and-Thrust Belts

Edited by

**J. Poblet and R. J. Lisle**



Fold-and-thrust belts occur worldwide, have formed in all eras of geological time, and are widely recognized as the most common mode in which the crust accommodates shortening. Much current research on the structure of fold-and-thrust belts is focused on structural studies of regions or individual structures and on the geometry and evolution of these regions employing kinematic, mechanical and experimental modelling. In keeping with the main trends of current research, this title is devoted to the kinematic evolution and structural styles of a number of fold-and-thrust belts formed from Palaeozoic to Recent times. The papers included in this book cover a broad range of different topics, from modelling approaches to predict internal deformation of single structures, 3D reconstructions to decipher the structural evolution of groups of structures, palaeomagnetic studies of portions of fold-and-thrust belts, geometrical and kinematical aspects of Coulomb thrust wedges and structural analyses of fold-and-thrust belts to unravel their sequence of deformations.

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## Cover illustration:

Folded repetitions of Devonian limestones caused by thrust-sheet stacking and related folds in the Somiedo thrust sheet within the Cantabrian Zone, which is the foreland fold-and-thrust belt of the Variscan orogen in NW Iberian Peninsula. Photograph by Josep Poblet

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