A high-level introduction to new technologies and methods in the field of software engineering

Recent years have witnessed rapid evolution of software engineering methodologies, and until now, there has been no single-source introduction to emerging technologies in the field. Written by a panel of experts and divided into four clear parts, Emerging Methods, Technologies, and Process Management in Software Engineering covers:

- **Software Architectures** – Evolution of software composition mechanisms; compositionality in software product lines; and teaching design patterns

- **Emerging Methods** – The impact of agent-oriented software engineering in service-oriented computing; testing object-oriented software; the UML and formal methods; and modern Web application development

- **Technologies for Software Evolution** – Migrating to Web services and software evolution analysis and visualization
**Process Management** – Empirical experimentation in software engineering and foundations of agile methods

*Emerging Methods, Technologies, and Process Management in Software Engineering* is a one-stop resource for software engineering practitioners and professionals, and also serves as an ideal textbook for undergraduate and graduate students alike.

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