

1st International Workshop on Replication in Empirical Software Engineering Research

Cape Town, South Africa, 4 May 2010
at 32nd Intl. Conference on Software Engineering

RESER

<http://sequoia.cs.byu.edu/reser2010>

Theme Many fundamental results in Software Engineering suffer from threats to validity that can be addressed by replication studies. These threats include: 1) Lack of independent validation of empirical results; 2) Contextual shifts in Software Engineering practices or environments since the time of the original research studies; and 3) Limited data sets at the time of the original research studies.

However, certain factors discourage replication studies: 1) A perception persists that replication studies are less valuable than the presentation of original studies; 2) Data sets are often not made publicly available; 3) Reports of empirical studies are often not sufficiently detailed to foster replication; and 4) Research tools are either not available or not usable, so precise replication is impractical.

Deadlines

Submission: 18 March 2010

Notification: 8 April 2010

Camera Ready: 15 April 2010

Organizing Committee

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Megan Squire – *Elon University, USA*

Sira Vegas – *Universidad Politécnica de Madrid, Spain*

Claes Wohlin – *Blekinge Institute of Technology, Sweden*

Murray Wood – *University of Strathclyde, UK*

Primary Goals The primary goal of this workshop is to raise the perceived value of replication work by creating both recognition for, and awareness of, replication studies. The workshop aims to encourage revisiting results, especially those that have long been accepted but which in fact have only weak empirical support. In addition, the workshop seeks to identify and suggest solutions for recurring practical problems in selecting, designing, and performing replication studies. The workshop also seeks to advance the state of research reporting techniques and tool development and deployment, with a focus on making experiments repeatable and tools more reusable.

Topics We invite both full and short papers in the following areas:

Theory

- Philosophical position papers
- Research methodologies for replication
- Insights from other research fields

Methods

- Replication techniques
- Tools for replication
- Reliable and accessible data stores
- Methods of reporting results to facilitate future replication
- Insights from other research fields

Practice

- Replicated studies – positive results, negative results
- Replication of classic Software Engineering tenets
- Surveys of replication studies in selected topic areas
- Insights from other research fields

Submissions Paper submissions must be original work that has not been previously published or submitted for publication elsewhere. Papers must be in English and must follow the *ACM SIG Proceedings Format*. Full papers should be 6-10 pages; short papers should be 4-5 pages. Instructions for submission are posted on the workshop website (<http://sequoia.cs.byu.edu/reser2010>).

Proceedings To encourage the free sharing of ideas and preliminary results, and to allow for future conference and journal publication of accepted papers, papers will be distributed to workshop attendees, but will not be published in the ICSE companion proceedings.

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