

| | |
|-------------------------|--|
| 1. Record Nr. | UNINA9910483714903321 |
| Titolo | Integrating Research and Practice in Software Engineering // edited by Stan Jarzabek, Aneta Poniszewska-Marada, Lech Madeyski |
| Pubbl/distr/stampa | Cham : , : Springer International Publishing : , : Imprint : Springer, , 2020 |
| ISBN | 3-030-26574-9 |
| Edizione | [1st ed. 2020.] |
| Descrizione fisica | 1 online resource (VIII, 258 p. 116 illus., 46 illus. in color.) |
| Collana | Studies in Computational Intelligence, , 1860-949X ; ; 851 |
| Disciplina | 006.3 |
| Soggetti | Computational intelligence Engineering—Data processing Computational Intelligence Data Engineering |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Nota di contenuto | Creating evolving project data sets in software engineering -- Mining Bug Repositories for Bug Triage Automation -- Scalable and Accurate Detection of Function Clones in Software using Multithreading -- Inferring hints for defect fixing order from requirements-to-test-case mappings -- Safety and Security Integrated SIL Evaluation Using the NFR Approach -- A Software Analysis Based Vulnerability Detection System For Smart Contracts -- Securing connection and data transfer between devices and IoT cloud service -- A data-driven conceptual modeling -- On Cognitive Biases in Requirements Elicitation -- Nuts and Bolts of Extracting Variability Models from Natural Language Requirements Documents -- On Importance of Non-functional Requirements in Agile Software Projects - A Survey -- Emerging Results: Evaluation of Selected UX Techniques by Product Managers – a Preliminary Survey -- Towards a Lightweight Approach for the Evaluation of Requirements Engineering Impact on Other IT Project Areas -- From COBOL to Business Rules - Extracting Business Rules from Legacy COBOL Code -- ISO 25010 support in Test Point Analysis for testing effort estimation.-Software for integration of manufacturing resources in the hybrid cloud model for Industry 4.0 -- Integration of Senior Software Project Courses in an Undergraduate Software |

In this book, the authors highlight recent findings that hold the potential to improve software products or development processes; in addition, they help readers understand new concepts and technologies, and to see what it takes to migrate from old to new platforms. Some of the authors have spent most of their careers in industry, working at the frontiers of practice-based innovation, and are at the same time prominent researchers who have made significant academic contributions. Others work together with industry to test, in industrial settings, the methods they've developed in the lab. The choice of subject and authors represent the key elements of this book. Its respective chapters cover a wide range of topics, from cloud computing to agile development, applications of data science methods, re-engineering of aging applications into modern ones, and business and requirements engineering. Taken together, they offer a valuable asset for practitioners and researchers alike. .
