

Finisar[®]

Paid Student Internships

Optical Communications

Summer 2010

Finisar Australia is one of Australia's great success stories in optical communications. It is a fast growing high-tech company that researches, designs and manufactures leading-edge communication products for optical fibre telecommunication networks. We have two summer internships available for a 6-8 week period during January-February 2010 which would be suitable for high-performing Science or Engineering students looking to gain industry experience during their summer vacation.

Internship 1: Investigation of Optical Signal Deconvolution

This internship is to investigate new mathematical models for deconvolving measured optical signals for an optical channel monitoring system for use in WDM optical communications systems. Working for Dr Steve Frisken, Finisar Australia's CTO, the work will involve taking experimental measurements of different channel spectra using our channel monitor simulator and developing mathematical matrix techniques for optimising the extraction of the full channel spectrum in real time. The position would suit a candidate with a strong mathematical background and good understanding of optical transmission systems. Experience with a mathematically based research project is preferred.

Internship 2: Web-based Product Demonstrator

This internship is to develop a web-based product demonstration module for our WaveShaper range of Programmable Optical Processors (see www.finisar.com/optical_instrumentation). Working for Dr Simon Poole, Finisar Australia's Director of New Business Development, the project involves developing a LabVIEW-based instrument control package linked into a web-based environment to allow a remote user to log into and control a set of optical test equipment. This would suit an engineer with an interest in optical communications and/or instrumentation who has some experience in web-based programming and, preferably, experience with the LabVIEW instrument control software package.

An honorarium of \$700pw will be paid for each position, which will be based at Finisar Australia's factory in Waterloo.

If you are interested in one of these positions, please send your CV and covering letter to theodora.liosatos@finisar.com

The right to work in Australia is essential

FINISAR IS AN EQUAL OPPORTUNITY EMPLOYER