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Descrizione fisica	1 online resource (602 pages)
Collana	Lecture Notes in Civil Engineering, , 2366-2565 ; ; 304
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Nota di contenuto	Chapter 1: Comparison of DEM generated from UAV images and ICESat-1 Elevation Datasets with an assessment of the Cartographic Potential of UAV-based Sensor Datasets -- Chapter 2: UAV to Cadastral Parcel Boundary Translation and Synthetic UAV Image Generation Using Conditional-Generative Adversarial Network -- Chapter 3: UAV-based terrain-following mapping using LiDAR in high undulating catastrophic areas -- Chapter 4: Forest Fire Detection from UAV Images using Fusion of Pre-trained Mobile CNN Features -- Chapter 5: Deep Learning-based Improved Automatic Building Extraction from Open-Source High-Resolution Unmanned Aerial Vehicle (UAV) Imagery.
Sommario/riassunto	This volume gathers the latest advances, innovations, and applications in the field of geographic information systems and unmanned aerial vehicle (UAV) technologies, as presented by leading researchers and engineers at the 2nd International Conference on Unmanned Aerial System in Geomatics (UASG), held in Roorkee, India on April 2-4, 2021. It covers highly diverse topics, including photogrammetry and remote sensing, surveying, UAV manufacturing, geospatial data sensing, UAV processing, visualization, and management, UAV applications and regulations, geo-informatics and geomatics. The contributions, which were selected by means of a rigorous international peer-review process, highlight numerous exciting ideas that will spur novel

research directions and foster multidisciplinary collaboration among different specialists.
