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## CALL FOR PAPERS

PROMISE 2014 – The 10th International Conference on Predictive Models in Software Engineering

<http://promisedata.org/2014/>

September 17, 2014, Turin, Italy

Satellite event of ESEM 2014 – 8th International Symposium on Empirical Software Engineering and Measurement

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PROMISE conference is an annual forum for researchers and practitioners to present, discuss and exchange ideas, results, expertise and experiences in construction and/or application of prediction models in software engineering. Such models could be targeted at: planning, design, implementation, testing, maintenance, quality assurance, evaluation, process improvement, management, decision making, and risk assessment in software and systems development. PROMISE is distinguished from similar forums with its public data repository and focus on methodological details, providing a unique interdisciplinary venue for software engineering and machine learning communities, and seeking for verifiable and repeatable prediction models that are useful in practice.

### Special Theme

The special theme of PROMISE'14 is "Software analytics in 2020". In particular, we would like to see predicting models aimed at covering aspects of software engineering that were not fully covered, or were partially covered only, in the past. Examples include aspects related to licensing, security, energy consumption, etc. Note that while we encourage papers fitting the special theme, PROMISE 2014 welcomes any paper relevant to the conference topics.

### Topics of Interest

(Application oriented): Predicting for cost, effort, quality, defects, business value; quantification and prediction of other intermediate or final properties of interest in software development regarding people, process or product aspects; using predictive models in policy and decision making; using predictive models in different settings, e.g. lean/agile, waterfall, distributed, community-based software development.

(Theory oriented): Interdisciplinary and novel approaches to predictive modeling that contribute to the theoretical body of knowledge in software engineering; verifying/refuting/challenging previous theory and results; the effectiveness of human experts vs. automated models in predictions.

(Data and model oriented): Data quality, sharing, and privacy; ethical issues related to data collection; metrics; contributions to the repository; model construction, evaluation, sharing and reusability; tools and frameworks to support researchers and practitioners to collect data and construct models to share/repeat experiments and results.

## Kinds of Papers

We invite all kinds of empirical studies on the topics of interest (e.g. case studies, meta-analysis, replications, experiments, simulations, surveys etc.), as well as industrial experience reports detailing the application of prediction technologies and their effectiveness in industrial settings. Both positive and negative results are welcome, though negative results should still be based on rigorous research and provide details on lessons learned. Following the tradition, PROMISE'14 will give the highest priority to empirical studies based on publicly available datasets. It is therefore encouraged, but not mandatory, that conference attendees contribute the data used in their analysis to the on-line PROMISE data repository.

We solicit both full and short papers. Short papers are intended to disseminate new ideas, on-going work and preliminary results for early feedback, and do not necessarily require complete results as in full papers. The deadline for short papers is the same as full papers.

## Important dates:

Submission deadline: May 16, 2014

Notification date: June 23, 2014

Camera-ready copy: July 5, 2014

## Submissions

PROMISE 2014 submissions must meet the following criteria:

- be original work, not published or under review elsewhere.
- conform to the ACM SIG proceedings templates from <http://goo.gl/wE1k>
- not exceed 10 (4) pages for full (short) papers including references.

Papers should be submitted via EasyChair (please choose either "full" or "short" papers): <http://www.easychair.org/conferences/?conf=promise2014>

Accepted papers will be published in the ACM digital library.

## ORGANIZATION:

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