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Collana	Theoretical Computer Science and General Issues, , 2512-2029 ; ; 4228
Disciplina	005.1/12
Soggetti	Computer science Compilers (Computer programs) Computer programming Software engineering Operating systems (Computers) Theory of Computation Compilers and Interpreters Programming Techniques Software Engineering Operating Systems Computer Science Logic and Foundations of Programming
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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Separating Concerns with Domain Specific Languages -- Event-Based Programming Without Inversion of Control -- Programming Language Concepts for Multimedia Application Development -- Implicit and Dynamic Parameters in C++ -- Reconciling Virtual Classes with Genericity -- Oberon Script: A Lightweight Compiler and Runtime System for the Web -- Efficient Layer Activation for Switching Context-Dependent Behavior -- Object-Oriented Language Processing -- A Framework for Modular Linking in OO Languages -- Flexible Type-Safe Linking of Components for Java-Like Languages -- Towards a Formal Semantics for AspectJ Weaving -- Symbolic Analysis of Imperative

Programming Languages -- Array-Structured Object Types for  
Mathematical Programming -- MetaModelica: A Unified Equation-Based  
Semantical and Mathematical Modeling Language -- A Component  
Language for Structured Parallel Programming -- Internal and External  
Token-Based Synchronization in Object-Oriented Languages -- A New  
Component-Oriented Programming Language with the First-Class  
Connector -- A Component Plug-In Architecture for the .NET Platform  
-- Improve Component-Based Programs with Connectors -- Automatic  
Object Colocation Based on Read Barriers -- Nearly Optimal Register  
Allocation with PBQP -- Fast Profile-Based Partial Redundancy  
Elimination -- The Dining Philosophers Problem Revisited -- A Mobile  
Agent Service-Oriented Scripting Language Encoded on a Process  
Calculus -- A Case Study in Concurrent Programming with Active  
Objects.

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## Sommario/riassunto

On behalf of the Steering Committee we are pleased to present the proceedings of the 2006 Joint Modular Languages Conference (JMLC), organized by Oxford Brookes University, Oxford, UK and held at Jesus College, Oxford. The mission of JMLC is to explore the concepts of well-structured programming languages and software and those of teaching good design and programming style. JMLC 2006 was the seventh in a series of successful conferences with themes including the construction of large and distributed software systems, and software engineering aspects in new and dynamic application areas. We were fortunate to have a dedicated Program Committee comprising 41 internationally recognized researchers and industrial practitioners. We received 36 submissions and each paper was reviewed by at least three Program Committee members (four for papers with an author on the Program Committee). The entire reviewing process was supported by the OpenConf system. In total, 23 submissions were accepted along with two invited papers and are included in this proceedings volume. For the successful local organization of JMLC we thank Muneera Masterson, Ali McNi?e and Fiona Parker and other sta? and student helpers of Oxford Brookes University as well as Rosemary Frame and Jo Knighton and other sta? of Jesus College, Oxford. The proceedings you now hold were published by Springer and we are grateful for their support. Finally, we must thank the many authors who contributed the high-quality papers contained within these proceedings.

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