Session 23
Datapath Synthesis and Modeling

Chair: Robert A. Walker
Organizers: G. De Micheli, G. Borriello

This session presents three new directions for data path modeling and synthesis: symbolic modeling for design space exploration, integrating built-in self-test and estimating the impact of layout tools.

23.1 Symbolic Modeling and Evaluation of Data Paths*
Chuck Monahan, Forrest Brewer

23.2 Data Path Allocation for Synthesizing RTL Designs with Low BIST Area Overhead
Ishwar Parulkar, Sandeep Gupta, Melvin A. Breuer

23.3 Deriving Efficient Area and Delay Estimates by Modeling Layout Tools
Donald S. Gelosh, Dorothy E. Setliff

*Best Paper Award candidate