

1. Record Nr.	UNISA996466212403316
Titolo	Software Architectures for Product Families [[electronic resource]] : International Workshop IW-SAPF-3. Las Palmas de Gran Canaria, Spain, March 15-17, 2000 Proceedings / / edited by Frank van der Linden
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 2000
ISBN	3-540-44542-0
Edizione	[1st ed. 2000.]
Descrizione fisica	1 online resource (VII, 254 p.)
Collana	Lecture Notes in Computer Science, , 0302-9743 ; ; 1951
Disciplina	005.101512
Soggetti	Software engineering Computer engineering Management information systems Computer science Software Engineering/Programming and Operating Systems Computer Engineering Software Engineering Management of Computing and Information Systems
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Product Family Practice -- Component Frameworks for a Medical Imaging Product Family -- Meeting the Product Line Goals for an Embedded Real-Time System -- A Two-Part Architectural Model as Basis for Frequency Converter Product Families -- A Product Line Architecture for a Network Product -- Railway-Control Product Families: The Alcatel TAS Platform Experience -- Business -- Discussion Report "Business" Session -- PuLSE-BEAT — A Decision Support Tool for Scoping Product Lines -- Domain Potential Analysis: Calling the Attention on Business Issues of Product-Lines -- Dependency Navigation in Product Lines Using XML -- Product Family Concepts -- Summary of Product Family Concepts Session -- Software Connectors and Refinement in Family Architectures -- System Family Architectures: Current Challenges at Nokia -- Product Family Methods

-- Product Family Methods -- Organizing for Software Product Lines --
A Comparison of Software Product Family Process Frameworks --
Issues Concerning Variability in Software Product Lines -- A First
Assessment of Development Processes with Respect to Product Lines
and Component Based Development -- Evolution -- Evolution of
Software Product Families -- Product Family Techniques -- Product
Family Techniques Session -- Beyond Product Families: Building a
Product Population? -- Requirements Modeling for Families of Complex
Systems -- Creating Product Line Architectures -- Extending
Commonality Analysis for Embedded Control System Families --
Stakeholder-Centric Assessment of Product Family Architecture --
Surveys -- ESAPS – Engineering Software Architectures, Processes and
Platforms for System Families -- Product-Line Engineering.

Sommario/riassunto

This book contains the proceedings of a third workshop on the theme of Software Architecture for Product Families. The first two workshops were organised by the ESPRIT project ARES, and were called “Development and Evolution of Software Architectures for Product Families”. Proceedings of the first workshop, held in November 1996, were only published electronically at: “<http://www.dit.upm.es/~ares/>”. Proceedings of the second workshop, held in February 1998, were published as Springer LNCS 1429. The ARES project was finished in February 1999. Several partners continued operation in a larger consortium, ITEA project 99005, ESAPS. As such it is part of the European Eureka ! 2023 programme. The third workshop was organised as part of the ESAPS project. In order to make the theme of the workshop more generic we decided to rename it “International Workshop on Software Architectures for Product Families”. As with the earlier two workshops we managed to bring together people working in the software architecture of product families and in software product-line engineering. Submitted papers were grouped in five sessions. Moreover, we introduced two sessions, one on configuration management and one on evolution, because we felt that discussion was needed on these topics, but there were no submitted papers for these subjects. Finally, we introduced a surveys session, giving an overview of the present situation in Europe, focussed on ESAPS, and in the USA, focussed on the SEI Product Line Systems Program.
