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Security in Wireless Ad Hoc and Sensor Networks

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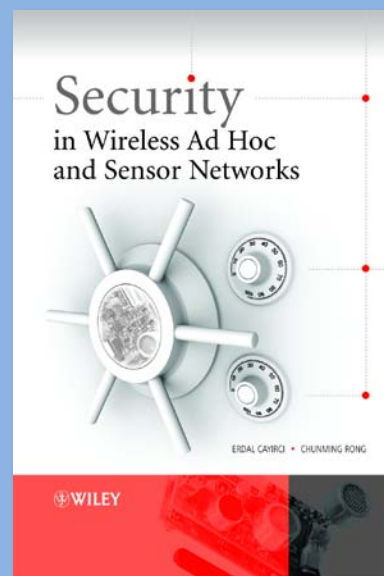
Chunming Rong University of Stavanger, Norway

This advanced book is a comprehensive guide to security issues in wireless ad hoc and sensor networks.

The book is organized into two main sections. The first, gives an introduction to the fundamentals and key issues related to wireless ad hoc networking, with an emphasis on security related issues. Part two offers an in depth discussion of security attacks and counter measures in wireless ad hoc and sensor networks.

Material includes a section on cryptographic primitives, and a chapter on electronic warfare. The authors also offer a clear exposition of various challenges and solutions including bootstrapping, key distribution and exchange, authentication issues, privacy, anonymity and tamper resilience.

The book contains various features to enhance learning, including problems at the end of each chapter, and heavy illustration with figures, tables and case studies.



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