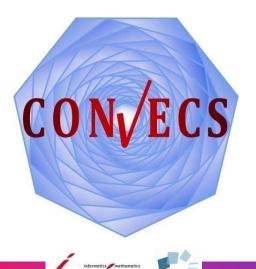
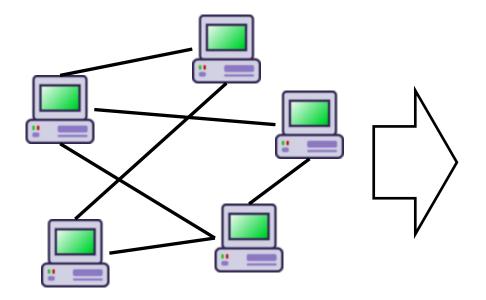
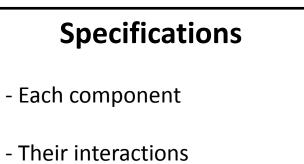
Rapid Prototyping of Formally Verified Distributed Systems (Officially: "Parallel Code Generation in the Cloud")

## **Hugues EVRARD**

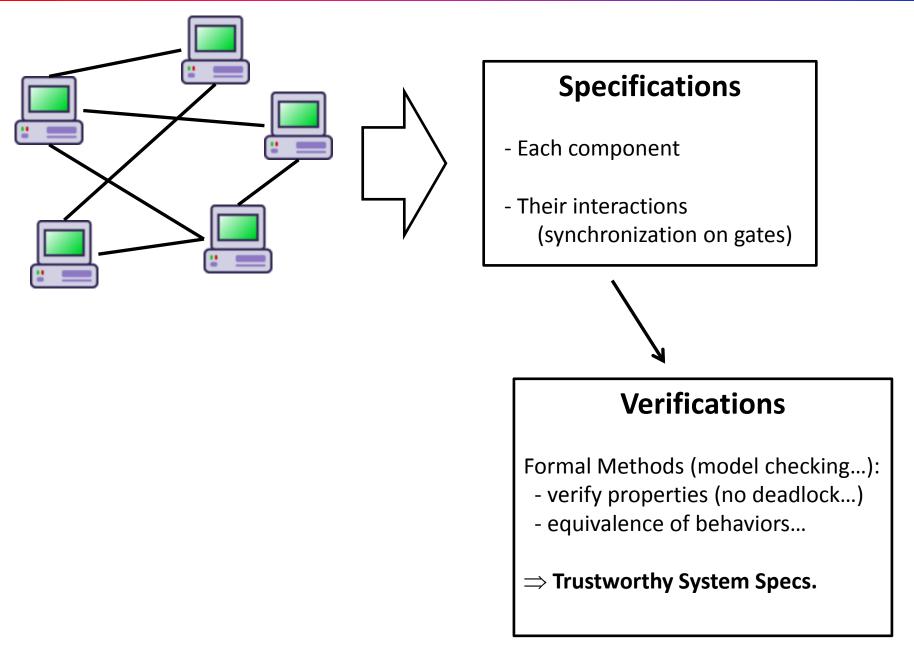




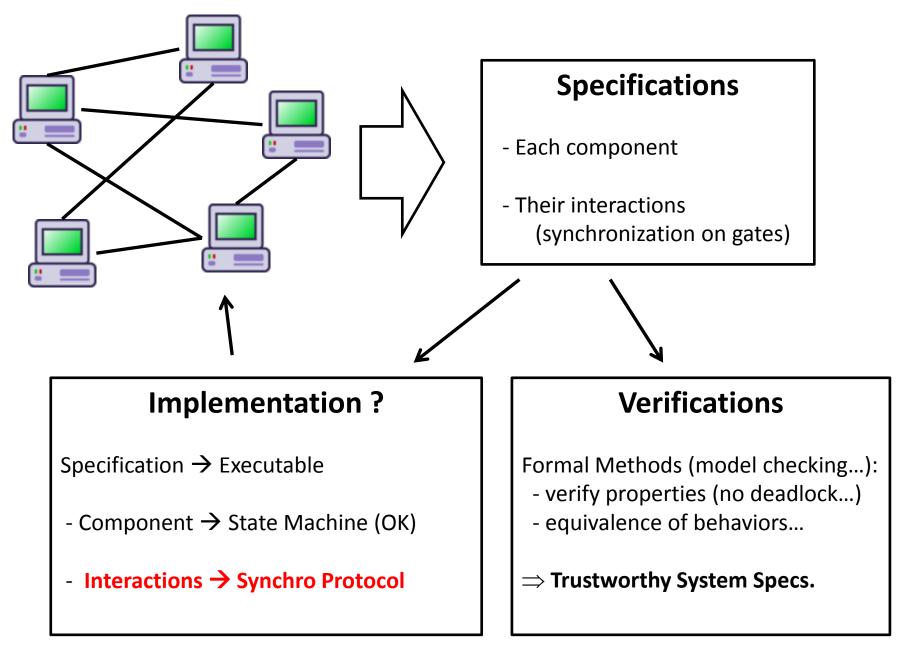


(synchronization on gates)

