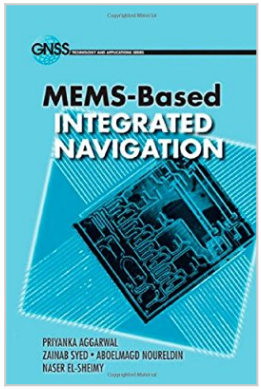

MEMS-Based Integrated Navigation (GNSS Technology and Applications)

By Priyanka Aggarwal, Zainab Syed, Aboelmagd Noureldin, Naser El-Sheimy

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Due to the micro-scale size and low power consumption of Microelectromechanical systems (MEMS) are now being utilized in a variety of fields. This leading-edge resource focuses on the application of MEMS inertial sensors to navigation systems. The book explains how to minimize cost by adding and removing inertial sensors. Moreover, this practical reference presents various integration strategies with examples from real field tests. From an introduction to MEMS navigation related applications to special topics on Alignment for MEMS-Based Navigation to discussions on the Extended Kalman Filter, this comprehensive book covers a wide range of critical topics in this fast-growing area.

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