TOETS: Work Package 1
Philippe Cauvet, Olivier Potin, Marie-Lise Flottes, Serge Bernard, David Andreu, Ziad Noun

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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

For more information contact:
Paul-Henri Pugliesi-Conti
Email: paul-henri.pugliesi-conti@nxp.com