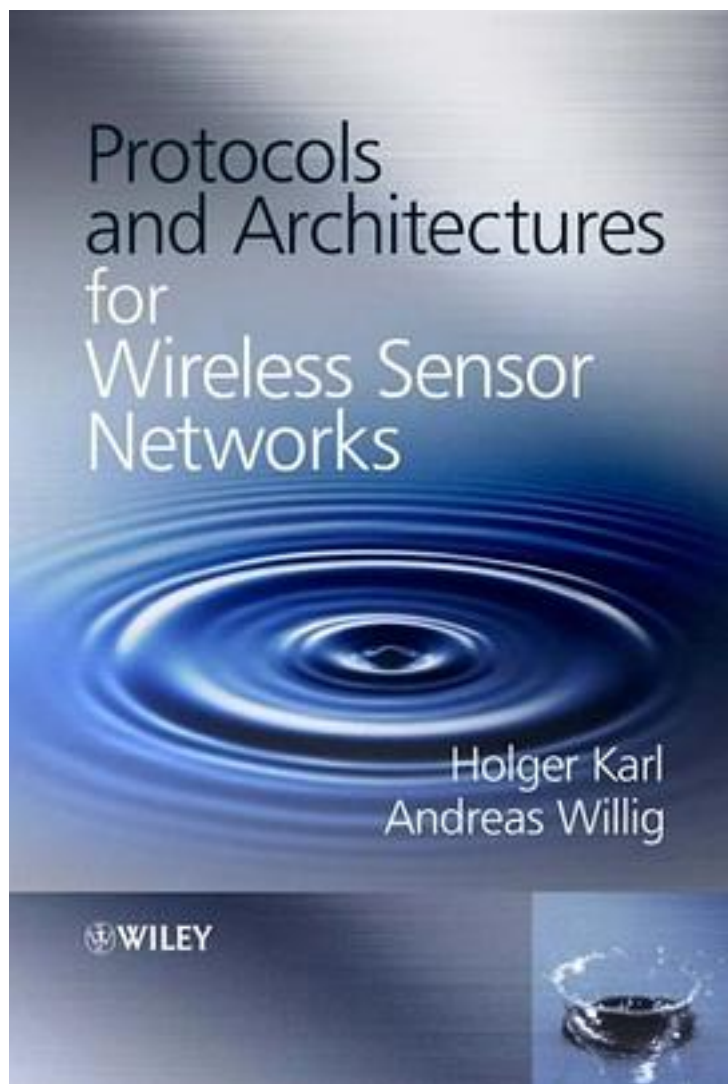


# Protocols and Architectures for Wireless Sensor Networks



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Wireless sensor networks will revolutionise applications such as environmental monitoring, home automation, and logistics.

Protocols and Architectures for Wireless Sensor Networks provides a thorough description of the most important issues and questions that have to be addressed in a wireless sensor network. Wireless sensor networks combine current research trends from a number of different disciplines &#8211; hardware design, information & signal processing, and communication networks to name but a few. This single resource makes the crucial aspects of these research fields accessible to the reader. The authors give an overview of the current state-of-the-art and put all the individual solutions into perspective with each other.

Protocols and Architectures for Wireless Sensor Networks:

Covers architectures and communications protocols in detail, illustrating solutions with practical implementation examples and case studies.

Provides an understanding of mutual relationships and dependencies between different protocols and architectural decisions.

Offers an in-depth investigation of relevant protocol mechanisms.

Shows which protocols are suitable for which tasks within a wireless sensor network and in which circumstances they perform efficiently.

This singular text provides academic researchers, graduate students in computer science, computer engineering, and electrical engineering, as well as practitioners in industry and research engineers, with an understanding of the specific design challenges and solutions for wireless sensor networks.

"I am deeply impressed by the book of Karl & Willig. It is by far the most complete source for wireless sensor networks...The book covers almost all topics related to sensor networks, gives an amazing number of references, and, thus, is the perfect source for students, teachers, and researchers. Throughout the book the reader will find high quality text, figures, formulas, comparisons etc. - all you need for a sound basis to start sensor network research." <blockquote dir="ltr"> <blockquote dir="ltr">

Prof. Jochen Schiller, Institute of Computer Science, Freie Universität Berlin  
</blockquote> </blockquote>

作者介绍:

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