1. Record Nr. UNISA996691666603316

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Titolo	Product-Focused Software Process Improvement. Industry, Doctoral-Symposium, Tutorial, and Workshop Papers : 26th International Conference, PROFES 2025, Salerno, Italy, December 1–3, 2025, Proceedings / / edited by Giuseppe Scanniello, Valentina Lenarduzzi, Simone Romano, Sira Vegas, Rita Francese
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2026
ISBN	3-032-12092-6
Edizione	[1st ed. 2026.]
Descrizione fisica	1 online resource (0 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 16362
Disciplina	005.1
Soggetti	Software engineering Application software Computer networks Artificial intelligence Education - Data processing Software Engineering Computer and Information Systems Applications Computer Communication Networks Artificial Intelligence Computers and Education
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Industry Papers -- Obtaining Test Data in the Estonian e-Government System: Challenges and Improvement Potential -- From C to Rust – How Feasible is it? -- Cross-Domain Evaluation of Transformer-Based Vulnerability Detection on Open & Industry Data -- Software Testing Education and Industry Needs - Report from ENACTEST EU Project -- Enhancing Regulation-Adherent Requirement Engineering with Contextual AI: An Industrial Study -- A Small Dataset May Go a Long Way: Process Duration Prediction in Clinical Settings -- Developing an Agile Process for Quantum Annealing Applications: An Industrial Experience -- Hindrances and Strengths in Software Delivery: Insights from a Developer Experience Study at the Swedish Transport

Administration -- STRIPID: Simulation Test Ranking and Interactive Performance Inspection for PID Controllers -- Doctoral Symposium Papers -- Development of a Model-Driven DevOps Solution Based on Context-Engineered LLM Code Generation: PROFES Doctoral Symposium -- Tutorial Papers -- Introduction to Quantum Software Engineering -- 1st International Workshop on Analytics for Software Product and Process Improvement (A-SPPI 2025) -- Object-Centric Analysis of XES Event Logs: Integrating OCED Modeling with SPARQL Queries -- User Engagement and Adaptive Optimisation in Renewable Energy Communities -- Automated Classification of ADS Disengagements Using Convolutional Neural Networks -- Toward Greener Background Processes: Measuring Energy Cost of Autosave Feature -- Key Factors in Data-Driven Green Lighting: An Empirical Investigation -- AppChallenge: Integrating Software Engineering, Business Development, and Coaching in Challenge- Based Learning -- 1st International Workshop on Promoting and Dealing with Advanced Technology in Healthcare (PATH 2025) -- RespirAction: Remote Respiratory Rehabilitation Supported by Innovative Sensor Technology -- SENTIRE: An Intelligent System for Hearing Protection and Human-Machine Interaction in Industrial Environments -- Agility Under Fire: What Healthcare Can Learn from Crisis-driven Accelerated Technology Development and Adoption -- TED – The intElligent Doctor at your Home -- AI-driven Intervention with Wearable Remote Monitoring Devices for Human Health - Response to Action: Telerehabilitation Smoking Cessation Program Assisted byWearable Remote Monitoring Devices -- Structured Clinical Reasoning in AI: Comparing LLMs and Curated, Ontology-Grounded Multi-Agent Systems -- Optimizing Smart Hospitals with deep learning and Indoor Navigation: The Shkodra Case Study -- Federated Learning for Pre-operative Detection of Triple-Negative Breast Cancer from Multiparametric MRI: Preliminary Results -- 1st International Workshop on Quality Evaluation of ML-based Software Systems (QUEMALES 2025) -- Alignment and complementarity between AI-FSM and ASPICE MLE: findings from the assessment of the SAFEXPLAIN Railway Demo -- A Survey of Existing Standards Addressing AI-based Technologies -- Chatting about Flaky Tests with Standard LLMs. An Empirical Exploration -- Critical Analysis of ASPICE® 4.0 Machine Learning Engineering Process Requirements -- Software Product Quality: Some Thoughts about its Evolution and Perspectives in the AI Years.

Sommario/riassunto

This book constitutes the refereed proceedings of the 26th International Conference on Product-Focused Software Process Improvement, PROFES 2025, held in Salerno, Italy, during December 1–3, 2025. The 9 Industry papers, 19 Workshop papers, 1 Doctoral symposium paper and 1 Tutorial paper presented in this volume were carefully reviewed and selected from 101 submissions. The contributions were organized in topical sections as follows: Industry papers; Doctoral symposium papers; Tutorial papers; First International Workshop on Analytics for Software Product and Process Improvement (A-SPPI 2025); First International Workshop on Promoting and Dealing with Advanced Technology in Healthcare (PATH 2025); and First International Workshop on Quality Evaluation of ML-based Software Systems (QUEMALES 2025).