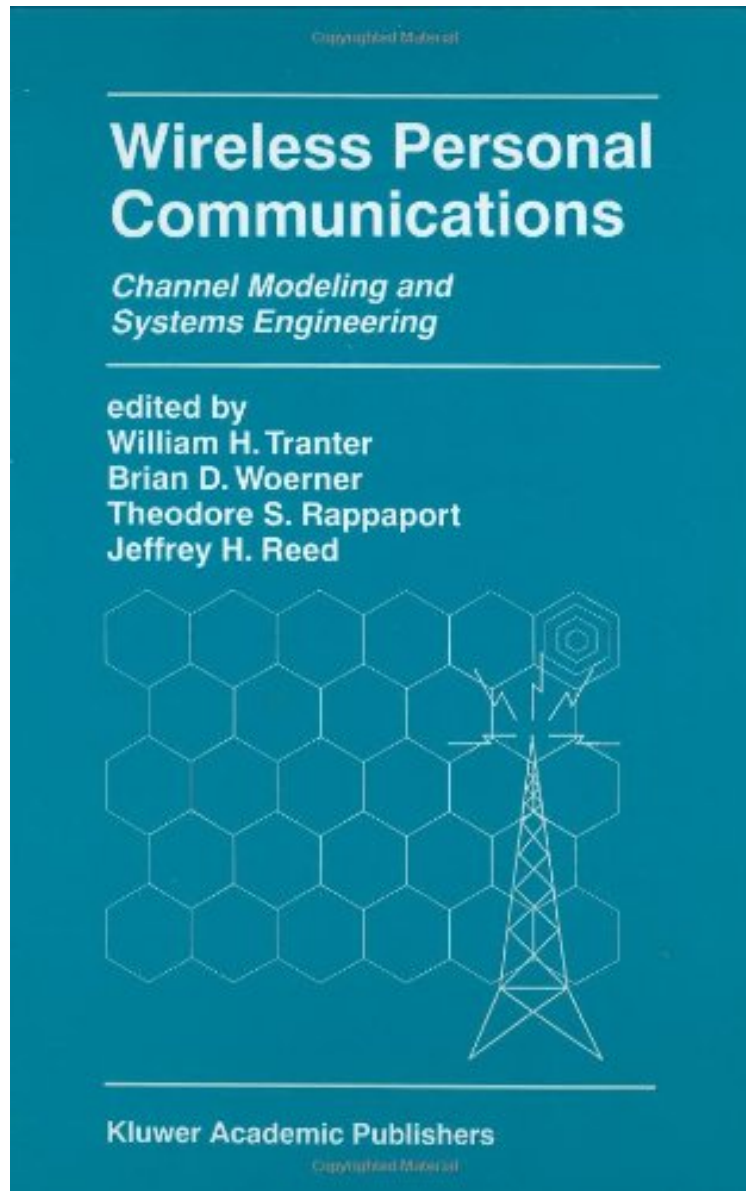


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before purchasing it in order to gauge whether or not it would be worth my time, and all praised *Wireless Personal Communications: Channel Modeling and Systems Engineering* (The Springer International Series in Engineering and Computer Science):

6 of 6 people found the following review helpful. Vast commercial potential in this field
By W Boudville
The field of wireless personal communications is experiencing rapid growth worldwide. Most clearly seen in the huge uptake of cellphones in Europe, Japan and, to a lesser extent, the United States and China. Plus, WiFi has taken off strongly in the developed world, with enhanced 802.11 standards being quickly solidified and adopted. This volume, as of its writing in 2000, describes much of the engineering and theoretical underpinning of this field. It does not have the 802.11 standards that came out after 2000, but much of the book is still very germane. There is no lack of research interest in this field, driven in no small part by the anticipation that nomadic computer and the rise of the pervasive Web have yet to occur. Still early days for those, we hope. The field contains tough issues, as may be seen in several papers in the book. In earlier decades, wireless communications were often to and from antennas at fixed locations, with ample power. Or, if the antennas were mobile, like on planes, usually power was not a consideration. Nor the possible maximum length of the antennas. But in modern personal mobile uses, the constraints are far tighter. Power must be minimized, and you cannot draw out a one meter antenna. Which gives great potential for researchers like yourself to invent and commercialise new applications, if you can overcome these challenges, aided perhaps by ideas in this book!

The papers appearing in this book were originally presented at the 9 Virginia Tech/MPRG Symposium on Wireless Personal Communications. The Symposium on Wireless Communications, which is an annual event for Virginia Tech, was held on June 2-4, 1999. The 1999 symposium was co-sponsored by MPRG, the Division of Continuing Education, University International Programs, and the MPRG Industrial Affiliate Sponsors. Much of the success of our annual symposium, as well as the success of MPRG's research program, is due to the support of our industrial affiliates. Their support allows us to serve the wireless community through research, education and outreach programs. At the time of the 1999 symposium, the MPRG affiliates program included the following organizations: Army Research Office, ATT Corporation, BellSouth Cellular Corporation, Comcast Cellular Communications, Inc. , Datum, Inc. , Ericsson, Inc. , Grayson Wireless, Hewlett-Packard Company, Honeywell, Inc. , Hughes Electronics Corporation, ITT Industries, Lucent Technologies, Motorola, National Semiconductor, Nokia, Nortel Networks, Qualcomm, Inc. , Radix Technologies, Inc. , Salient 3 Communications, Samsung Advanced Institute of Technology, Southwestern Bell, Tantivy Communications, Tektronix, Inc. , Telcordia Technologies, Texas Instruments, TRW, Inc. , and the Watkins-Johnson Company. As can be seen from the Table of Contents, the papers included in this book are divided into six sections. The first five of these correspond to symposium sessions, and cover the following topics: Propagation and Channel Modeling (4 papers), Antennas (6 papers), Multiuser Detection (3 papers), Radio Systems and Technology (4 papers), and Wireless Data (3 papers).