

1. Record Nr.	UNINA9910454852203321
Titolo	Doppler applications in LEO satellite communication systems [[electronic resource] /] / by Irfan Ali ... [et al.]
Pubbl/distr/stampa	Boston, : Kluwer Academic Publishers, c2002
ISBN	1-280-20033-2 9786610200337 0-306-47546-4
Edizione	[1st ed. 2002.]
Descrizione fisica	1 online resource (126 p.)
Collana	The Kluwer international series in engineering and computer science ; ; 656
Altri autori (Persone)	Alilrfan <1965->
Disciplina	621.382/38
Soggetti	Artificial satellites in telecommunication Doppler effect Signal processing Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	"CD-ROM included."
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Little LEO Satellites -- Doppler Characterization -- Doppler Estimation at Terminals -- Satellite Visibility Prediction -- Doppler Based Multiple Access -- Doppler for Power Control -- DBMA Simulation Software.
Sommario/riassunto	Doppler Applications in LEO Satellite Communication Systems develops and presents an important class of techniques useful in the construction of little Low Earth Orbit (LEO) satellite communication systems. It centers on the very significant Doppler shift that attends communications through a LEO satellite and shows how this phenomenon can be exploited for an unexpected benefit. The techniques taught in the book are expected to be particularly attractive to system engineers because ground-based transceivers must generally compensate for the large Doppler component and therefore the necessary receiver processing loops are often already in place and expensed. This volume starts with a recounting of the characteristics of a LEO satellite and its orbit. The 2nd chapter addresses the LEO orbital geometry and reviews the Doppler effect attending LEO communications. Chapter three is focused on the important task of

estimating the Doppler at a ground terminal. Appropriate signal processing algorithms are reviewed. Chapter four is concerned with predicting LEO satellite visibility. Chapters five and six are, respectively, devoted to the use of the significant LEO Doppler as an aid in a new traffic flow control protocol and as an aid for effecting communications power control. The last chapter describes MATLAB® based analysis. Doppler Applications in LEO Satellite Communication Systems provides a thorough review of the LEO Doppler phenomenon.

2. Record Nr.	UNISALENTO991003246049707536
Autore	Comitato di studio dei problemi della scuola e dell'università italiana
Titolo	I laureati in Italia / Comitato di studio dei problemi della scuola e dell'università italiana
Pubbl/distr/stampa	Bologna : Il mulino, 1969
Descrizione fisica	525 p. ; 21 cm.
Collana	Problemi della società italiana ; 28
Disciplina	301.44
Soggetti	Laureati - Italia - Inchieste
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia