

# 《Generative Programmi》

## 图书基本信息

书名：《Generative Programming and Component Engineering 生成程序设计与组件工程/会议录》

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## 内容概要

This book constitutes the refereed proceedings of the Third International Conference on Generative Programming and Component Engineering, GPCE 2004, held in Vancouver, Canada in October 2004. The 25 revised full papers presented together with abstracts of 2 invited talks were carefully reviewed and selected from 75 submissions. The papers are organized in topical sections on aspect-orientation, staged programming, types for meta-programming, meta-programming, model-driven approaches, product lines, and domain-specific languages and generation.

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## 书籍目录

Aspect Orientation    Generating AspectJ Programs with Meta-AspectJ    Splice: Aspects That Analyze Programs.  
A Generative Approach to Aspect-Oriented Programming    Generic Advice: On the Combination of AOP  
with Generative Programming in AspectC++    Supporting Flexible Object Database Evolution with    A Pointcut  
Language for Control-Flow    SourceWeave.NET: Cross-Language Aspect-Oriented Programming  
Staged Programming    Meta-programming with Typed Object-Language Representations    Metaphor: A Multi-stage,  
Object-Oriented Programming Language    Optimising Embedded DSLs Using Template Haskell  
Types of Meta-programming    A Fresh Calculus for Name Management    Taming Macros    A Unification of Inheritance  
and Automatic Program Specialization  
Meta-programming    Towards a General Template Introspection Library  
Declaring and Enforcing Dependencies Between .NET Custom Attributes    Towards Generation of Efficient  
Transformations.  
Model-Driven Approaches    Compiling Process Graphs into Executable Code    Model-Driven  
Configuration and Deployment of Component Middleware Publish/Subscribe Services    Model-Driven Program  
Transformation of a Large Avionics Framework  
Product Lines    Automatic Remodularization and Optimized  
Synthesis of Product-Families    VS-Gen: A Case Study of a Product Line for Versioning Systems    A  
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