Second International Workshop on Conducting Empirical Studies in Industry (CESI 2014) – An ICSE 2014 Workshop

www.essi.upc.edu/~franch/cesi2014

Workshop Organization

Xavier Franch, U. Politècnica de Catalunya, Spain
Nazim H. Madhavji, U. of Western Ontario, Canada
Anitha PC, Siemens, India
Andriy Miranskyy, IBM, Canada

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Preethu Rose Anish, Tata Consultancy Services, India
Muhammad Ali Babar, U. of Adelaide, Australia
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John Terzakis, Intel, USA
Marco Torchiano, Politecnico Torino, Italy
Salvador Trujillo, Ikerlan, Spain
Larry Votta, Brincos, USA
Roel Wieringa, U. Twente, The Netherlands
Kentaro Yoshimura, Hitachi, Japan

Important Dates

Submission of papers:	January 24, 2014
Notification:	February 24, 2014
Camera-ready:	March 14, 2014
Workshop:	June 2, 2014

Call for Papers

Empirical studies lie at the heart of software engineering (SE). Researchers increasingly face the need to demonstrate the validity of their technological solutions by conducting credible studies, and there is a need for empirical studies for theory building and evaluation. The quality of these studies is a determinant of the success and future evolution of SE.

Empirical studies conducted in industrial settings are particularly challenging because the actual environments are complex and what is first observable by researchers is only tip of the iceberg. Yet, investigative questions must be formulated, valid constructs need to be defined, trust needs to be in place, quality data must be gathered within small time-frames, etc.

Building on the success of CESI 2013, this workshop seeks to hold a follow-on at ICSE 2014. While consolidating on community building, the proposed workshop aims at: recognising uncommon but successful practices for conducting empirical studies in industry; seeking out new knowledge and research directions to add the knowledge-base resultant from CESI 2013; and at fostering networking among the participants. A long-term goal of the series of CESI workshops is to create a vibrant research and practice community with a focus on conducting quality empirical studies in industry in the hope that their results will lead to improved software engineering.

Topics of interest include, but are not restricted to: how to recognise issues in practice that warrant conducting empirical studies in actual projects; formulating investigative questions, responses to which would benefit the purpose of the study; improving communication between researchers and practitioners; dealing with threats in the design of, and in conducting, empirical studies in industry; designing and conducting a family of studies; interpreting results in industrial contexts; impact of industrial settings on the design of, and on conducting, case studies, action research, studies in the field, exploratory studies, longitudinal studies, etc.; designing and conducting surveys; enablers for ensuring that results of a study are utilised fruitfully.

Paper categories

Experience reports describe the experience with conducting studies in industry over a period of time and lessons that have been learnt that would be useful to add to the body of knowledge on conducting empirical studies in industry.

Technical papers are expected to focus on empirical studies conducted in industry, highlighting original aspects concerning the way the studies were designed or conducted to overcome industrial challenges, and their outcomes. Also expected in these papers are comparisons of the advances made against the state-of-the-art.

Experience reports and technical papers are limited to be in the 4-6 pages range for the core material. A further up to 2 pages is permitted as appendix.

Practitioner messages. Industry participants are particularly invited to submit their views on conducting empirical studies in industry. Practitioner messages are limited to 1-2 pages long.

Papers must describe original work not submitted or presented at other forums. Accepted papers will be published in electronic ICSE proceedings. A short post workshop report is planned to be submitted to ACM SEN. A longer report may also be written if the outcome of the workshop is especially challenging. Depending on the number and quality of submissions, the organizers will explore the possibility of editing a special issue of a major journal.

Keynote speaker

Bill Curtis from CAST Software will present an invited talk in the workshop.

Submission information

Submissions are required to be uploaded electronically in pdf form at the Easychair workshop submission site, https://www.easychair.org/conferences/?conf=cesi2014. Submissions must be formatted according to ICSE 2014 guidelines (see http://2014.icse-conferences.org/format for instructions and templates).