7th International Workshop on Conducting Empirical Studies in Industry (CESI 2019)

2xth May 2019, Montréal, Canada. At the 41th International Conference on Software Engineering (ICSE 2019).

ICSE 2019 MONTRÉAL

Workshop Organization

Andreas Jedlitschka, Fraunhofer IESE, Germany
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Contact

- Website: http://cesi-workshops.org/cesi-2019
- Twitter: @cesi_chairs

Important Dates

Submission of papers:	February 1, 2019
Notification:	March 1, 2019
Camera-ready:	March 15, 2019
Workshop:	May 2x, 2019

Workshop Theme and Topics of Interest

Challenges in conducting empirical research and data-driven approaches in and with industry arise from the complexity of systems, products and services, processes, organizational settings, business contexts, etc., and from the sometimes contradicting goals of researchers (search for truth) and practitioners (search for solutions). Yet, empirical studies and data-driven approaches in industry are necessary to evaluate the relevance and applicability of software engineering research in the real world and to continuously improve development processes and products. The goal of CESI is to look beyond research methodologies, focusing on how results from empirical research and data-driven approaches can be obtained and put into action in industrial settings. Building on the results of six previous editions of the CESI@ICSE and utilizing the momentum created in the community, CESI 2019 will push further with a theme investigating the role of **data-driven development and software analytics in industry**. The workshop will investigate if and how results obtained in specific industry contexts can help advance the industry in general. Also, CESI will investigate the impact of empirical studies conducted in industry, including successes and failures. Topics of interest include, but are not limited to:

- Data-driven development approaches used in industry (experience reports)
- Data analytics in the context of service, product and process creationimprovement
- Accessing, sharing, publishing datasets and insights from data analytics
- Balancing researchers' needs and practitioner's needs
- Impact of industrial settings on design, execution, reporting, interpretation
- Integration of empirical research and data-driven development/data analytics
- Threats of empirical research in industry, handling perceptions and bias
- Communication of researchers and practitioners
- Context-driven research
- Integration of results from data analytics and empirical work
- Generalization of empirical research in industry conducted in specific contexts
- Impact of empirical research on industry practice, technology/knowledge transfer
- Understanding failures and successes, lessons learned

Paper categories

Position and vision papers (2 to 4 pages) describe new directions in conducting empirical studies in industry, with convincing arguments supported by clear rationale.

Technical papers (6 to 8 pages) present empirical studies conducted in industry highlighting concrete results and the way the studies were designed or conducted to overcome industrial challenges, or on empirical methods that produce actionable results. Supplementary material might be made available online. Papers may compare advances made against the state-of-the-art.

Experience reports (up to 8 pages) describe experience in conducting studies in industry and lessons learned that would be useful to add to the body of knowledge on conducting empirical studies in industry.

Fast abstracts and practitioner messages (up to 2 pages) are particularly intended for practitioners who are invited to submit their views on conducting empirical studies in industry.

Artifact papers (up to 2 pages) report artifacts for empirical research that could contribute to building a repository/corpus for industry, education and research. Papers must include a link to the actual artifacts.

Papers must describe original work not submitted or presented at other forums. Accepted papers will be published in electronic ICSE proceedings. The official publication date of the workshop proceedings is the date the ICSE proceedings are made available in the ACM Digital Library. This date may be up to two weeks prior to the first day of ICSE 2019. The official publication date affects the deadline for any patent filings related to published work. The submission Web page for CESI 2019 is https://easychair.org/conferences/?conf=cesi2019

Keynotes, Invited Talks, Panel

Keynotes: Ayse Bener, Ryerson University, Canada and Pedro Chaparro, Google, Switzerland

Invited talks: Heiko Koziolek, ABB, Germany and Per Runeson, Lund University, Sweden

Expert Fishbowl Panel at the end of the workshop aiming at consolidating findings.