

1. Record Nr.	UNINA9910337906803321
Autore	Carroll Michael
Titolo	Antarctica: Earth's Own Ice World / / by Michael Carroll, Rosaly Lopes
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2019
ISBN	3-319-74624-3
Edizione	[1st ed. 2019.]
Descrizione fisica	1 online resource (VIII, 189 p. 98 illus., 91 illus. in color.)
Collana	Popular Science, , 2626-6113
Disciplina	500
Soggetti	Nature Ecology Space sciences Planetary science Popular Science in Nature and Environment Polar Geography Space Sciences (including Extraterrestrial Physics, Space Exploration and Astronautics) Planetology Polar regions
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Introduction: Beginnings of an Adventure -- Chapter 1: The Lure of the Poles -- Chapter 2: The Mountain and Its Madness -- Chapter 3: First Step: Getting There -- Chapter 4: Second Step: McMurdo -- Chapter 5: Working on the Edge -- Chapter 6: Our Voyage Up the Mountain -- Chapter 7: Landscapes on This and Other Worlds -- Chapter 8: Future Explorations -- Chapter 9: Journal Entries -- Glossary -- Assorted Landmarks -- Index.
Sommario/riassunto	In 2016, scientist Rosaly Lopes and artist Michael Carroll teamed up as fellows of the National Science Foundation to travel to Mount Erebus, the world's southernmost active volcano in Antarctica. The logistics of getting there and complex operations of Antarctica's McMurdo Station echo the kinds of strategies that future explorers will undertake as they set up settlements on Mars and beyond. This exciting popular-level book explores the arduous environment of Antarctica and how it is

similar to other icy worlds in the Solar System. The bulk of this story delves into Antarctica's infrastructure, exploration, and remote camps, culminating on the summit of Erebus. There, the authors explored the caves and ice towers on the volcano's flanks, taking photographs and generating original art depicting scenes in Antarctica and terrestrial analogs on other planets and moons. Readers will see an intimate side of Mount Erebus and Antarctica while surveying the region's history, exploration, geology, and volcanology, which includes research funded by the National Science Foundation's United States Antarctic Programs. Richly illustrated with photographs and stunning paintings showcasing the beauty of the harsh continent, the book captures the spirit and splendor of the authors' journey to Erebus.
