

Special Issue

Applications of Soft Computing in Software Engineering

Message from the Guest Editors

The fields of Soft Engineering and Soft Computing are vast, versatile, and fascinating. Software-intensive systems are becoming more and more complex and thus, we need more intelligent approaches to solve several challenging problems in this domain. According to recent studies, soft computing has become an important field in the development of software engineering methods. Soft Computing is a collection of methods that try to cope with the main disadvantages of the conventional computing, especially the poor performances when working under imprecision, uncertainty, partial truth, and approximation conditions. The classic constituents of Soft Computing contain fuzzy sets and fuzzy systems, probabilistic reasoning, support vector machines, belief networks, artificial neural networks, fuzzy cognitive maps as well as evolutionary computation based on genetic algorithms, swarm intelligence methods, and other nature-inspired computation paradigms. The main focus of this special issue is to demonstrate the application of different Soft Computing methodologies on various software engineering problems.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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