



# Geodynamics of Tibet and the Himalayas

By Hetényi, György

Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Geophysical advances from imaging and modelling | The Himalaya-Tibet system is considered as the classical case of continental collision. Nonetheless, some fundamental questions concerning its structure, as well as physical processes influencing its evolution are still pending. This book presents several advances in the subject matter. Based on new high-resolution geophysical data from the field, combined with robust imaging techniques, the structure of the collision is revealed in detail: the underplating of India beneath half of Tibet, as well as the geometry of the surface along which this happens. Various numerical modelling techniques allow to discuss physical processes at work in the collision zone, such as the rheology of the India plate whose strong mantle supports the Himalayas, or the metamorphic reactions at depth emphasizing the role of water. We recommend this book to Earth Scientists in a broader sense. While specialists in seismology or modelling can thumb technical details, all Readers can get an interdisciplinary overview of mountain building in the Himalayas, with a retrospective outlook on early day explorers and the dawn of some classical geological principles. | Format: Paperback | Language/Sprache: english | 557 gr | 220x150x21 mm |...



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