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Autore	Markoski Blagoja
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Disciplina	910.285
Soggetti	Geographical information systems Geophysics Landscape ecology Regional planning Urban planning Forestry Politics and war Geographical Information Systems/Cartography Geophysics/Geodesy Landscape Ecology Landscape/Regional and Urban Planning Military and Defence Studies
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Foreword -- Introduction -- Earth as Celestial Body -- Physical Characteristics of Land -- Representation of Land on Maps -- Mathematical Elements -- Scale -- Map Frames -- Hydrographic Elements -- Land and Vegetation -- Settlements -- Objects on Maps -- Communication as an Element of Maps -- Borders -- Geographical Names -- Coordinates -- Orientation in the Geographic Space -- Aerophotogrammetric and Satellite Images -- Mapping and Mapping of Vegetative Communities -- Literature -- Cartographic Signs -- Topographic Key.

This book gives a comprehensive overview of all relevant elements in topography and their practical application. It elaborates on the classical representation of terrain on maps such as cartographic projections, together with their classification, scale, and geographical elements. It is richly illustrated with photographs, maps and figures, in which the theoretical explanations are clarified. Readers will become acquainted with the physical characteristics of the ground, i.e. tectonic and erosive shapes, the importance and classification of terrain, genetic (fluvial, abrasive, glacial, karst) and topographic types such as higher (mountains, hills, peaks) and lower terrain (valleys, fields). In addition, the book discusses cartometry and coordinate systems, orientation in space (geographic, topographic, tactical) including by means of maps, instruments and the night sky and elaborates new techniques and technologies such as aerial photogrammetric imagery, global navigation satellite systems and LiDAR. The book also includes methods for the practical execution of concrete measurement operations, such as determining position and movement on land with maps, compass and azimuth which makes it especially useful for practitioners and professionals, e.g., for landscape planning, military exercises, mountaineering, nature walks etc. As such it offers a valuable guide not only for undergraduate students but also for researchers in the fields of geography, geosciences, geodesy, ecology, forestry and related areas looking for an overview on topography. Uniquely, the book also features an extensive glossary of topographical terms.
