DFT Engineer

As an ASIC DFT Engineer in Micron’s Advanced Controller Group, you will utilize and develop DFT infrastructure on complex ASICs. You will be tasked with understanding digital and analogue design and work with the design team to solve test architecture and implementation integration challenges. You will have the opportunity to contribute to all aspects of DFT design, including implementation, test coverage analysis, test pattern generation, and interfacing with production test teams. Knowledge of design processes and experience with other aspects of the implementation flow is advantageous. You should also be familiar with issues such as those of coverage and supporting product engineering. Additionally you will be a self starter; possess excellent analytical and problem solving/debugging skills and have excellent verbal and written communication skills.

Successful candidates for this position will have knowledge and experience of...

- A proven track record in DFT preferably with design experience.
- Experience with test implementation using automated scan and MemBIST insertion and verification tools.
- Experience of JTAG Boundary Scan
- Custom IP testing (PLL, PHYs)
- Industrial DFT tool knowledge ideally Mentor scan and MemBIST
- Scripting and programming languages – Verilog, Perl, Tcl
- Experience with test implementation using automated scan and MemBIST insertion and verification tools.
- Ability to understand advanced digital design architectures and clocking structures to help manage test control and clocking architectures.
- Ability to work with digital and analogue circuit designers to analyse and explore test strategies for mixed signal design implementations combining standard cell logic with high speed custom interface circuits.
- Experience using digital simulation and verification tools.
- Experience with test program generation and working with production test engineering teams is desired.
- Previous digital design and RTL coding experience.

Education:
MS in Electrical, Computer Engineering or related subject with minimum of 5 years of engineering experience, or
BS in Electrical, Computer Engineering or related subject with minimum of 7 years of engineering experience

Location:
Bracknell, United Kingdom

Application:
To apply please send the resume to HRUK@micron.com