Session D-06: Data Path and Control Synthesis

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This session presents a genetic algorithm formulation of scheduling, an approach for integrated scheduling and allocation, and a method for controller synthesis from Petri net specification.

GSA: Scheduling and Allocation Using Genetic Algorithm
   Ali Shahid, Muhammed S.T. Benten, and Sadiq M. Sait

OSCAR: Optimum Simultaneous Scheduling, Allocation and Resource Binding Based on Integer Programming
   Birger Landwehr, Peter Marwedel, and Rainer Dömer

Parallel Controller Synthesis from a Petri Net Specification
   Krzysztof Bilinski, E.L. Dagless, Jonathan M. Saul, and Marian Adamski