Message from the Workshop Chairs

Bridge 2016

Welcome to the First International Workshop on Bringing Architecture Design Thinking into Developers’ Daily Activities (Bridge), held on May 17 in Austin, TX, and co-located with the 38th International Conference on Software Engineering (ICSE 2016).

In software engineering, there has traditionally been a distinction between high-level architecting and low-level implementation activities (such as coding). Those who are developing and maintain the software are often not engaged in early design phases of the software; junior software programmers tend to lack design thinking and architectural skills. On the other hand, architects are often blamed for not knowing how to write good code or not being engaged in low-level (often technical) challenges of implementing a software system. This causes a knowledge gap which results in software quality issues such as an implementation that is drifted from initial design, missing architectural choices in the code, or incorrect implementation of architectural decisions.

The continuous shift towards reducing upfront architecture design efforts, and the popularity of practices such as test-first development, highlight the importance of bridging the software implementation practices with new architecting notions, practices and tools. Bridge 2016 aims to bring the community of architects, developers, and testers together to identify and formulate challenges related to designing, implementing and maintaining the architecture.

We accepted research papers and position papers for publication in the proceedings. After advertising the workshop through different channels and receiving submissions, each submitted paper received at least three reviews from members of the program committee. We used EasyChair to manage the submission and review process. The workshop organizers discussed all papers to make final decisions about the inclusion in the proceedings. The workshop also includes two invited talks by Marija Mikić (Google) and David Garlan (CMU).

We would like to thank the program committee for their diligence in reviewing the submissions. We were very pleased to receive high quality reviews. We also thank the ICSE workshop chairs and ICSE proceedings chairs for their support in organizing this workshop. Finally, we thank the authors for their submissions and enthusiasm.

Matthias Galster, Mehdi Mirakhorli, and Nenad Medvidovic
Bridge 2016 Co-chairs