

# 2nd International Workshop on Software Analytics (SWAN 2016)

## CALL FOR PAPERS

Many prominent tech companies have embraced an analytics-driven culture to help improve their decision making. Analytics include methods of gathering, preprocessing, transforming and modelling raw data with the purpose of highlighting useful information and drawing conclusions from it. Software analytics are used to leverage large volumes of data from multiple sources to help practitioners make informed decisions about their projects. While analytics solutions demonstrated promising results, there are many challenges left concerned with developing, integrating, adopting analytics into software development processes.

The second International Workshop on Software Analytics ([SWAN 2016](#)) aims at providing a common venue for researchers and practitioners across software engineering, data mining and mining software repositories research domains to share new approaches and emerging results in developing and validating analytics rich solutions, as well as adopting analytics to software development and maintenance processes to better inform their everyday decisions. SWAN 2016 will be co-located with [the 24th ACM SIGSOFT International Symposium on the Foundations of Software Engineering](#) and held on November 13, 2016 in Seattle, WA, USA.

The goals of the workshop are to discuss progress on software analytics, data mining and analysis; to gather empirical evidence on the use and effectiveness of analytics; and to identify priorities for a research agenda. The workshop invites both academic researchers and industrial practitioners for an exchange of ideas and collaboration.

## TOPICS

Topics of interest include, but are not limited to:

- Applications of software and data analytics to support decision making;
- Data-driven approaches for data exploration and analysis;
- Predictive analytics;
- Web analytics, development analytics, business intelligence tools, Hadoop tools;

- Quantitative vs. qualitative analytics;
- Large-scale data mining, analysis and analytics;
- Software analytics for various stakeholders (e.g., managers vs. developers);
- Methods of integrating data from multiple sources (applications, interfaces, mobile apps);
- Empirical studies on how software analytics are used in practice and their effectiveness;
- Negative results (“what did not work”) when adopting software analytics, and experience reports;
- Identification of open research challenges and proposed solutions.

## SUBMISSION INFORMATION

[SWAN 2016](#) invites contributions in the form of **short (4-page)** and **full (7-page)** papers from both academia and industry. All submissions should describe unpublished work and must have been neither previously accepted for publication nor concurrently submitted for review in another journal, book, conference, or workshop. Submissions can be position papers, research papers, studies, experience or practice reports.

All submissions must conform to the [ACM proceedings paper format guidelines](#), see and must not exceed 7 pages (including all text, figures). If the submission is accepted, at least one author must attend the workshop and present the paper.

Paper submissions should be uploaded electronically in PDF format to [SWAN 2016 EasyChair submission site](#) by July 01, 2016 (AoE Time).

## IMPORTANT DATES

<b>Paper submission:</b>	July 01, 2016 (AoE Time)
<b>Author notification:</b>	August 08, 2016
<b>Camera-ready:</b>	September 15, 2016 (AoE Time)
<b>Workshop day:</b>	November 13, 2016

## ORGANIZERS

[Olga Baysal](#), Carleton University, Canada  
[Jacek Czerwona](#), Microsoft Research, USA  
[Latifa Guerrouj](#), Ecole de Technologie Supérieure, Canada  
[David Lo](#), Singapore Management University, Singapore  
[Brendan Murphy](#), Microsoft Research, UK