Record Nr. UNINA9910254610603321 Autore Li Chunlai **Titolo** The Chang'E-1 Topographic Atlas of the Moon / / by Chunlai Li, Jianjun Liu, Lingli Mu, Xin Ren, Wei Zuo Pubbl/distr/stampa Berlin, Heidelberg:,: Springer Berlin Heidelberg:,: Imprint: Springer, , 2016 **ISBN** 3-662-48439-0 Edizione [2nd ed. 2016.] Descrizione fisica 1 online resource (245 p.) 530 Disciplina Soggetti Astronomy Solar system Aerospace engineering **Astronautics** Planetary science Geographic information systems Astronomy, Observations and Techniques Space Physics Aerospace Technology and Astronautics Planetary Science Geographical Information System Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di contenuto Part I Introduction of the CCD Stereo Camera -- Part II Global topographic map of the Moon by CD-1 -- Part III Subdivision

topographic maps of the Moon.- Appendix - Gazetteer.

Sommario/riassunto This atlas is based on the lunar global Digital Elevation Models (DEM) of

> Chang'E-1 (CE-1), and presents CCD stereo image data with digital photogrammetry. The spatial resolution of the DEM in this atlas is 500m, with horizontal accuracy of 192m and vertical accuracy of 120m. Color-shaded relief maps with contour lines are used to show the lunar topographical characteristics. The topographical data gathered by CE-1

can provide fundamental information for the study of lunar

topographical, morphological and geological structures, as well as for