

1. Record Nr.	UNISA996465749303316
Titolo	Product-focused software process improvement : 8th International conference, PROFES 2007, Riga, Latvia, July 2-4, 2007, proceedings / / edited by Jurgen Munch, Pekka Abrahamsson
Pubbl/distr/stampa	Berlin, Germany ; ; New York, New York : , : Springer, , [2007] ©2007
ISBN	3-540-73460-0
Edizione	[1st ed. 2007.]
Descrizione fisica	1 online resource (XII, 420 p.)
Collana	Programming and Software Engineering ; ; 4589
Disciplina	005.1
Soggetti	Computer software - Quality control Software engineering
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 and index.
Nota di contenuto	Keynote Addresses -- Software Development and Globalization -- Software Development Globalization from the Baltic Perspective -- Experiences in Applying Agile Software Development in F-Secure -- People Side of IT Globalization -- Global Software Development -- An Industrial Survey of Software Outsourcing in China -- Understanding Lacking Trust in Global Software Teams: A Multi-case Study -- Utilization of a Set of Software Engineering Roles for a Multinational Organization -- Software Process Improvement -- Software Verification Process Improvement Proposal Using Six Sigma -- Software Development Improvement with SFIM -- SPI-KM - Lessons Learned from Applying a Software Process Improvement Strategy Supported by Knowledge Management -- Organisational Readiness and Software Process Improvement -- Software Process Improvement Through Teamwork Management -- De-motivators of Software Process Improvement: An Analysis of Vietnamese Practitioners' Views -- Software Process Modeling and Evolution -- Defining Software Processes Through Process Workshops: A Multicase Study -- Improving an Industrial Reference Process by Information Flow Analysis: A Case Study -- Connecting the Rationale for Changes to the Evolution of a Process -- Industrial Experiences -- Use of Non-IT Testers in Software Development -- Requirements Management Practices as Patterns for

Distributed Product Management -- SPI Consulting in a Level 1 Company: An Experience Report -- Agile Software Development -- On the Effects of Pair Programming on Thoroughness and Fault-Finding Effectiveness of Unit Tests -- An Agile Toolkit to Support Agent-Oriented and Service-Oriented Computing Mechanisms -- Achieving Success in Supply Chain Management Software by Agility -- Software Measurement -- Software Measurement Programs in SMEs -- Defining Software Indicators: A Methodological Framework -- Smart Technologies in Software Life Cycle -- Convertibility Between IFPUG and COSMIC Functional Size Measurements -- A Framework for Measuring and Evaluating Program Source Code Quality -- Software Fault Prediction with Object-Oriented Metrics Based Artificial Immune Recognition System -- Simulation and Decision Support -- Operational Planning, Re-planning and Risk Analysis for Software Releases -- Project Cost Overrun Simulation in Software Product Line Development -- E-Service Architecture Selection Based on Multi-criteria Optimization -- Processes and Methods -- A Component-Based Process for Developing Automotive ECU Software -- A Systematic Approach to Service-Oriented Analysis and Design -- Improving the Problem Management Process from Knowledge Management Perspective -- Workshop -- Experience on Applying Quantitative and Qualitative Empiricism to Software Engineering -- Tutorials -- Using Metrics to Improve Software Testing -- Increase ICT Project Success with Concrete Scope Management -- Agile Software Development: Theoretical and Practical Outlook.

Sommario/riassunto

The Eight International Conference on Product-Focused Software Process Improvement (PROFES 2007) brought together researchers and industrial practitioners to report new research results and exchange experiences and findings in the area of process and product improvement. The focus of the conference is on understanding, learning, evaluating, and improving the relationships between process improvement activities (such as the deployment of innovative defect detection processes) and their effects in products (such as improved product reliability and safety). Consequently, major topics of the conference include the evaluation of existing software process improvement (SPI) approaches in different contexts, the presentation of new or modified SPI approaches, and the relation between SPI and new development techniques or emerging application domains. This year's conference theme focused on global software development. More and more products are being developed in distributed, global development environments with many customer-supplier relations in the value chain. Outsourcing, off-shoring, near-shoring, and even in-sourcing aggravate this trend further. Supporting such distributed development requires well-understood and accurately implemented development process interfaces, process synchronization, and an efficient process evolution mechanisms. Overcoming cultural barriers and implementing efficient communication channels are some of the key challenges. It is clear that process improvement approaches also need to consider these new development contexts.