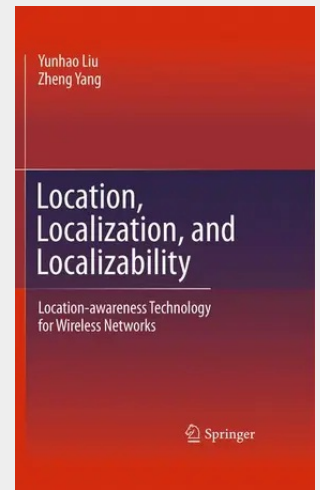


Location, Localization, and Localizability

Location-awareness Technology for Wireless Networks

This book reflects up-to-date research, fundamental theories, and key techniques of wireless localization technology and error-controlling techniques. It also presents and discusses the issue of localizability, as well as privacy issues associated with LBS. This book encompasses the significant and quickly growing area of wireless localization technology. It presents comprehensive and up-to-date research in both fundamental theories and key techniques of network localization. In addition to localization approaches, it also is the first book to address the issue of localizability. The privacy issue of LBS technology is also discussed.

Title: Location, Localization, Localizability Authors: Yunhao Liu Zheng Yang With the popularity of wireless networks, location-based service has become increasingly prevalent in our lives, and its applications range far and wide. For instance, E-911 in the United States, or corresponding E-112 in Europe, offers timely and accurate assistance to the emergency callers by locating them through mobile communications networks or GPS, and sensor network, a typical type of wireless ad-hoc networks, has shown great potential in environmental monitoring, industrial sensing, battlefield surveillance and more. Location, Localization, Localizability provides a comprehensive and in-depth look at location-awareness technology in today's popular wireless networks, but it does so in a way that is aware of the difficulty of organizing such information, given the obvious diversity of relevant networks. Therefore, from the perspective of application, the book focuses on wireless ad-hoc and sensor networks, in which the overwhelming majority of localization techniques are involved. It discusses a versatile array of techniques but also mentions other types of networks, such as WLAN and 3G mobile. In addition, this book is organized around three step-by-step themes: location, localization, and localizability. It first addresses location-based applications because those are closest to our daily lives. It then details localization approaches in-depth before covering other advanced topics such as localizability and location privacy. Aimed at technicians and practitioners in the industry of Real-Time Location Systems, this guidebook covers many localization algorithms in-depth while making their design and analysis accessible. Each chapter ends with a summary or comparative study, providing a bigger picture and facilitating understanding.



106,99 €
99,99 € (zzgl. MwSt.)

Nicht mehr lieferbar

Artikelnummer: 9781441973702
Medium: Buch
ISBN: 978-1-4419-7370-2
Verlag: Springer Netherlands
Erscheinungstermin: 10.11.2010
Sprache(n): Englisch
Auflage: 1. Auflage. 2010
Produktform: Gebunden
Gewicht: 910 g
Seiten: 154
Format (B x H): 155 x 235 mm

