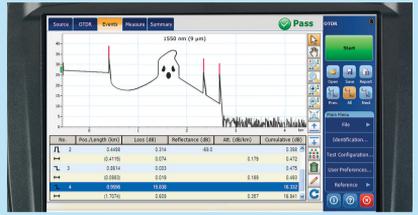


### Instructor Corner

#### "We Ain't Afraid of No Ghosts!"

Optical time domain reflectometers (OTDRs) are critical instruments for evaluating optical fiber spans. Like any technology, they are not infallible. As the term 'reflectometer' implies, OTDRs work by analyzing optical signals which are reflected (and scattered) back to them. Some people call them "cable radar" because they analyze a reflected signal and not the transmitted signal.



Due to this, OTDRs will sometimes generate measurement "artifacts". One such artifact is a secondary reflection, or an "echo" - often referred to as a GHOST! After reading this article, you won't be afraid of no ghosts!

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### Upcoming Training Classes

Topeka, KS • San Antonio, TX • El Paso, TX • Chattanooga, TN

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### Did you know...

#### The growing trend to high fiber count cables?

Deployments of 1,728 and 3,456 fiber cables are growing rapidly? They are used in everything from Hyperscale data centers to long haul backbones. These ultra/super high count cables present lots of opportunities and perhaps a few challenges along the way...

[Learn More](#)

### Instructor Spotlight

#### Nick Kjos



Nick's teaching career began more than 25 years ago at Bismarck State College (BSC) as an instructor in the Electronics/ Telecommunications program. At BSC Nick taught a diverse range of courses including digital electronics, electronic devices, telecommunications 1 and 2, and computer hardware. Before teaching, he worked in the oil industry as an instrument supervisor...

[Learn More](#)

### October Survey

#### Skills/Expertise Gap in Fiber Optics



Where do you see the largest skills/expertise gap in fiber optics? Please let us know by completing a one-question survey. As a thank you, we'll enter you into a drawing for one of four \$25 gift cards. You'll have 4 chances to win!

[Click here](#) to go to the survey.

### 5G's Impact Survey Results

When do you think 5G will impact your organization?



Thank you to all those who completed the survey. Congratulations to Jeff T., Jonathan S., Jon M., and Joyce N., who each won a \$25 Amazon Gift Card for participating.

[See All Surveys](#)

### Additional Information

- [Class Schedule](#)
- [Upcoming Events](#)
- [Fiber Optic Product Catalog](#)
- [Contact us](#)