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Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 2177
Disciplina	005.1
Soggetti	Software engineering Management information systems Computer science Information technology Business—Data processing Software Engineering/Programming and Operating Systems Software Engineering Management of Computing and Information Systems IT in Business
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Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Invited Papers -- The Theory and Practice of Adaptive Components -- Designing for Change, a Dynamic Perspective -- Aspects and Patterns -- On to Aspect Persistence -- Symmetry Breaking in Software Patterns -- Aspect Composition Applying the Design by Contract Principle -- Models and Paradigms -- Towards a Foundation of Component-Oriented Software Reference Models -- Grammars as Contracts -- Generic Components: A Symbiosis of Paradigms -- Components and Architectures -- Design and Implementation Constructs for the Development of Flexible, Component-Oriented Software Architectures -- Scenario-Based Analysis of Component Compositions -- Product Instantiation in Software Product Lines: A Case Study -- Mixin-Based Composition and Metaprogramming -- Mixin-Based Programming in

## C++ -- Metaprogramming in the Large -- Just When You Thought Your Little Language Was Safe: "Expression Templates" in Java.

### Sommario/riassunto

This book constitutes the thoroughly refereed post-proceedings of the Second International Symposium on Generative and Component-Based Software Engineering, GCSE 2000, held in Erfurt, Germany in October 2000. The twelve revised full papers presented with two invited keynote papers were carefully reviewed and selected from 29 submissions. The book offers topical sections on aspects and patterns, models and paradigms, components and architectures, and Mixin-based composition and metaprogramming.