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Nota di contenuto	COTS Selection, Integration -- A Goal-Oriented Strategy for Supporting Commercial Off-the-Shelf Components Selection -- A State-of-the-Practice Survey of Off-the-Shelf Component-Based Development Processes -- Automating Integration of Heterogeneous COTS Components -- Product Lines, Domain Analysis, Variability -- The Domain Analysis Concept Revisited: A Practical Approach -- Feature Driven Dynamic Customization of Software Product Lines -- Inter-organisational Approach in Rapid Software Product Family Development — A Case Study -- Ontology-Based Feature Modeling and Application-Oriented Tailoring -- The COVAMOF Derivation Process -- A Metamodel Approach to Architecture Variability in a Product Line -- An Approach to Managing Feature Dependencies for Product Releasing in Software Product Lines -- Adaptation and Composition Within Component Architecture Specification -- Reengineering Maintenance

-- Re-engineering a Credit Card Authorization System for Maintainability and Reusability of Components – A Case Study -- Odyssey-CCS: A Change Control System Tailored to Software Reuse -- Case Study of a Method for Reengineering Procedural Systems into OO Systems -- Programming Languages and Retrieval -- Reconciling Subtyping and Code Reuse in Object-Oriented Languages: Using inherit and insert in SmartEiffel, the GNU Eiffel Compiler -- Recommending Library Methods: An Evaluation of the Vector Space Model (VSM) and Latent Semantic Indexing (LSI) -- Aspect-Oriented Software Development -- Improving Extensibility of Object-Oriented Frameworks with Aspect-Oriented Programming -- Comparing White-Box, Black-Box, and Glass-Box Composition of Aspect Mechanisms -- Achieving Smooth Component Integration with Generative Aspects and Component Adaptation -- Approaches and Models -- A Tactic-Driven Process for Developing Reusable Components -- Does Refactoring Improve Reusability? -- Using the Web as a Reuse Repository -- Components -- A UML2 Profile for Reusable and Verifiable Software Components for Real-Time Applications -- Formalizing MDA Components -- A Component-Oriented Substitution Model -- Building Reflective Mobile Middleware Framework on Top of the OSGi Platform -- Goal-Oriented Performance Analysis of Reusable Software Components -- Short Papers -- Establishing Extra Organizational Reuse Capabilities -- Incremental Software Reuse -- Variability in Goal-Oriented Domain Requirements -- Variability Modeling in a Component-Based Domain Engineering Process -- GENMADEM: A Methodology for Generative Multi-agent Domain Engineering -- Product Line Architecture for a Family of Meshing Tools -- Binding Time Based Concept Instantiation in Feature Modeling -- Aspects as Components -- Improving Reuse of Off-the-Shelf Components with Shared, Distributed Component Repository Systems -- Support to Development-with-Reuse in Very Small Software Developing Companies -- A Simple Generic Library for C -- Eliciting Potential Requirements with Feature-Oriented Gap Analysis -- X-ARM: A Step Towards Reuse of Commercial and Open Source Components -- Tutorials -- Implementing Domain-Specific Modeling Languages and Generators -- Metrics and Strategy for Reuse Planning and Management -- Building Reusable Testing Assets for a Software Product Line -- The Business Case for Software Reuse: Reuse Metrics, Economic Models, Organizational Issues, and Case Studies -- Designing Software Product Lines with UML 2.0: From Use Cases to Pattern-Based Software Architectures -- Aspect-Oriented Software Development Beyond Programming.

Sommario/riassunto

Software reuse as an umbrella concept has been around for several decades. Over time, new techniques and approaches have been proposed to implement the concept, from libraries of reusable assets to product lines, to generative methods. These latter techniques are mostly used in intra-organizational reuse, and require considerable formal knowledge over the evolution of technology and required functionality in a domain over several years. On the other end of the spectrum, extra-organizational reuse is based on reuse of off-the-shelf (OTS) software (both open and closed source, acquired for free or for a fee). Here, a limited investment and immediate availability of the assets have widely spread the approach. On the other hand, the reusing organization has no control on the evolution of the functionality and assumptions of the asset. Even when the assets are open source, they are seldom modified. The theme for this ninth meeting is the reuse of off-the-shelf (OTS) components and related problems: *

Documentation of OTS components * Processes to identify and select

OTS components * Integration and evolution problems * Reliability and security of OTS components and legal issues * Interaction with the developer community or with the vendor The proceedings you are holding cover these issues as well as development and use of product lines, variability modeling, aspect-based development, composition of components and services. June 2006 Maurizio Morisio Organization Organizing Committee General: Giancarlo Succi, Free University Bolzano/Bozen Program: Maurizio Morisio, Politecnico di Torino Workshops Peter Knauber, Mannheim University of Applied Sciences, Germany.
