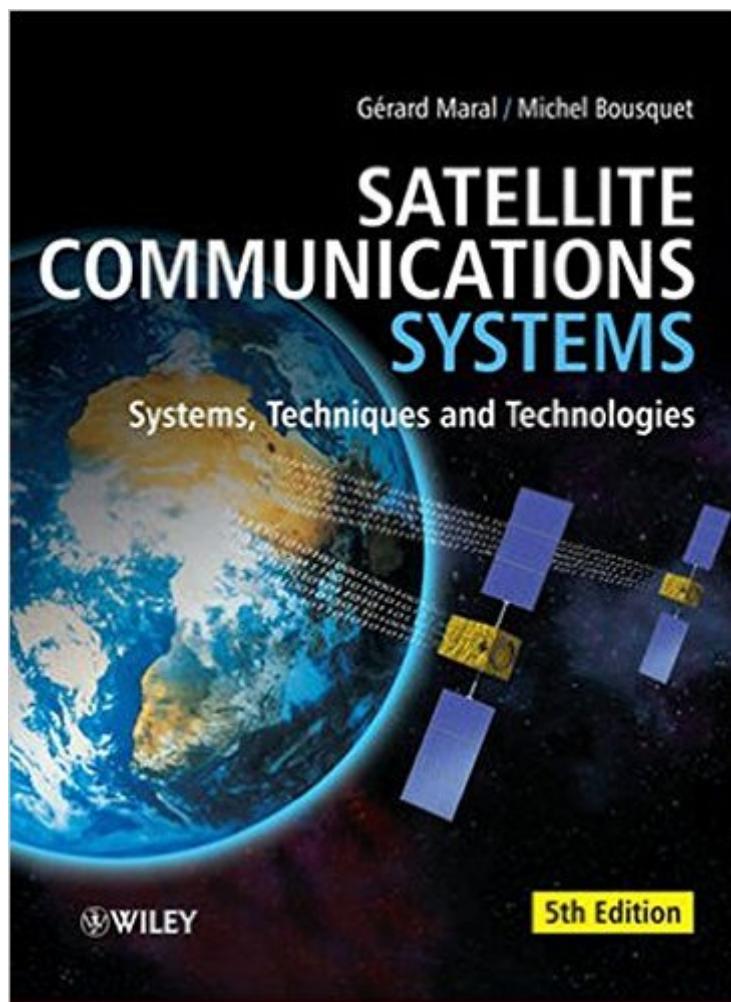


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# Satellite Communications Systems: Systems, Techniques And Technology



## Synopsis

Revisions to 5th Edition by: Zhili Sun, University of Surrey, UK New and updated edition of this authoritative and comprehensive reference to the field of satellite communications engineering Building on the success of previous editions, *Satellite Communications Systems*, Fifth Edition covers the entire field of satellite communications engineering from orbital mechanics to satellite design and launch, configuration and installation of earth stations, including the implementation of communications links and the set-up of the satellite network. This book provides a comprehensive treatment of satellite communications systems engineering and discusses the technological applications. It demonstrates how system components interact and details the relationship between the system and its environment. The authors discuss the systems aspects such as techniques enabling equipment and system dimensioning and state of the art technology for satellite platforms, payloads and earth stations. New features and updates for the fifth edition include: More information on techniques allowing service provision of multimedia content Extra material on techniques for broadcasting, including recent standards DVB-RCS and DVB-S2 (Digital Video Broadcasting -Return Channel Satellite and -Satellite Version 2) Updates on onboard processing By offering a detailed and practical overview, *Satellite Communications Systems* continues to be an authoritative text for advanced students, engineers and designers throughout the field of satellite communications and engineering.

## Book Information

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## Customer Reviews

Looking for a detailed but straight forward way to learn about satellite communication systems? Maybe your a student looking for study support material on this subject? Well you just found the ultimate book! Maral et al have put together an excellent step by step approach to understanding this complex subject. The space and ground segments get equal detailed treatment with system design methods and analysis of all the components. This leads to a walk through of link budget calculation including examples with specific technical objectives. If I could only have one Satellite Comms book then this is it!

The book contains a lot of useful information for people working in the satellite communications area. The english could be better maybe because this is a translation from the french. All in all a good reference.

If you are really interested to understand the satellite systems, and this is the best of the books for you. The book give you a lot of in deep information of the satellite system and have a lot of calculation. The calculation is not easy to understand at all, so this book is not good for the beginner.

I'm a telecommunications engineer and want to know more about satellite communications and i just find the way. This book has a good way to learn about this communication system.

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