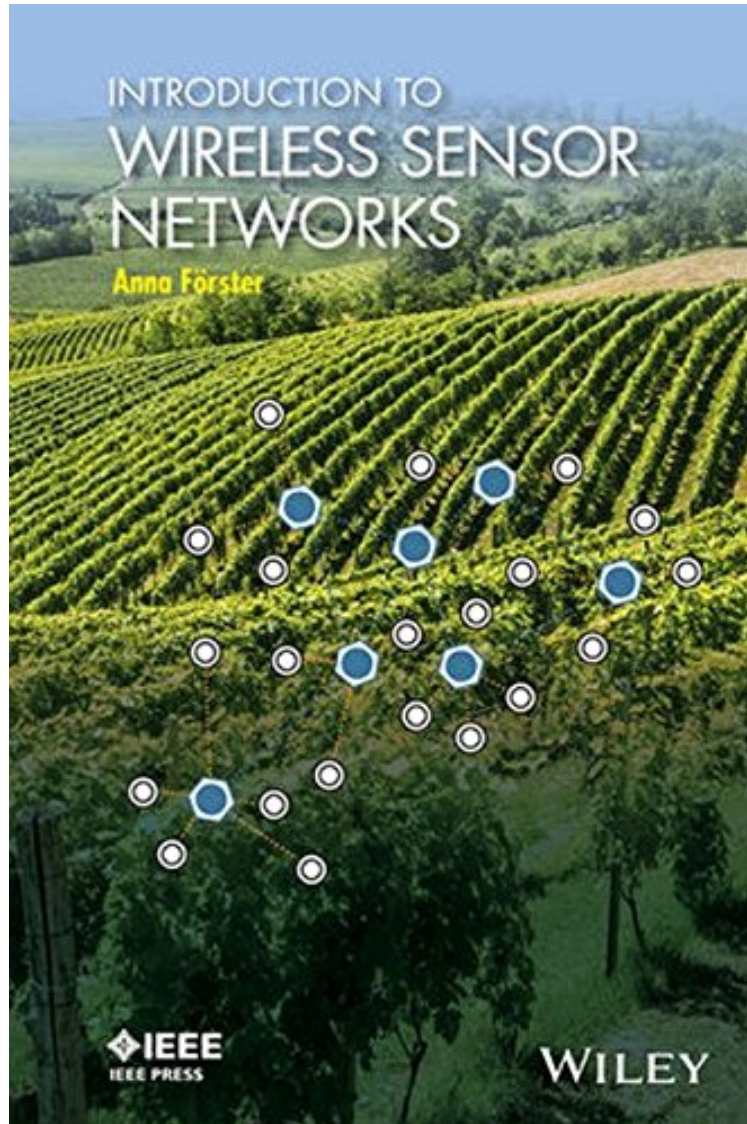


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Introduction to Wireless Sensor Networks (Wiley Desktop Editions)

Anna Frster

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Anna Frster : Introduction to Wireless Sensor Networks (Wiley Desktop Editions) before purchasing it in order to gage whether or not it would be worth my time, and all praised Introduction to Wireless Sensor Networks (Wiley Desktop Editions):

Explores real-world wireless sensor network development, deployment, and applications Presents state-of-the-art protocols and algorithms Includes end-of-chapter summaries, exercises, and references For students, there are

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From the Back CoverExplores real-world wireless sensor network development, deployment, and applications The book begins with an introduction to wireless sensor networks and their fundamental concepts. Hardware components, operating systems, protocols, and algorithms that make up the anatomy of a sensor node are described in chapter two. Properties of wireless communications, medium access protocols, wireless links, and link estimation protocols are described in chapter three and chapter four. Routing basics and metrics, clustering techniques, time synchronization and localization protocols, as well as sensing techniques are introduced in chapter five to nine. The concluding chapter summarizes the learnt methods and shows how to use them to deploy real-world sensor networks in a structured way. Presents state-of-the-art protocols and algorithms Includes end-of-chapter summaries, exercises, and references For students, there are hardware overviews, reading links, programming examples, and tests available at [website to follow] For Instructors, there are PowerPoint slides and solutions available at [website to follow] This book is intended for graduate and undergraduate students interested in learning about wireless sensor networks. Only minimal experience with programming and an understanding of basic computer science concepts is necessary to understand the material included in the book. Anna Frster is a Professor and Head of the Sustainable Communication Networks Group at the University of Bremen, Germany. She earned her MSc in Computer Science and Aerospace Engineering from the Free University of Berlin and her PhD from the University of Lugano, Switzerland. Her main research interests lie in the area of sustainable communication networks and their applications to sustainability. Her passion is teaching these topics, both to students and the general public.About the AuthorAnna Frsteris a Professor and Head of the Sustainable Communication Networks Group at the University of Bremen, Germany. She earned her MSc in Computer Science and Aerospace Engineering from the Free University of Berlin and her PhD from the University of Lugano, Switzerland. Her main research interests lie in the area of sustainable communication networks and their applications to sustainability. Her passion is teaching these topics, both to students and the general public.