



# Software Defect Prevention for better Software Quality

By Alfons Unmüßig

Grin Verlag Jun 2012, 2012. Taschenbuch. Book Condition: Neu. 210x148x5 mm. This item is printed on demand - Print on Demand Titel. - Wissenschaftlicher Aufsatz aus dem Jahr 2012 im Fachbereich Informatik - Wirtschaftsinformatik, einseitig bedruckt, Note: -, -, Sprache: Deutsch, Abstract: AbstractThis work aims to propose a qualitative starter model for a new software defect prevention for better Software Quality. Software defect prevention methods and models have made substantial progress in recent years. But this still falls short of the needs of today and the future. One contribution is a qualitative model that takes into account key determinants and their interlinked effects. The model is based on System Dynamics and the elements involved in the software development process, e.g. the human being, management, members of staff, work psychology, quality, methods, organizations, customer, culture etc. Current research status comprises 15 identified important key determinants, their respective strength, interrelationships and dynamics. The model is operationalized with a software tool capable of modelling all the key determinants defined, their effect directions and other data of the comprehensive matrix they make up. With the research results made, the new defect prevention model shows promise. The research is due to continue further in order...



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