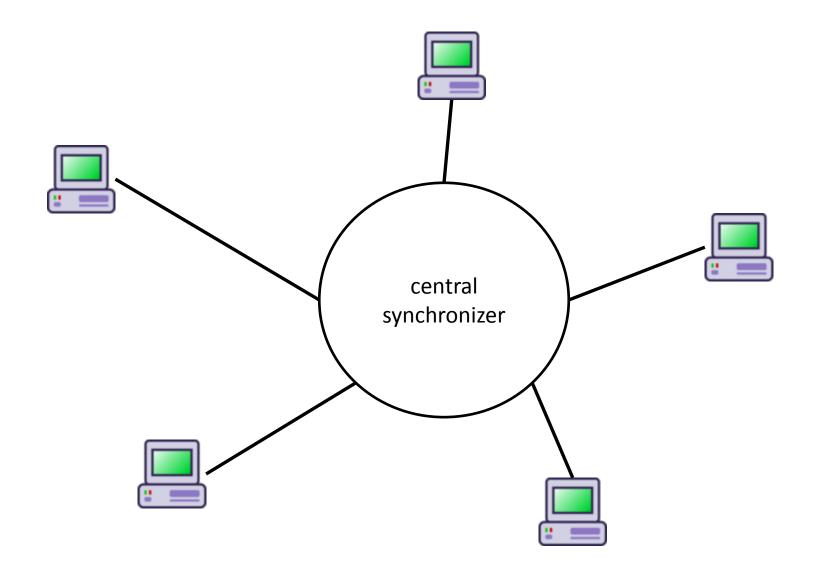




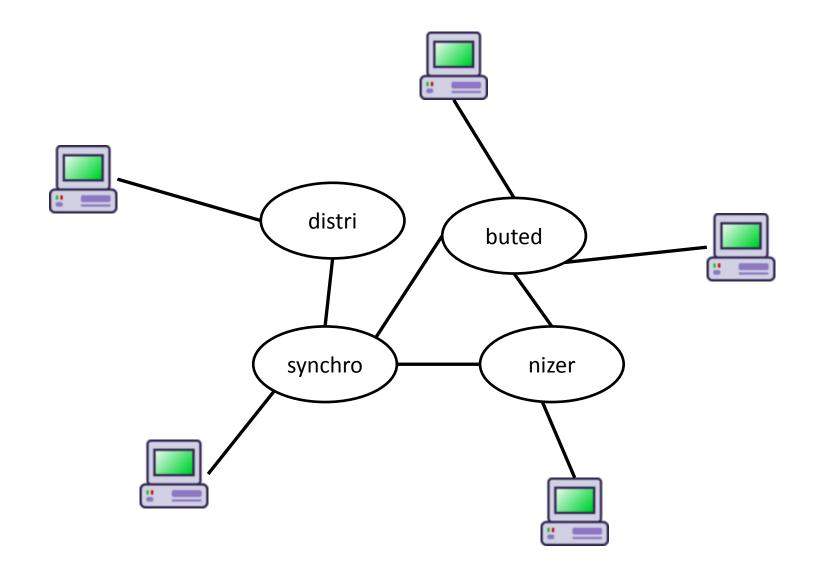




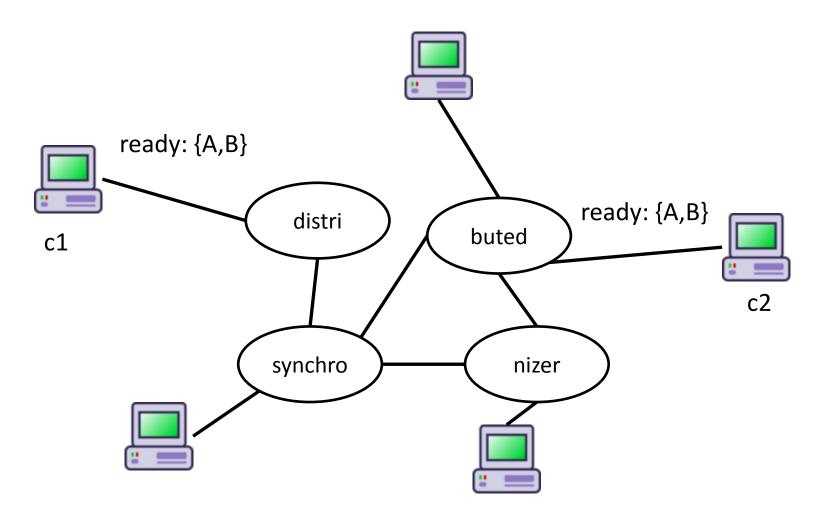












G

non-determinism:

Components can be ready on several synchro at the same time

eg: Both c1 and c2 are ready on synchro A and B

## **THANKS**

## • Paper:

- "Formal Verification of Distributed Branching Multiway Synchronization Protocol" (Evrard, Lang, FORTE'13)
- (Found a bug in an already published protocol)

