Kragl, Bernhard; Qadeer, Shaz; Henzinger, Thomas A.  
Refinement for structured concurrent programs. (English) [Zbl 1478.68044]  

Summary: This paper presents a foundation for refining concurrent programs with structured control flow. The verification problem is decomposed into subproblems that aid interactive program development, proof reuse, and automation. The formalization in this paper is the basis of a new design and implementation of the CIVL verifier.

For the entire collection see [Zbl 1453.68017].

MSC:

- 68N19 Other programming paradigms (object-oriented, sequential, concurrent, automatic, etc.)  
- 68Q60 Specification and verification (program logics, model checking, etc.)

Full Text: DOI