

Best Paper Awards

Each year the Design, Automation and Test in Europe Conference presents awards to the authors of the most outstanding papers of previous year's conference. The selection is based on the results of the reviewing process and the voting by the conference participants.

The paper selected as the most outstanding in the field of CAD is:

Reduced-Order Modeling of Large Linear Passive Multi-Terminal Circuits Using Matrix-Padé Approximation

by Roland W. Freund and Peter Feldmann of Lucent Technologies, Murray Hill USA

The authors present a novel algorithm and its implementation for accurate and fast simulation of large passive RLC networks containing in excess of 10,000 circuit elements. Such networks occur regularly in the modeling of interconnect networks in deep-submicron chips.

The paper selected as most outstanding in the field of Test is:

Measuring the Effectiveness of Various Design Validation Approaches for PowerPC

by Li-C. Wang, Magdy S. Abadir of Motorola, Austin Texas and Jing Zeng of IBM, Austin, Texas USA

These authors present a systematic and quantitative evaluation of different validation techniques to detect design errors in complex, manually designed, embedded arrays on microprocessors. They show assertion tests to be the most effective technique and propose novel methods to improve its effectiveness.

Congratulations to the winners!