1. Record Nr. UNINA9910629290803321

Titolo	Product-Focused Software Process Improvement : 23rd International Conference, PROFES 2022, Jyväskylä, Finland, November 21–23, 2022, Proceedings / / edited by Davide Taibi, Marco Kuhrmann, Tommi Mikkonen, Jil Klünder, Pekka Abrahamsson
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2022
ISBN	9783031213885 3031213882
Edizione	[1st ed. 2022.]
Descrizione fisica	1 online resource (682 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 13709
Disciplina	005.1
Soggetti	Software engineering Social sciences - Data processing Computer networks Artificial intelligence Education - Data processing Software Engineering Computer Application in Social and Behavioral Sciences Computer Communication Networks Artificial Intelligence Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Keynote -- The End-users of Software Systems deserve better -- Cloud and AI -- Managing the Root Causes of "Internal API Hell": An Experience Report -- Requirements for Anomaly Detection Techniques for Microservices -- Requirements for Anomaly Detection Techniques for Microservices -- Requirements for Anomaly Detection Techniques for Microservices -- Empirical Studies -- Defining Requirements Strategies in Agile: A Design Science Research -- Analysing the Relationship between Dependency Definition and Updating Practice when Using Third-Party Libraries -- On the Limitations of Combining Sentiment Analysis Tools in a Cross-Platform Setting -- Marine Data

Sharing: Challenges, Technology Drivers and Quality Attributes -- Marine Data Sharing: Challenges, Technology Drivers and Quality Attributes -- Data-Driven Improvement of Static Application Security Testing Service: An Experience Report in Visma -- Near Failure Analysis using Dynamic Behavioural Data -- Process Management -- A Process Model of Product Strategy Development: A Case of B2B SaaS Product -- A Process Model of Product Strategy Development: A Case of B2B SaaS Product -- Benefit Considerations in Project Decisions -- Towards Situational Process Management for Professional Education Programmes -- Change Management in Cloud-Based Offshore Software Development: A Client-Vendor Perspective -- Half-Empty Offices in Flexible Work Arrangements: Why are Employees Not Returning? -- Refactoring and Technical Dept -- Technical Debt in Service-Oriented Software Systems -- An Investigation of Entropy and Refactoring in Software Evolution -- "To Clean Code or Not To Clean Code" A Survey among Practitioners -- Software Business and Digital Innovation -- Counter the Uncertainties in a Dynamic World: Approach for Creating Outcome-Driven Product Roadmaps -- Designing Platforms for Crowd-based Software Prototype Validation: A Design Science Study -- Rapid delivery of software: The effect of alignment on time to market -- Exploring the “Why,” “How,” and “What” of Continuous Digital Service Innovation -- Why Traditional Product Roadmaps Fail in Dynamic Markets: Global Insights -- Why Traditional Product Roadmaps Fail in Dynamic Markets: Global Insights -- Why Traditional Product Roadmaps Fail in Dynamic Markets: Global Insights -- Testing and Bug Prediction -- Test Case Selection with Incremental ML -- Inferring Metamorphic Relations from JavaDocs: A Deep Dive Into the MeMo Approach -- An Evaluation of Cross-Project Defect Prediction Approaches on Cross-Personalized Defect Prediction -- A/B Testing in the Small: an Empirical Exploration of Controlled Experimentation on Internal Tools -- TEP-GNN: Accurate Execution Time Prediction of Functional Tests using Graph Neural Networks -- Improving Software Regression Testing Using a Machine Learning-based Method For Test Type Selection -- Early Identification of Invalid Bug Reports in Industrial Settings - A Case Study -- Posters -- RESEM: Searching Regular Expression Patterns with Semantics and Input/Output Examples -- Linking User Stories and Behavior Driven Development Concepts: Ontology, Preliminary Validation and Further Perspectives -- Quality Metrics for Software Development Management and Decision Making: An Analysis of Attitudes and Decisions -- Are NLP Metrics Suitable for Evaluating Generated Code? -- Are NLP Metrics Suitable for Evaluating Generated Code? -- Can the requirements coverage be satisfied with code coverage? User story test coverage -- Tidy Up Your Source Code! Eliminating Wasteful Statements in Automatically Repaired Source Code -- Tutorials- Utilizing User Stories to Bring AI Ethics into Practice in Software Engineering -- Workshop on Engineering Processes and Practices for Quantum Software (PPQS’22) -- Classical to Quantum Software Migration Journey Begins: A Conceptual Readiness Model -- 1st Workshop on Computational Intelligence and Software Engineering (CISE 2022) -- Technical Debt Forecasting from Source Code using Temporal Convolutional Networks -- Adagio: a bot for AuDio processing AGainst vIOlence -- End Users’Perspective of Performance Issues in Google Play Store -- Predicting Bug-Fixing Time: DistilBERT versus Google BERT -- Proposing Isomorphic Microservices based Architecture for IoT -- Doctoral Symposium -- Ethical Tools, Methods and Principles in Software Engineering and Development: Case Ethical User Stories -- Architectural Degradation and Technical Debt Dashboards (PROFES Doctoral Symposium) -- The Impact of Business

Design in Improving the Offering of Professional Software Services -- Applications of MLOps in the Cognitive Cloud Continuum "PROFES Doctoral Symposium" -- Implementing Artificial Intelligence Ethics in Trustworthy System Development- Ethical Requirements for Software Development -- Developing a Critical Success Factor model for DevOps -- Strategic ICT procurement in Finland: Tensions and Opportunities -- Leverage Software Containers Adoption By decreasing Cyber Risks and systemizing the refactoring of monolithic applications.

Sommario/riassunto

This book constitutes the refereed proceedings of the 23rd International Conference on Product-Focused Software Process Improvement, PROFES 2022, which took place in Jyväskylä, Finland in November 2022. The 24 full technical papers, 9 short papers, and 6 poster papers presented in this volume were carefully reviewed and selected from 75 submissions. The book also contains and 8 doctoral symposium papers and 7 tutorial and workshop papers. The contributions were organized in topical sections as follows: Keynote; Cloud and AI; Empirical Studies; Process Management; Refactoring and Technical Dept; Software Business and Digital Innovation; Testing and Bug Prediction; Posters; Tutorials; Workshop on Engineering Processes and Practices for Quantum Software (PPQS'22); 1st Workshop on Computational Intelligence and Software Engineering (CISE 2022); Doctoral Symposium.