Session D-07: Simulation of Mixed Systems

Chair: K.-L. Paap, GMD Gesellschaft für Mathematik und Datenverarbeitung, St. Augustin, Germany

The session deals with fast methods for simulation and modeling of parasitic effects in mixed systems.

Parallel Algorithms for the Simulation of Lossy Transmission Lines
W. Rissiek, O. Rethmeier, and H. Holzheuer

Mixed Electrical-Thermal and Electrical-Mechanical Simulation of Electromechatronic Systems using PSPICE
Konstantin O. Petrosjanc and Peter P. Malteev

TRICAP — A Three Dimensional Capacitance Solver for Arbitrarily Shaped Conductors on Printed Circuit Boards and VLSI Interconnections
Matthias Trösch, Hans Hartmann, Georg Klein, and Andreas Plettner

Advanced Simulation and Modeling Techniques for Hardware Quality Verification of Digital Systems
S. Forno and Stephen Rochel