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Titolo	Towards a Synergistic Combination of Research and Practice in Software Engineering / / edited by Piotr Kosiuczenko, Lech Madeyski
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Soggetti	Computational intelligence Software engineering Artificial intelligence Computational Intelligence Software Engineering Artificial Intelligence
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Formato	Materiale a stampa
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Note generali	Includes index.
Nota di contenuto	Temporal Costs of Computing Unit Redundancy in Steady and Transient State -- SIPE: A Domain-Specic Language for Specifying Interactive Programming Exercises -- Managing Software Complexity by Exploiting Software Similarity Patterns -- A Prototype Tool for Semantic Validation of UML class Diagrams with the Use of Domain Ontologies Expressed in OWL 2 -- Ensuring the Strong Exception Safety -- Ecient Testing of Time-dependent, Asynchronous Code.
Sommario/riassunto	This book reports on recent advances in software engineering research and practice. Divided into 15 chapters, it addresses: languages and tools; development processes; modelling, simulation and verification; and education. In the first category, the book includes chapters on domain-specific languages, software complexity, testing and tools. In the second, it reports on test-driven development, processing of business rules, and software management. In turn, subsequent chapters address modelling, simulation and verification of real-time systems, mobile systems and computer networks, and a scrum-based framework. The book was written by researchers and practitioners, the

goal being to achieve a synergistic combination of research results achieved in academia and best practices used in the industry, and to provide a valuable reference guide for both groups.