**Systems and Software Engineering with Applications**, Norman F. Schneidewind. This book takes into consideration an integrated approach of people, organizations, processes, hardware, and software when designing systems. The reader will learn how to quantitatively analyze the performance, reliability, maintainability, and availability of software in relation to the total system and to use standards as part of the solution. Further, readers will learn how to evaluate and mitigate the risk of deploying software-based systems and how to apply models dealing with system optimizations. The book offers numerous quantitative examples to help understand and interpret model results.

This book can be used as a first-year graduate course in systems and software engineering; as an on-the-job reference for systems and software engineers; and as a reference for quantitative models in systems and software engineering.


**Pervasive Healthcare Computing: EMR/EHR, Wireless, and Health Monitoring**, Upkar Varshney. This book addresses the conceptual system of providing healthcare to anyone at any time, anywhere by removing the restraints of time and location while increasing both the coverage and quality of healthcare. The author also presents ways in which mobile and wireless technologies can be used to implement pervasive healthcare.

This vision includes prevention, healthcare maintenance and checkups, short-term and long-term monitoring, and personalized healthcare monitoring. The book also addresses incidence detection and management, emergency intervention, and transportation and treatment.

The pervasive healthcare applications include health monitoring, intelligent emergency management systems, healthcare data access, and ubiquitous mobile telemedicine. The author fulfills the need for a research-oriented book on this topic by providing a look at a wide array of emerging healthcare applications and services, including the treatment of several new wireless technologies and the ways in which they will implement the vision of pervasive healthcare.


**The Blender GameKit**, 2nd ed., Carsten Wartmann, ed. The Blender Foundation produced this edition to help users unleash their 3D game-creation powers and to support open source projects to further improve Blender. The editor is a 3D designer and author of several Blender books. According to the author, Blender's 3D modeling, animation, and rendering capabilities are on par with the best commercial software, while Blender is free. With Blender, anyone can become a game developer without having to work for a large firm.

Now fully revised and updated for Blender 2.48, this second edition offers a crash course for those new to 3D development and the Blender interface. Step-by-step tutorials teach readers the fundamentals of making games, such as how to create models, add motion and interactivity, and turn objects into actual games. A reference section offers complete coverage of the game engine framework, game logic bricks, real-time materials and textures, and Python for game programming.


**CMMI for Services: Guidelines for Superior Service**, Eileen C. Forrester, Brandon L. Buteau, and Sandy Shrum. CMMI for Services (CMMI-SVC) provides a comprehensive set of guidelines to help organizations establish and improve processes for delivering services. By adapting and extending proven standards and best practices to reflect the unique challenges faced in service industries, CMMI-SVC offers providers a practical and focused framework for achieving higher levels of service quality, controlling costs, improving schedules, and ensuring user satisfaction.

This book provides both an introduction to the CMMI-SVC model and an authoritative reference for it. The contents include the complete model itself, formatted for quick lookup. In addition, the authors have refined the model’s introductory chapters, provided marginal notes to clarify the nature of particular process areas and show why their practices are valuable, and inserted longer sidebars to explain important concepts. Brief essays by people with experience in different application areas further illustrate how the model works in practice and what benefits it offers.


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