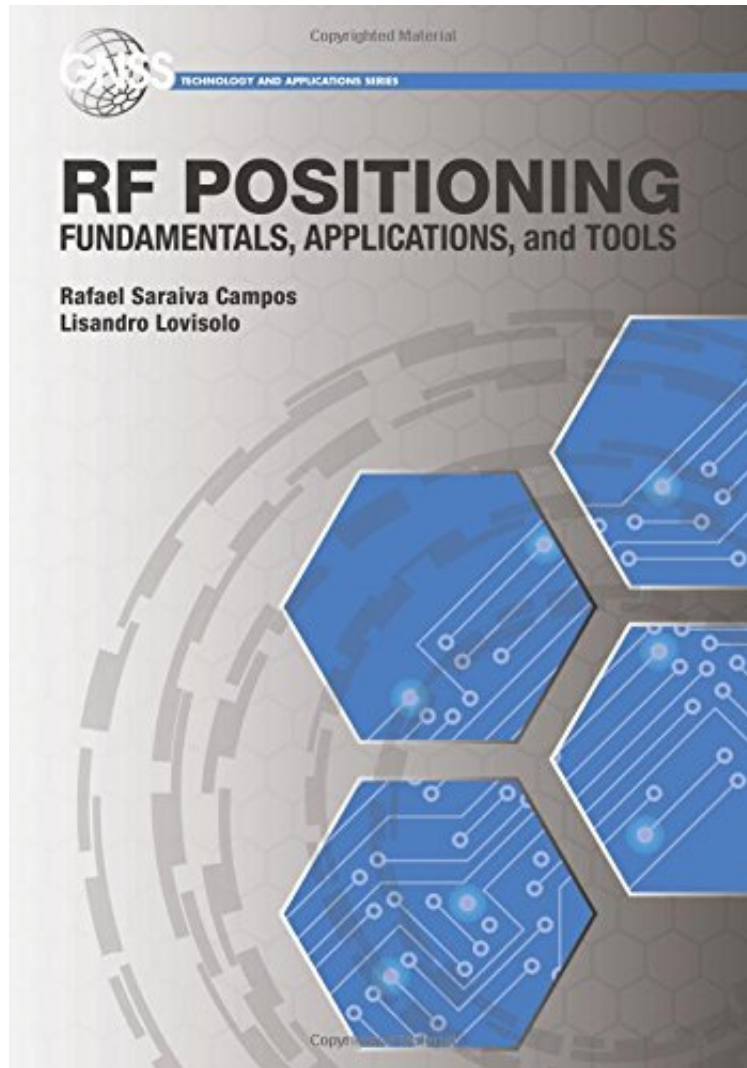


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RF Positioning: Fundamentals, Applications, and Tools (Gnss Technology and Applications)

Campos Saraiva Rafael
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This new resource presents a comprehensive view of radio-frequency (RF) positioning. The book is organized to allow readers to progress at a fast pace, from the fundamentals of RF positioning, to the use of advanced tools such as

artificial intelligence algorithms and application development environments. The first part of the book covers the fundamentals of RF localization. The second part addresses the application of those fundamentals in several types of wireless networks and technologies as Cellular Networks, Wi-Fi, Bluetooth, Sensor Networks, Ultra Wide Band, and Global Navigation Satellite Systems. The third part brings several tools to allow rapid development of positioning applications for mobile devices, as well as to support implementation, usage, deployment, and research of localization algorithms.

About the Author Rafael Saraiva Campos teaches calculus and linear algebra at the undergraduate computer engineering course at CEFET/RJ. He earned his M.Sc. in electronic engineering (artificial intelligence systems) in 2008 and is currently pursuing his Ph.D. in electronic engineering (signal processing). Lisandro Lovisolo is an associate professor in the department of electronics and communications engineering at the State University of Rio de Janeiro. He earned his D.Sc. in electrical engineering from Federal University of Rio de Janeiro in 2006.