

1. Record Nr.	UNINA9910317750503321
Autore	Reinhard H. Knöchel
Titolo	Ultra-wideband radio technologies for communications, localization and sensor applications
Pubbl/distr/stampa	IntechOpen, 2013 Rijeka, Croatia : , : IntechOpen, , 2013 ©2013
ISBN	953-51-6311-6
Descrizione fisica	1 online resource (514 pages)
Disciplina	621.3
Soggetti	TECHNOLOGY & ENGINEERING / Mobile & Wireless Communications
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Ultra-Wideband Radio (UWB) earmarks a new radio access philosophy and exploits several GHz of bandwidth. It promises high data rate communication over short distances as well as innovative radar sensing and localization applications with unprecedented resolution. Fields of application may be found, among others, in industry, civil engineering, surveillance and exploration, for security and safety measures, and even for medicine. The book considers the basics and algorithms as well as hardware and application issues in the field of UWB radio technology for communications, localization and sensing based on the outcome of DFG's priority-funding program "'Ultra-Wideband Radio Technologies for Communications, Localization and Sensor Applications (UKoLoS)'".