

Politecnico di Torino Dipartimento Automatica e Informatica Torino, Italy

Electronic CAD & Reliability Group



http://www.cad.polito.it



Areas of Interest

- ASIC and System Test
 - High-level ATPG and DfT
 - BIST
 - Test of Low-Power Circuits
- Reliability and Fault Tolerance
- Design Validation.

On-going Cooperations

- Industries:
 - STMicroelectronics, Milano
 - Italtel, Milano
 - Centro Ricerche FIAT, Torino
 - Elcis, Torino
 - NEC USA, Princeton
- Universities and Research Centers:
 - Brandenburg Technical University, Cottbus, Germany
 - TIMA, Grenoble, France
 - University Carlos III, Madrid, Spain.

On-going Projects

- UE: *Amatista* (with Alcatel Espacio, Madrid; UCIII, Madrid; CRF, Torino; FTL, Southampton):
 - Tools for VHDL Fault Tolerant structures Insertion and Fault Injection.
- ASI (Italian Space Agency)
 - Software Fault-Tolerance
 - Fast Fault Injection techniques
- Italian Ministry for University:
 - Tools for Fault Tolerant systems design.

Current Research Activities

- Testing
- Design Validation
- Fault Tolerance.

Testing

- High-level ATPG
- Processor Testing
- BIST
- Test for Low-Power Circuits
- Test and Co-design.



























For more information

At http://www.cad.polito.it/ you can find:

- bio info
- papers
- tools and benchmarks
- contact info.