Abstract

It has been well accepted by the software professionals as well as researchers that software systems have to evolve themselves to survive successfully. Software evolution is a crucial activity for software organizations. The objective of this paper is to identify critical challenges and giving a proposal against those in the area of software change management. The paper focuses on the existing issues of software change management. Software change impact analysis, software change propagation and regression testing are the key steps in change management process.

85, 3 (March 2012), 626-637.

**Index Terms**

Computer Science  
Information Sciences

**Keywords**

Software Change Management  
Software Change Impact Analysis  
Software Change Propagation  
Regression Testing

And Software Change Complexity.