Automated Synthesis: Going Distributed

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Abstract

Synthesis is particularly challenging for concurrent programs. At the same time it is a very promising approach, since concurrent programs are difficult to get right, or to analyze with traditional verification techniques. The talk provides an introduction to distributed synthesis in the setting of Mazurkiewicz traces, and its applications to decentralized runtime monitoring.

1998 ACM Subject Classification D.2.4 Software/Program Verification, D.1.3 Concurrent Programming, I.2.2 Automatic Programming

Keywords and phrases Concurrent programs, Distributed synthesis, Runtime monitoring

Digital Object Identifier 10.4230/LIPIcs.CSL.2016.4

Category Invited Talk

References


