

The 5th International PROMISE Conference on Predictive Models in Software Engineering



Timișoara, Romania, Sept 12-13, 2010

<http://www.promisedata.org/2010>

Located with ICSM 2010: IEEE International Conference on Software Maintenance

Call for Papers

The PROMISE conference provides an annual forum for researchers and practitioners to present and exchange ideas, results, and experiences with predictive models that are applicable to implementation, evaluation, and management of software processes and projects.

A key objective of PROMISE is to help establish *verifiable and repeatable* models that are *useful* to the software engineering community.

Scope

Traditionally, PROMISE meetings have primarily focused on effort and defect prediction. PROMISE 2010 is also expanding its scope to include non-traditional predictive models regarding the business, team, human, people, process, and organizational aspects of software engineering. Predictive models related to software development efforts in particular application domains (e.g., healthcare) are encouraged as well. The topics of interest include but are not limited to:

- Effort prediction models
- Defect prediction models
- Meta-analysis and generalizations of predictive models exploring certain questions
- Replicated studies contributing to theory building in software engineering
- Predicting outcomes of interest regarding business, team, human, people, process, and organizational aspects of software engineering, as well as the product aspects
- Privacy and ethical issues
- Qualitative research guiding and informing the process of building future predictive models
- Instance-based models predicting outcomes by examining similarities to earlier experiences
- Industrial experience reports detailing the application of software technologies - processes, methods, or tools - and their effectiveness in industrial settings.
- Tools for software researchers that effectively gather and analyze data to support reproducible and verifiable research.

Data

The PROMISE on-line repository provides researchers and practitioners a central location where they can store the data they use to make their conclusions, and access models and data used by other researchers and practitioners. Following the tradition of the PROMISE effort, PROMISE 2010 will give the highest priority to empirical studies based on publicly available datasets. Conducting reproducible, verifiable, and refutable research is an important goal of PROMISE. To increase the chance of acceptance, authors are urged to submit papers that use public datasets. Data can come from anywhere including the PROMISE repository.

Kinds of papers

Full papers: For original research studies reporting empirical results.

Student symposium papers: For students' original empirical research that might be a work-in-progress (e.g. thesis).

Submissions should be five to ten pages long (max), and must be original and previously unpublished.

Publication

Full Papers presented at PROMISE 2010 will be published in the ACM digital library. Student symposium papers will not be published in ACM but will be listed in our program as a PROMISE paper.

Important Dates

- Abstract Submission: May 14, 2010
- Paper Submission: May 21, 2010
- Student Symposium Submission: May 21, 2010
- Notification of Results: July 9th, 2010
- Camera Ready Copy: July 23, 2010