Record Nr. UNINA9911021965603321 Autore **Brodie David** Titolo Ice, Rock, and Beauty: The Myriad Objects of the Solar System / / by **David Brodie** Cham:,: Springer Nature Switzerland:,: Imprint: Springer,, 2025 Pubbl/distr/stampa **ISBN** 9783031898976 9783031898969 Edizione [2nd ed. 2025.] Descrizione fisica 1 online resource (228 pages) Collana Popular Astronomy, , 2626-8779 Disciplina 523.2 Soggetti Astronomy Planetary science Astronomy, Observations and Techniques Astronomy, Cosmology and Space Sciences Planetary Science Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Chapter 1: Solar System -- Chapter 2: Dwarf Planets -- Chapter 3: Nota di contenuto Moons -- Chapter 4: Asteroids -- Chapter 5: Comets -- Chapter 6: NASA -- Chapter 7: Space missions -- Chapter 8: Kuiper belt --Chapter 9: New Horizons mission -- Chapter 10: Juno mission --Chapter 11: Insight mission -- Chapter 12: Dawn mission -- Chapter 13: Rosetta mission. The wonders of the moons and planets of the Solar System have Sommario/riassunto captivated people across the world for generations... but now we can experience so much more of the Sun's corner of the cosmos – our home among the stars. The richness of images – dwarf planets, moons, asteroids, comets, and planetary rings, all the way out to the Kuiper

Belt and the icy bodies of the Oort Cloud – has only become richer since the onset of space exploration and since the first edition of this book! The evolution of images of Pluto, for one, from the faintest dot through to the fantastic surface detail revealed by NASA's New Horizons mission is just one of the breakthrough stories from the last decade and featured in this book. The book also explores the most recent NASA imagery of the moons of Saturn, such as Enceladus with its

fountains of ice bursting from inner oceans, and of oily lakes seen through Titan's hazy atmosphere. Additionally, this updated and extended edition features new models of the pathways of huge numbers of asteroids, intimate close-ups of comets, and colorful representations of the subtle gravitational variations across the surface of our own companion, the Moon. There is indeed a vast diversity of ice and rock, and certainly a whole lot of newly discovered beauty waiting to be explored, by you, in every chapter.