

- ▶ RAJA NATARAJAN, *Reasoning about synchronization protocols*.
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Synchronization protocols, especially those that handle multiway synchronization, have been an active area of research for several years. Although a number of mechanisms to achieve multiway synchronization have been proposed [1, 2] – some of the synchronization aspects of protocols have been shown to contain subtle errors [3, 4]. Thus it is desirable to have a logic to reason about the correctness of such protocols. We develop a logic for the formal analysis of binary and multiway synchronization protocols, with and without the preemption feature.

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