SYCYPHOS - A Framework for Designing Cyber Physical Systems

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Combining distributed computer ('cyber') and physical systems leads to new challenges that are not yet solved, neither by tools nor by methodologies. The methodology handles design issues and provides a (work in progress) tool for the design of cyber physical systems. The tool supports modeling of distributed and heterogeneous systems -- in particular at functional level -- while offering means for power estimation and for analyzing the impact of non-ideal behavior of micro- or nanoelectronic implementations.



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