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Altri autori (Persone)	VitekJan
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Soggetti	Computer networks Software engineering Compilers (Computer programs) Computer programming Computer science Computer Communication Networks Software Engineering Compilers and Interpreters Programming Techniques Computer Science Logic and Foundations of Programming
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Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote -- The Return of Transactions -- Session I -- A Model for Java with Wildcards -- On Validity of Program Transformations in the Java Memory Model -- Safe Cross-Language Inheritance -- Session II -- Liquid Metal: Object-Oriented Programming Across the Hardware/Software Boundary -- Kilim: Isolation-Typed Actors for Java -- A Uniform Transactional Execution Environment for Java -- Session III -- Ptolemy: A Language with Quantified, Typed Events -- Prototyping and Composing Aspect Languages -- Assessing the Impact of Aspects on Exception Flows: An Exploratory Study -- Session IV -- UpgradeJ: Incremental Typechecking for Class Upgrades -- Integrating Nominal and Structural Subtyping -- Flow Analysis of Code Customizations -- Session V -- Online Phase-Adaptive Data Layout

Selection -- MTM2: Scalable Memory Management for Multi-tasking
Managed Runtime Environments -- Externalizing Java Server
Concurrency with CAL -- Session VI -- Regional Logic for Local
Reasoning about Global Invariants -- A Unified Framework for
Verification Techniques for Object Invariants -- Extensible Universes
for Object-Oriented Data Models -- Session VII -- Programming with
Live Distributed Objects -- Bristlecone: A Language for Robust Software
Systems -- Session-Based Distributed Programming in Java -- Session
VIII -- ReCrash: Making Software Failures Reproducible by Preserving
Object States -- An Extensible State Machine Pattern for Interactive
Applications -- Practical Object-Oriented Back-in-Time Debugging --
Session IX -- Inference of Reference Immutability -- Computing Stack
Maps with Interfaces -- How Do Java Programs Use Inheritance? An
Empirical Study of Inheritance in Java Software.

Sommario/riassunto

This book constitutes the refereed proceedings of the 22nd European Conference on Object-Oriented Programming, ECOOP 2008, held in Paphos, Cyprus, in July 2008. The 27 revised full papers, presented together with 3 invited talks were carefully reviewed and selected from a total of 138 final submissions. Presenting research results or experience reports in all areas relevant to object technology - including work that takes inspiration from or builds connections to areas not commonly considered object-oriented - the papers cover topics such as design methods and design patterns in analysis, concurrent systems, databases, persistence and transactions, distributed and mobile systems, frameworks, product lines and software architectures, language design and implementation, testing and metrics, programming environments and tools, theoretical foundations, type systems, formal methods, versioning, compatibility, software evolution, aspects, components, modularity, reflection, collaboration, and workflow.
