Session D-12: HW/SW Partitioning

Chair: Klaus Buchenrieder, Siemens AG, München, Germany

The session focusses on methods to partition implementation-independent descriptions into hardware and software modules. The general research theme of the session is to devise appropriate cost functions, and to optimize HW/SW partitions by optimizing the cost functions.

A Binary-Constraint Search Algorithm for Minimizing Hardware During Hardware/Software Partitioning
   Frank Vahid, Daniel D. Gajski, and Jie Gong

A Method for Partitioning UNITY Language in Hardware and Software
   Xun Xiong, Edna Barros, and Wolfgang Rosenstiel

Hardware/Software Partitioning and Minimizing Memory Interface Traffic
   Axel Jantsch, Peeter Ellervee, Ahmed Hemani, Johnny Öberg, and Hannu Tenhunen