Message from the IWSF 2017 Chairs

On behalf of the Organizing Committee, it is our pleasure to welcome you to the 2nd International Workshop on Software Faults (IWSF'17), co-located with the 28th IEEE International Symposium on Software Reliability Engineering (ISSRE 2017) in Toulouse, France.

With the increasing use of software systems comes the need for better software quality control techniques. Software quality is a broad concept that has many manifestations in areas like software reliability, software security, software testing, software maintenance, and so on. These areas share the common objective of preventing, detecting, and correcting faults.

The goal of the 2nd International Workshop on Software Faults (IWSF'17) is to look at specific reliability issues of software faults, defects, anomalies or bugs, for a wide variety of industries and types of systems with the goal to identify similarities, differences in processes, categorizations, diagnostics and solutions. A good starting theme would be to look at run-time crashes of systems, and how we relate them to design and implementation flaws. In addition, while the general concept of faults is well studied in areas like software testing, domain-specific faults have not received as much attention.

The workshop hope to bring together researchers and practitioners working in various areas of software and system engineering to reason about the concept of faults, share results and ongoing work, and foster collaborations.

This year, the workshop features a keynote speech by Dr. Katerina Goseva-Popstojanova from West Virginia University, followed by two sessions where original papers are presented. This year’s workshop features the following talks:

1. Estimation of the Total Number of Software Failures from Test Data and Code Coverage by Harald Stieber, Linghuan Hu and W. Eric Wong.
2. Cross Project Defect Prediction via Domain Adaptation by Chen Shu and Ye Junmin
4. Workload dependent Fault Analysis by Mehul Vora and Manoj Nambiar
5. Toward an Embedded Multi-Agent System Methodology and Positioning on Testing by Camille Barnier, Oum-El-Kheir Aktouf, Annabelle Mercier and Jean-Paul Jamont.

We would like to take this opportunity to thank the organizing committee and program committee members for their efforts in reviewing the papers and developing this year program. Moreover, we would like to thank the organizers of the ISSRE conference for their help and continued support of IWSF.

Organizing Committee:

- Sigrid Eldh, Ericsson, Stockholm, Sweden
- Wahab Hamou-Lhadj, Concordia University, Montreal, QC, Canada
- Alf Larsson, Ericsson, Stockholm, Sweden
- Andriy Miranskyy, Ryerson University, Toronto, ON, Canada