



Colloquium

Hybrid automata: modeling and reachability analysis

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Host:

Hybrid automata extend finite state machines with real valued variables that are subject to continuous evolutions (during time elapsing) constrained by differential constraints and subject to discrete evolutions (during mode switches) constrained by guards and updates. A large part of the talk will target a general audience of researchers interested in the modeling of systems ranging from embedded control systems to biological systems. In a last part of the talk, I will present recent results about the decidability frontier of the time-bounded reachability problem for hybrid automata.

Monday, October 10, 2011 04:45pm - 05:45pm

Raiffeisen Lecture Hall, Central Building



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