

Foundations of Empirical Software Engineering

The Legacy of Victor R. Basili

Bearbeitet von
Barry Boehm, Hans Dieter Rombach, Marvin V Zelkowitz

1. Auflage 2005. Buch. x, 432 S. Hardcover
ISBN 978 3 540 24547 6
Format (B x L): 15,5 x 23,5 cm
Gewicht: 1780 g

Weitere Fachgebiete > EDV, Informatik > Hardwaretechnische Grundlagen >
Systemverwaltung & Management

Zu [Leseprobe](#)

schnell und portofrei erhältlich bei


DIE FACHBUCHHANDLUNG

Die Online-Fachbuchhandlung beack-shop.de ist spezialisiert auf Fachbücher, insbesondere Recht, Steuern und Wirtschaft. Im Sortiment finden Sie alle Medien (Bücher, Zeitschriften, CDs, eBooks, etc.) aller Verlage. Ergänzt wird das Programm durch Services wie Neuerscheinungsdienst oder Zusammenstellungen von Büchern zu Sonderpreisen. Der Shop führt mehr als 8 Millionen Produkte.

Table of Contents

1. The Role of Experimentation in Software Engineering: Past, Current, and Future, <i>Victor R. Basili</i> , 18th International Conference on Software Engineering, Berlin, Germany, March 1996 © 1996 IEEE*	1
I. Programming Languages and Formal Methods – M. Zelkowitz	14
2. A Transportable Extendible Compiler, <i>Victor R. Basili and Albert J. Turner</i> , Software Practice & Experience (5)3 1975 © 1975 Wiley*	16
3. Iterative Enhancement: A Practical Technique for Software Development, <i>Victor R. Basili and Albert J. Turner</i> , IEEE Transactions on Software Engineering (1)4 1975 © 1975 IEEE*	28
4. Understanding and Documenting Programs, <i>Victor R. Basili and Harlan Mills</i> , IEEE Transactions on Software Engineering (8)3 1982 © 1982 IEEE*	40
II. Measurement – D. Weiss	68
5. A Methodology for Collecting Valid Software Engineering Data, <i>Victor R. Basili and David M. Weiss</i> , IEEE Transactions on Software Engineering (10)6 1984 © 1984 IEEE*	72
6. The TAME Project: Towards Improvement-Oriented Software Environments, <i>Victor R. Basili and H. Dieter Rombach</i> , IEEE Transactions on Software Engineering (14)6 1988 © 1988 IEEE*	94
III. Software Engineering Laboratory – F. McGarry	123
7. Analyzing Medium Scale Software Development, <i>Victor R. Basili and Marvin Zelkowitz</i> , Proceedings of the 3rd International Conference on Software Engineering, Atlanta, GA, May 1978 © 1978 IEEE*	127
8. Software Process Evolution at the SEL, <i>Victor R. Basili and Scott Green</i> , IEEE Software, July 1994 © 1994 IEEE*	142

* Permission to reprint granted by respective copyright holders.

9. The Software Engineering Laboratory – An Operational Software Experience Factory, <i>Victor R. Basili, Gianluigi Caldiera, Frank McGarry, Rose Pajerski, Gerald Page and Sharon Waligora</i> , 14 th International Conference on Software Engineering, Melbourne, Australia, May 1992 © 1992 ACM*	155
IV. Learning Organizations and Experience Factory – H. D. Rombach	176
10. Support for Comprehensive Reuse, <i>Victor R. Basili and H. Dieter Rombach</i> , Software Engineering Journal (6)5 1991 © 1991 IEEE British Computer Society*	179
11. Technology Transfer at Motorola, <i>Victor R. Basili, Michael Daskalantonakis and Robert Yacobellis</i> , IEEE Software Magazine, March 1994 © 1994 IEEE*	206
12. Improve Software Quality by Reusing Knowledge and Experience, <i>Victor R. Basili and Gianluigi Caldiera</i> , Sloan Management Review, MIT Press, Fall 1995 © 1995 Sloan Management Review Association*	220
V. Technical Developments and Empirical Studies – R. Pajerski	238
13. A controlled Experiment Quantitatively Comparing Software Development Approaches, <i>Victor R. Basili and Robert Reiter, Jr.</i> , IEEE Transactions on Software Engineering (7)3 1981 © 1981 IEEE* (IEEE Computer Society Outstanding Paper Award)	241
14. Experimentation in Software Engineering, <i>Victor R. Basili, Richard Selby and David Hutchens</i> , IEEE Transactions on Software Engineering (12)7 1986 © 1986 IEEE* (Invited Paper)	278
15. Comparing the Effectiveness of Software Testing Strategies, <i>Victor R. Basili and Richard Selby</i> , IEEE Transactions on Software Engineering, (13)12 1987 © 1987 IEEE*	300
16. Cleanroom Software Development: An Empirical Evaluation, <i>Richard W. Selby, Victor R. Basili and F. Terry Baker</i> , IEEE Transactions on Software Engineering (13)9 1987 © 1987 IEEE*	339
17. Evolving and Packaging Reading Technologies, <i>Victor R. Basili</i> , Journal of Systems and Software 38, 1997 © 1997 Elsevier Science Inc*	362

* Permission to reprint granted by respective copyright holders.

VI. Experience Base – B. Boehm	376
18. Software Engineering Practices in the U.S. and Japan, <i>Marvin Zelkowitz, Raymond Yeh, Richard Hamlet, John Gannon and Victor R. Basili</i> , IEEE Computer Magazine, May 1984 © 1984 IEEE Computer Society*	383
19. An Evaluation of Expert Systems for Software Engineering Management, <i>Connie Ramsey and Victor R. Basili</i> , IEEE Transactions on Software Engineering (15)6 1989 © 1989 IEEE*	400
20. Software Defect Reduction Top 10 List, <i>Barry Boehm and Victor R. Basili</i> , IEEE Software, January, 2001 © 2001 IEEE Computer Society*	426