2018 ACM/IEEE 1st International Workshop on Software Qualities and Their Dependencies
SQUADE 2018

Table of Contents

Message from the ICSE 2018 General Chair ................................................................. vii
Message from the SQUADE 2018 Chairs ........................................................................ x
Organizing Committee for SQUADE 2018 ................................................................. xii
Program Committee for SQUADE 2018 ................................................................. xiii
ICSE 2018 Sponsors and Supporters ........................................................................... xv

Workshop Papers

Software Quality through the Eyes of the End-User and Static Analysis Tools: A Study on Android OSS Applications .................................................................................................................. 1
  Kamonphop Srisopha (University of Southern California) and Reem Alfayez (University of Southern California)

Assessing the Release Readiness of Engine Control Software ........................................ 5
  Sichao Wen (Volvo Car Group), Christoffer Nilsson (Volvo Car Group),
  and Miroslaw Staron (Chalmers/University of Gothenburg)

Prioritizing Alerts from Multiple Static Analysis Tools, Using Classification Models ................... 13
  Lori Flynn (Software Engineering Institute), William Snively (Software Engineering Institute),
  David Svoboda (Software Engineering Institute), Nathan VanHoudnos (Software Engineering Institute),
  Richard Qin (Software Engineering Institute), Jennifer Burns (Software Engineering Institute),
  David Zubrow (Software Engineering Institute),
  Robert Stoddard (Software Engineering Institute), and Guillermo Marce-Santurio (Software Engineering Institute)

Learning-Based Response Time Analysis in Real-Time Embedded Systems: A Simulation-Based Approach .......................... 21
  Mahshid Helali Moghadam (RISE SICS Västerås/Mälardalen University),
  Mehrdad Saadatmand (RISE SICS Västerås), Markus Borg (RISE SICS Lund),
  Markus Bohlin (RISE SICS Västerås), and Björn Lisper (Mälardalen University)

Towards a Classification of Bugs to Facilitate Software Maintainability Tasks ..................... 25
  Mathieu Nayrolles (Concordia University) and Abdelwahab Hamou-Lhadj
  (Concordia University)

The Quality of Junit Tests: An Empirical Study Report .................................................. 33
  Dor Ma’ayan (Technion)