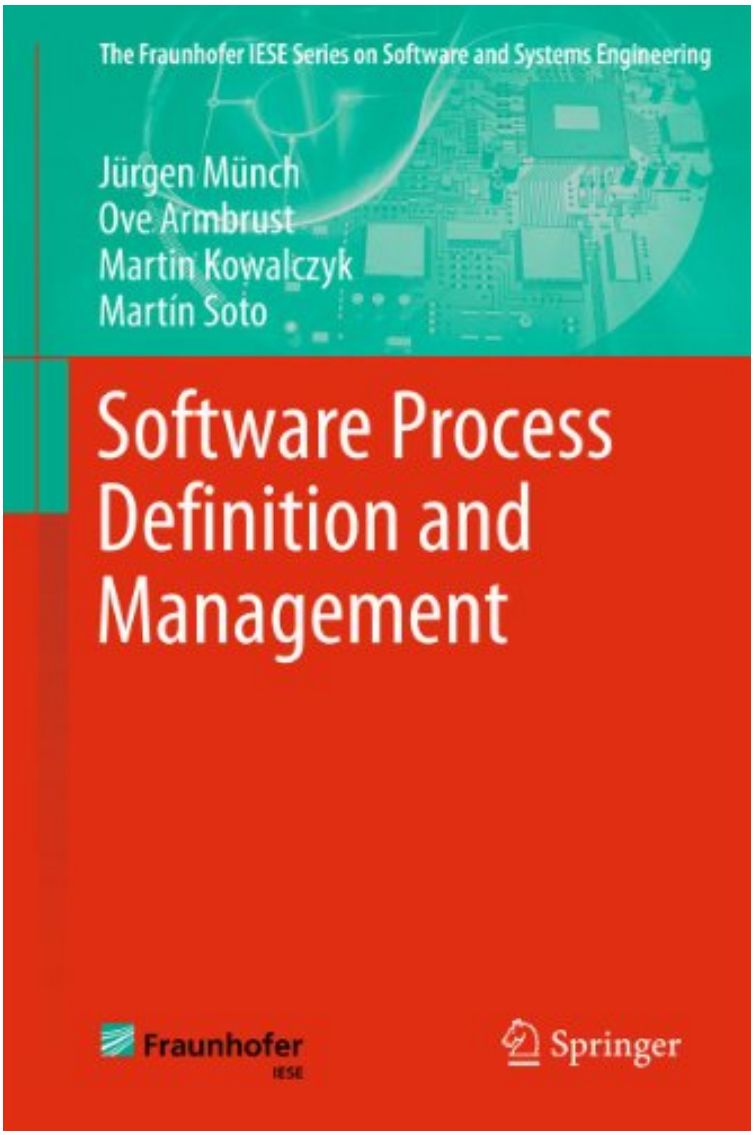
Software Process Definition and Management (The Fraunhofer IESE Series on Software and Systems Engineering)

Juuml;rgen Muuml;nch
**Download PDF | ePub | DOC | audiobook | ebooks*



#1662347 in eBooks 2012-05-27 2012-05-27File Name: B00A27DKHQ | File size: 60.Mb

Juuml;rgen Muuml;nch : Software Process Definition and Management (The Fraunhofer IESE Series on Software and Systems Engineering) before purchasing it in order to gage whether or not it would be worth my time, and all praised Software Process Definition and Management (The Fraunhofer IESE Series on Software and Systems Engineering):

The concept of processes is at the heart of software and systems engineering. Software process models integrate software engineering methods and techniques and are the basis for managing large-scale software and IT projects. High product quality routinely results from high process quality.Software process management deals with getting and maintaining control over processes and their evolution. Becoming acquainted with existing software process models is not enough, though. It is important to understand how to select, define, manage, deploy, evaluate, and systematically evolve software process models so that they suitably address the problems, applications, and environments to which they are applied. Providing basic knowledge for these important tasks is the main goal of this textbook.Muuml;nch and his co-authors aim at providing knowledge that enables readers to develop useful process models that are suitable for their own purposes. They start with the basic concepts. Subsequently, existing representative process models are introduced, followed by a description of how to create individual models and the necessary means for doing so (i.e., notations and tools). Lastly, different possible usage scenarios for process management are highlighted (e.g. process improvement and software process simulation).Their book is aimed at students and researchers working on software project management, software quality assurance, and software measurement; and at practitioners who are interested in process definition and management for developing, maintaining, and operating software-intensive systems and services.

From the reviews:"The Book (...) is very precise and accurate. This is important because process management is a practice-driven field and the literature is quite uneven. (...) It is an ideal book for a graduate course in software project management, where student teams can engage in a semester-long team project of designing a process model for an external software organization." (Don Chand, Computing s, October, 2012)ldquo;Muuml;nch (Univ. of Helsinki, Finland) and colleagues provide a thoughtful overview of the software development process, covering the gamut of the various software process models and their notations, tools, and improvement approaches. The book nicely covers the two main types of software process models, prescriptive and descriptive. Prescriptive models tell people what to do in projects and are used as guidance during daily work, while descriptive models describe the currently used real-world process. hellip; Summing Up: Recommended. Graduate students through professionals/practitioners in software development.rdquo; (C. Tappert, Choice, Vol. 50 (6), February, 2013)From the Back CoverWhereas software engineering has been a growing area in the field of computer science for many years, systems engineering has its roots in traditional engineering. On the one hand, we still see many challenges in both disciplines. On the other hand, we can observe a trend to build systems that combine software, microelectronic components, and mechanical parts. The integration of information systems and embedded systems leads to so-called cyber-physical systems.