Authors are encouraged to submit high-quality, original work that has neither appeared in, nor is under consideration by, other journals.

Springer offers authors, editors and reviewers of Software Quality Journal a web-enabled online manuscript submission and review system. Our online system offers authors the ability to track the review process of their manuscript.

Manuscripts should be submitted to: http://SQJO.edmgr.com. This online system offers easy and straightforward log-in and submission procedures, and supports a wide range of submission file formats.

Important Dates

- Paper submission deadline: September 20, 2012
- Notification to authors: January 20, 2013

Guest Editors:

Tim Menzies, West Virginia University, tim@menzies.us
Marjan Mernik, University of Maribor, marjan.mernik@uni-mb.si

As SE is asked to answer dynamic automated, adaptive, and/or large scale demands, other computer science disciplines come to play. AI is one of them that may bring SE to further heights. Conversely, SE can also play a role in alleviating development costs and the development effort associated with AI tools. Such mutually beneficial characteristics have appeared in the past few decades and still evolve due to new challenges.

Topics of interest include, but are not restricted to:

- Agents & SE
- Data Mining and SE
- Testing and quality assurance
- Bayesian belief networks
- Spectra-based software diagnosis
- Search-based software engineering
- System dynamics and simulation models
- Software metrics applied to AI techniques
- Model-based SE and Model-driven engineering
- Rapid prototyping and scripting for AI techniques
- Software for knowledge acquisition and representation
- Cognitive Psychology (and its implications for SE + AI)
- Cost analysis and risk assessment in software projects
- Knowledge representation, ontologies and reasoning and other semantic aspects in SE
- Software specification, design, integration and requirement engineering
- Assessing the quality of datasets (imbalance, noise, missing values, etc.)
- Cognitive psychology for requirements engineering and knowledge engineering
- Machine Learning, Optimisation and Computational Intelligence techniques

Reviewing details: All papers will be reviewed by three reviewers with the Guest Editor as coordinator.

Expected number of accepted papers: 6