

CALL FOR PAPERS

INTERNATIONAL JOURNAL OF SOFTWARE ENGINEERING AND ITS APPLICATIONS

SPECIAL ISSUE ON ADVANCES IN SOFTWARE ENGINEERING WITH SOFT-COMPUTING

MOTIVATION

During the last few years, a number of software engineering researchers are focusing on applying soft-computing and computational intelligence techniques to their research. In software engineering, problems such as planning and decision making, finding patterns for defective modules, effort estimation, testing and test case generation, knowledge extraction, etc. can be reformulated using a set of techniques under the umbrella of soft-computing. This includes searching and optimization techniques such as genetic algorithms, meta-heuristics, data mining, fuzzy logic, Bayesian networks, etc. All these techniques, already extensively used in other areas, are incrementally being applied in software engineering. This special issue aims at providing an overview of works on computational intelligence techniques to the software engineering field including:

- Studies, applications and tools to extract information from software repositories
- System Dynamics applied to Software Engineering.
- Visualisation in software projects
- Software Testing with data-mining or meta-heuristic techniques
- Project Management with data-mining or meta-heuristic techniques
- Design of Software Engineering repositories
- Dealing with software problems in software repositories (noise, unbalanced datasets, outliers, etc.)
- Planning and scheduling
- Software mining
- Etc.

IMPORTANT DATES

- Submission Deadline: December 31, 2009
- Acceptance Notice: January 31, 2010
- Final Manuscript: February 21, 2010

SUBMISSION INSTRUCTIONS

Authors are invited to submit original papers that have not been submitted in parallel to any other conferences or journals. Authors submitting papers from the ADIS workshop are invited to extend their paper with completely original work. The papers will be peer-reviewed and selected based on their quality, significance and relevance to the scope of the Special Issue. Please submit your papers to any of the Corresponding Guest Editors Jose C. Riquelme (riquelme@us.es), Roberto Ruiz (robertoruiz@upo.es) and Daniel Rodriguez (daniel.rodriguezg@uah.es).

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