

Distributed Fault-Tolerant Detection in Wireless Sensor Networks



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Reviews

This is the very best publication we have read through right up until now. It is one of the most incredible book we have read through. Once you begin to read the book, it is extremely difficult to leave it before concluding.
(Miss Celia Volkman)

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Condition: New. Publisher/Verlag: Scholar's Press | Event and Faulty Sensor Detection | Event detection, boundary detection, and faulty sensor detection are important research topics in wireless sensor networks. Finite power supplies and limited communication bandwidth within wireless sensor networks mean applications must use these resources efficiently. With that in mind, this book presents the concept of using minimal neighbor sensors in the detection process. This concept can be used when deploy sensors strategically in building sensor networks. Reliability of small sensors is questionable, especially when the sensors are deployed in harsh environments. This book will explore the ways to improve detection accuracy by incorporating sensor reliability explicitly in the fault-tolerant detection process. An adaptive detection system is also presented for event boundary detention. Finally, a hypothesis testing method is used for faulty sensor detection. | Format: Paperback | Language/Sprache: english | 88 pp.



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