TOETS: Work Package 1
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Goal: Transform Test features into product Differentiators

Enhance Access and Control
Self-repair solutions
Self-calibration functions

To the integrators
To end-users

Major Achievement: Wireless Test Access *

- Specific MAC layer: low power, minimal area overhead, reliability
  - Embedded Wireless Test Control Block (WTCB)
  - Test management at circuit level
  - Generic test access

- Adaptive Test Response Handling
  - Centralized Comparison on ATE for full diagnostic
  - Distributed Comparison on DUTs for test time reduction

- Massive parallel test
  ➔ Test time reduction by 4-5

- In Situ/On-line Tests & Diagnostics
  - Easy maintenance
  - Low cost diagnosis

- Switch
  - Reuse native wireless frontend
  - Minimal area overhead

* Works conducted by LIRMM and Ophtimalia

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