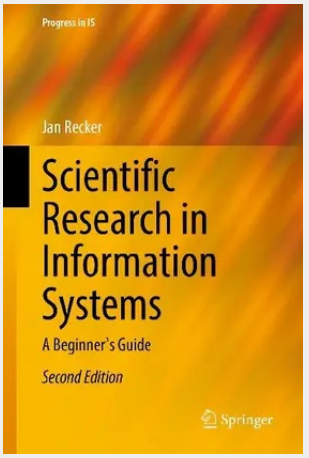
Recker

Scientific Research in Information Systems

A Beginner's Guide



This book introduces higher-degree research students and early career academics to scientific research as occurring in the field of information systems and adjacent fields, such as computer science, management science, organization science, and software engineering. Instead of focusing primarily on research methods as many other textbooks do, it covers the entire research process, from start to finish, placing particular emphasis on understanding the cognitive and behavioural aspects of research, such as motivation, modes of inquiry, theorising, planning for research, planning for publication, and ethical challenges in research. Comprehensive but also succinct and compact, the book guides beginning researchers in their quest to do scholarly work and to assist them in developing their own answers and strategies over the course of their work.

Jan Recker explains in this book the fundamental concepts that govern scientific research and then moves on to introduce the basicsteps every researcher undertakes: choosing research questions, developing theory, building a research design, employing research methods, and finally writing academic papers. He also covers essentials of ethical conduct of scientific research. This second edition contains major updates on all these elements plus significant expansions on relevant research methods such as design research and computational methods, a rewritten and extended chapter on theory development, and expansions to the chapters on research methods, scientific publishing, and research ethics. A companion website provides pedagogical materials and instructions for using this book in teaching.

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