Call for Papers

5th International Workshop on Emerging Trends in Software Metrics – WETSoM 2014

ICSE 2014 – MAY 31-June 7 – Hyderabad, India

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The 5th International Workshop on Emerging Trends in Software Metrics, held within ICSE 2014 conference (http://2014.icse-conferences.org/), is aimed to gather together researchers and practitioners to discuss the progress of software metrics. The motivation for this workshop is the low impact that software metrics has on current software development. The goals of this workshop includes critically examining the evidence for the effectiveness of existing metrics and identifying new directions for metrics. Evidence for existing metrics includes how the metrics have been used in practice and studies showing their effectiveness. Identifying new directions includes use of new theories, such as complex network theory, on which to base metrics. The topics of interest include, but are not restricted to, the following:

- New software metrics to assess quality and effort
- Complex network theory and its application to software structure and growth
- Micro-patterns and other code-style related metrics
- Metrics for agile products, processes and teams
- Dynamic tracking of software projects using metrics
- Metrics-based quality prediction
- Metrics related to Cloud Computing
- Metrics to check conformance to object oriented principles,
- Metrics for Open Source software products and processes
- Software architecture metrics, including service oriented architectures, and their application to software maintenance and evolution
- Quality of Service and Service Level Agreement metrics
- Metrics related to software for mobile terminals
- Metrics for measuring the security level of software applications.
- Metrics for increased understanding of low level design with quality mapping of metrics, Effective usage of metrics to aid peer code review,
- Metrics that facilitate maintenance and modification of code in legacy systems,
- Aspect-oriented metrics.

INSTRUCTIONS TO AUTHORS

We are soliciting contributions in the form of regular papers (7 pages). All papers should be in the ACM SIG Proceedings format, as required for the ICSE (see www.acm.org/sigs/publications/proceedings-templates). Papers must be original and not under consideration for publication elsewhere. Authors must clearly explain their position, in reference to the issues raised in this Call. All submissions will be reviewed by members of the program committee and the organizing committee for quality and relevance. Accepted papers will become part of the workshop proceedings and published in the ICSE companion proceedings. Each submission must include an abstract and a list of keywords. All submissions should be submitted electronically in PDF format, following the instructions on the workshop web site: http://www.rcost.unisannio.it/wetsom2014.

IMPORTANT DEADLINES

Paper submission: January 24, 2014
Paper acceptance notification: February 24, 2014
Camera-ready version: March 7, 2014
Workshop date: May 14, 2014