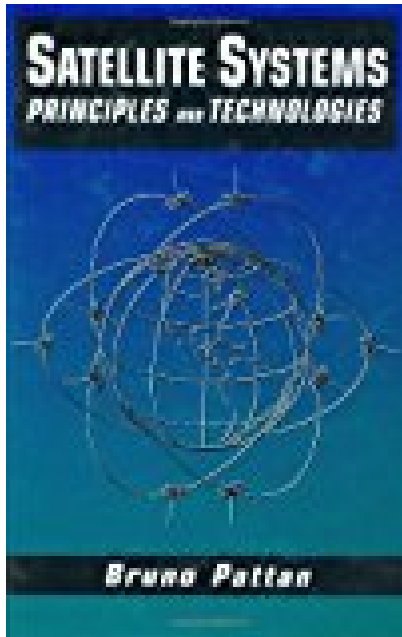


# Satellite Systems Principles and technologies

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## BOOK DETAILS

- Author : Bruno Pattan
- Pages : 406 Pages
- Publisher : Springer
- Language : English
- ISBN : 0442013574

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## BOOK SYNOPSIS

This reader-friendly resource covers the broad spectrum of satellite principles and their associated technologies. While other books limit their coverage to specialized services or to satellite payloads such as communication satellites, *Satellite Systems* focuses upon the methodology of launching satellites, keeping them there, the environments under which they operate, and other facets particular to their operation. *Satellite Systems* takes a detailed, elaborate approach that does not assume that the reader is versed in esoteric mathematics. *Satellite Systems* is specific enough to be a valuable working-tool to scientists and engineers in related fields, yet general enough to be accessible to students and interested lay people. *Satellite Systems* thoroughly explores the concepts and technologies of satellite systems in simple, direct terms. *Satellite Systems* includes precise coverage of: \*various orbits and the services they provide \*international launch of vehicles and launch sites \*phased array antennas for satellite network applications \*mobile satellite services from land vehicles, aircraft, and ships \*low orbit satellites for telecommunication and position determination applications \*international frequency allocations for satellite control, payload management, and status \*geometric relationships between satellite and Earth stations used in interference analysis, orbit determination, and location \*the hostile environments in which satellites operate and cope \*and much more *Satellite Systems* is a self-contained, extensive introduction that offers professionals and advanced undergraduate and graduate students of satellite systems the tools they need for in-depth understanding of the complexities of the subject. It is ideal as both a reference and a training text for engineers, technicians, communication lawyers, weather professionals, telecommunications experts, students, and anyone interested in satellites and satellite technology.

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