Session 11A: New Applications of Analogue Simulation Algorithms
Moderator: P. Schwarz, FHG Dresden, Germany, and Hazem El Tahawy, ANACAD, France

The first paper presents a powerful mathematical approach for computation of a rational transfer function (applied on inductance calculation). In the second paper a Simulation Control Language and System is described. In the third paper the three-dimensional thermal equivalent circuit is presented.

Efficient Reduced-Order Modeling of Frequency-Dependent Coupling Inductances Associated with 3-D Interconnect Structures
L.M. Silveira, M. Kamon, and J. White

On Software Development to Support Statistical Simulation of Analogue Circuits
E. Driouk, O. Jarov, and A. Sukhodolsky

Multilevel Thermal Simulation of MCMs by System “MONSTR-M”
V.A. Koval and D.V. Fedasyuk