Essentials of Positioning and Location Technology

Mystified by locating and positioning technologies? Need to get the best from your location system? This guide is invaluable for understanding how the positions and movements of objects can be measured and used for real-world applications. From it, you’ll learn how to optimise and manage system performance by working with parameters such as velocity, orientation, time, proximity and direction, and consider not only accuracy, but also reliability, integrity, response time and uncertainty.

Packed with practical examples, this concise book gives you an overview of terrestrial radiolocation techniques, including comparative system architectures and real-world performance and limitations. It describes inertial navigation principles and techniques, including low-cost MEMS sensors for consumer products, and a range of applications, such as those benefiting from hybrid positioning techniques.

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Essentials of Positioning and Location Technology

David Bartlett

Omnisense, Cambridge
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'This is a comprehensive and approachable introduction to positioning systems that draws together in one book the wide variety in the subject. David Bartlett's no-nonsense style gives us the essence of complex and sometimes abstract ideas in an easily digestible form, backed up with plenty of references where the reader can find more information. I very much enjoyed reading the book, and think that experts and beginners alike can find here much to engage and inform.'

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