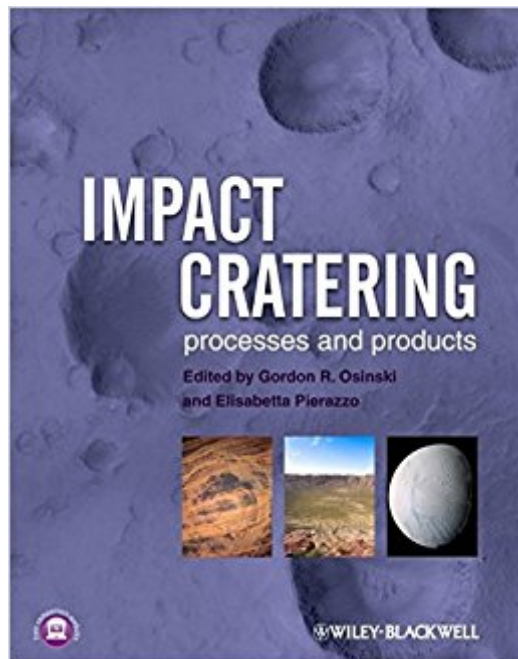




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Impact Cratering: Processes And Products



Synopsis

Impact cratering is arguably the most ubiquitous geological process in the Solar System. It has played an important role in Earth's history, shaping the geological landscape, affecting the evolution of life, and generating economic resources. However, it was only in the latter half of the 20th century that the importance of impact cratering as a geological process was recognized and only during the past couple of decades that the study of meteorite impact structures has moved into the mainstream. This book seeks to fill a critical gap in the literature by providing an overview text covering broad aspects of the impact cratering process and aimed at graduate students, professionals and researchers alike. It introduces readers to the threat and nature of impactors, the impact cratering process, the products, and the effects – both destructive and beneficial. A series of chapters on the various techniques used to study impact craters provide a foundation for anyone studying impact craters for the first time.

Book Information

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"I fully recommend this book to anyone interested in impacts and their geological influence. Impact Cratering is first class, fascinating reading to the expert, I am sure, as well as the novice (like your reviewer), and destined to be the standard reference for years to come." (Geological Journal, 4 April 2014) "This book is now the single best starting point for anyone interested in almost any aspect of impact cratering. Summing Up: Highly recommended. Upper-division undergraduates and above." (Choice, 1 November 2013)

Impact cratering is arguably the most ubiquitous geological process in the Solar System. It has played an important role in Earth's history, shaping the geological landscape, affecting the evolution of life, and generating economic resources. However, it was only in the latter half of the 20th century that the importance of impact cratering as a geological process was recognized and only during the past couple of decades that the study of meteorite impact structures has moved into the mainstream. This book seeks to fill a critical gap in the literature by providing an overview text covering broad aspects of the impact cratering process and aimed at graduate students, professionals and researchers alike. It introduces readers to the threat and nature of impactors, the impact cratering process, the products, and the effects – both destructive and beneficial. A series of chapters on the various techniques used to study impact craters provide a foundation for anyone studying impact craters for the first time.

This book is an outstanding introduction to the emerging science of impact cratering. I bought the Kindle version which is a beautifully rendered digital copy of the paper version; all of the colored illustrations are reproduced in high fidelity and those illustrations are well chosen to show the reader the kinds of terrestrial and extra terrestrial impacts that scientists used to develop their theories. The editors employ clear well stated summaries of the important concepts in the chapters that follow so for someone who wants in overview you can just read the introductions. But if your interest goes beyond that to graduate school level rigor and reference lists it's all here. This has my highest possible recommendation

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