Online…

Characterisation

# IP Validation

Testing
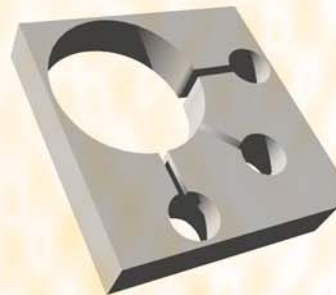
NNTTF

FACILITY

The National Networked TeleTest Facility for Integrated Systems (NNTTF) operates as a virtual centre spanning Australia and is accessible internationally.

NNTTF is a world class Test Facility established in 2002 as a Major National Research Facility (MNRF).

It consists of the Facility Node at ECU in Perth and 5 remote Nodes in Adelaide, Brisbane, Melbourne, Sydney, and Perth. Our global presence is increasing. Email info@teletest.org.au for the node contact in your region.

FUNCTION

The TeleTest network provides a state of the art environment for use by microelectronic research and industry communities in Australia and internationally. The NNTTF allows testing and characterisation of Very Large Scale Integrated (VLSI) circuits and other System-On-Chip (SOC) devices, prior to moving to the manufacturing stage.
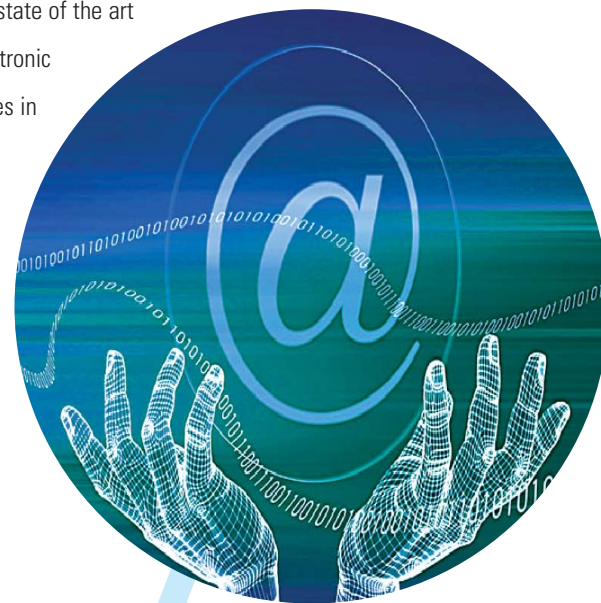
LET US HELP YOU

- Develop your test program
- Develop your hardware interface
- Prepare your vector conversion

SERVICES

Our services include:

- Prototype testing and verification of digital, mixed signal, high-speed and emerging technologies
- Device characterisation and temperature controlled testing
- Real-time digital Intellectual Property validation
- A helpful team in your region providing support for seamless transition of your new IP development to volume production
- An on-FPGA remote IP validation solution to allow real-time complex IP validation on the tester.

If we are not currently able to meet your requirements, we will work with you to develop a new solution based on your specific needs to reduce your device production test time.

EQUIPMENT

The primary test facility is based on an Agilent 93000 SOC Series model P1000 VLSI Tester:

- 512 digital pins at 1Gbps I/O data rate
- 8 network processor channels at 2.5 Gbps
- High resolution analog waveform generator
- High resolution digitiser
- High speed digitiser

REMOTE ACCESS

Australian and International users can remotely access the Facility workstations via the Internet. A Web based booking and scheduling system provides the users with a convenient and simple interface to the testing environment. The user can book an off-line session to set up the device to be tested, prepare the pin, timing and level configurations, and finally debug the test vectors and check their implementation and flow.

Alternatively, an on-line session can be booked where a user can remotely control the tester. In this case the Facility node personnel will perform the required device changes.

The key feature of the NNTTF is that test vectors can be generated on a remote workstation and uploaded onto the Facility workstation. Hence it is possible to remotely test a device as if the Facility was available locally.

TECHNOLOGY TRANSFER & EDUCATION

Training on the Agilent 93000 tester is provided to potential users. Completing the basic course, for example, provides the trainees with competence in setting up the DUT (device under test), functional testing, parametric testing, developing the test flow, and test execution. The training consists of lectures and related laboratory sessions.

http://teletest.org.au

CONTACT

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