Special Session On
Software Cost Estimation Using Soft Computing Techniques (SCE-SCT 2010)

Session Chair

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Introduction:
To bid for software system contracts we must estimate the cost of a project. Accurate estimation of effort and time will have a great impact on budget computation and project success. Inaccurate estimates could lead to failure to make a profit, possibility for incomplete project, and delay of project delivery date. Since 1960 many software cost estimation models were introduced being able to provide accurate effort/cost estimation is still a challenge for many reasons. They include: 1) the uncertainty in collected measurement, 2) the estimation methods used might have many drawbacks and 3) the cost drivers are too many and changed due to the development environment. Recently, many questions raised about the applicability of using Soft Computing and Machine Learning Techniques to solve the effort and cost estimation problem for software systems.

The special session seeks submissions of papers that are representing new trends in developing software cost/effort estimation models using soft computing techniques. Papers should present original work that has not been published or considered for publication. Papers with real-world industrial applications are especially welcomed. The main topic of the special session is Software Cost Estimation Using Soft Computing Techniques. This includes the following techniques for software cost/effort estimation based:

- Genetic Algorithms
- Genetic Programming
- Particle Swarm Optimization
- Differential Evolution
- Artificial Neural Networks
- Neuro-Computing
- Cooperative Co-evolution

- Many others

Instructions for Authors:
Papers must correspond to the requirements detailed in the (Paper Submission) on the conference flyer http://cig.iet.unipi.it/isda2010/flyer.pdf and All accepted papers will be published in the proceedings of ISDA'10 that will be also included in the IEEEXplore digital library.

Registration Fees:
All papers must be presented by one of the authors, who must pay the registration fees.
http://cig.iet.unipi.it/isda2010/

Paper Reviewing and Publication:
Submitted papers will be reviewed. Accepted papers, which should not exceed 6 pages (PDF) following the double column IEEE format. All accepted papers will be published in the proceedings of the ISDA'10. Selected papers will be published in special issues of a selection of International Journals (to be announced).

Tentative Dates of Submission and Acceptance:
- Deadline for paper submission: June 26, 2010
- Notification of acceptance: August 14, 2010
- Camera-ready manuscript submission: September 15, 2010