

## Overview

**Position:** Senior ASIC Design Engineer  
**Reporting to:** Director, VLSI Engineering  
**Location:** Irvine, CA

## Job Description

The engineer will be responsible for the design, coding, verification, synthesis and static timing analysis of the next general optical networking ASICs. Typical activities include development of hardware block design specifications, RTL coding, verification, synthesis, formal verification (LEC) and static timing analysis. Successful candidate will be knowledgeable in contemporary verification methodology like UVM, VMM, OVM or SPECMAN. The engineer will interface with the backend group for the physical implementation of these hardware blocks. He or she will also be expected to contribute to development of effective hardware design methodology.

## Required Skills & Experience

- The successful candidate will be experienced with the IC/ASIC development flow through at least one but preferably several project cycles from concept through production release of silicon
- Experience in various hardware development tools like Synopsys Design Compiler, Primetime and Formality, or Cadence RTL Compiler and Conformal
- Fluency with Verilog, System Verilog or VHDL HDL
- Hands-on experience with ASIC verification using random constraint coverage driven verification methodology like UVM, VMM, OVM or SPECMAN
- The engineer must have a well developed ability to analyze specifications at the architecture and micro-architecture level to identify design improvements
- Hands-on experience with synthesis, formal verification and STA flow set up
- Good knowledge of scripting in tcl or Perl
- Experience with low power design flows highly desirable
- Hands-on experience with DFT (scan, JTAG, memory BIST) logic insertion desirable
- Bachelor's in Engineering or equivalent required

For more information, please visit our website [www.clariphy.com](http://www.clariphy.com) or contact us at [careers@clariphy.com](mailto:careers@clariphy.com).

7585 Irvine Center Dr., Suite 100, Irvine, CA 92618 – phone +1 949 861-3074