Overview

**Position:** Technical Director, Coherent Optical Systems  
**Reporting to:** Chief Technology Officer  
**Location:** Los Altos, CA

Job Description

ClariPhy Communications is an innovative semiconductor company focused on the application of advanced signal processing techniques to revolutionize optical and copper networking in telecom, datacenter, and enterprise markets. ClariPhy currently seeks a Technical Director for Coherent Optical Systems.

The Technical Director will work closely with the Systems Engineering team and with the Applications team to provide expert technical knowledge in the design, debug, use, and validation of complex coherent optical transceiver systems operating at 100G, 200G, and 400G. He or she will work cross functionally with members of the ASIC Design Engineering team and with the ASIC Architecture team to develop and validate new algorithms for incorporation into future products.

The ideal candidate will be a high-performing individual that has experience designing state-of-the-art subsystems used in coherent optical communications, including linecards or modules based on discrete optical components and DSP-based integrated circuits. The individual will have experience in hardware design and debug of high-speed optical communications systems and will leverage expertise in optical modulation and detection, fiber propagation, and digital signal processing. He or she will have experience in fault isolation of such complex systems, including issues related to jitter, signal integrity, interoperability of physical layer ASICs, and complex coherent communications ICs.

The ideal candidate will have hands-on experience with high speed communications test and measurement equipment, including high speed multi-gigabit electronic and optical hardware. The Technical Director will work closely with the Architecture team to explore and evaluate new algorithms for implementation in future products; with the Systems Engineering team doing Systems Validation and Test of ClariPhy products in systems emulating customer applications; and with the Applications Engineering team in a collaborative effort to solve tough customer issues. Occasional travel to customer locations to assist in bring-up or debug of customer systems will also be required. By combining a passion for hands-on experimental work and an enthusiasm for collaboration with ClariPhy’s chip designers and customers, you will develop a comprehensive understanding of the chip performance in deployed systems, so as to bring to market robust and reliable coherent optical communications products.

**Required Skills & Experience**

- Masters in Electrical Engineering or Applied Physics and 10 to 15+ years’ experience in the optical communications industry, with demonstrated laboratory experience working with fiber optic systems and networks.
- Experience designing and debugging coherent optical communication systems
• Experience working with multi-gigabit electronic circuits and practical experience in troubleshooting high speed circuit boards
• Professional experience or coursework in digital communications theory.
• Experience in simulating and analyzing the communications performance of optical fiber systems, with a strong fundamental understanding of the impact of transmission effects on end to end performance, is desired.
• Strong communication and teamwork skills and an ability to work cross-functionally with design, applications, and customer teams.

For more information, please visit our website www.clariphy.com or contact us at careers@clariphy.com.

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