Session 5
Issues in EDA Frameworks

Chair: Ken Slater
Organizers: A. Domic, R. Rutenbar

The ever increasing complexity of EDA tools, design flows, and methodologies provides a wealth of difficult problems for designers of EDA frameworks. This session offers new ideas for framework organization, design capabilities, and tool integration. The first paper describes techniques for automatically verifying a partial design against formal requirements. The second paper defines a strategy for integrating schedule management into flow management. The final two papers offer practical methods for automatically generating tool integration code from simple high-level specifications.

5.1 Requirements-Based Design Evaluation
Stephen T. Frezza, Steven P. Levitan, Panos K. Chrysanthis

5.2 Incorporating Design Schedule Management into a Flow Management System
Eric W. Johnson, Jay B. Brockman

5.3 Generating ECAD Framework Code from Abstract Models*
Joachim Altmeyer, Bernd Schürmann, Martin Schütze

5.4 Tool Integration and Construction Using Generated Graph-Based Design Representations
Ansgar Bredenfeld, Raul Camposano

*Best Paper Award Candidate