

Best Paper Awards

Each year the Design, Automation and Test in Europe Conference presents awards to the authors of the most outstanding papers of the 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 (track A) is:

Trace-Driven Application Modeling for System-Level Performance Analysis

by Radu Marculescu and Amit Nandiof Carnegie Mellon University, USA

The authors address the problem of selecting a platform for a set of target multimedia applications, and use Stochastic Automata Networks to carry out a system-level analysis. This method is illustrated on an MPEG-2 video decoder application.

The paper selected as the most outstanding in the field of Tools (track B) is:

An Extension of SystemC for Mixed Multi-Level Communication Modeling and Interface-Based System Design

by Robert Siegmund and Dietmar Mueller of Chemnitz University of Technology, Germany

The authors extend SystemC with a new design unit called the interface and illustrate this extension with the modeling of the digital part of a wireless SmartCard transponder-reader/writer system.

The paper selected as the most outstanding in the field of Test (track C) is:

Efficient Test Data Compression and Decompression for System-on-a-Chip Using Integral Scan Chains and Golomb Coding

by Anshuman Chandra and Krishnendu Chakrabarty of Duke University, USA

The authors consider a new compression decompression architecture for testing embedded cores in a SoC. They demonstrate the effectiveness of this approach by applying it to the ISCAS 89 benchmark circuits.

Congratulations to the winners!