Webinar

PHOTONICS MEDIA
THE PULSE OF THE INDUSTRY

FREE WEBINAR

Optimizing Machine Vision Systems to Maximize Product Quality and Yield

Join us for a Webinar on Thu, May 19, 2016 1:00 PM - 2:00 PM EDT

Nelson Bridwell, president of Machine Vision Engineering LLC and an AIA Certified Vision Professional, discusses how to use statistical control to optimize reliability and yield of machine vision systems.

Fine-tuning of machine vision configuration parameters can have a significant impact on quality and yield. Statistical Process Control (SPC) metrics can guide your selection of the most effective vision system designs and assist in the selection of limit and threshold values that can optimize product quality and yield, sometimes making the difference between a failed project and a successful vision system.

Topics that will be covered in this free webinar include:

• Ad hoc procedures for setting configuration parameters and the potential problems associated with them.

• Characterizing normal process variation and using the resulting statistics to identify optimal configuration parameters and accurately predict the resulting inspection failure rates and product yield.

• Where unavoidable, selecting the best tradeoff between quality and yield.

• Applying multidimensional limits to protect quality and yield in challenging applications.

• Taking into account measurement error and repeatability when applying specification limits.

• Understanding process capability.

• Applying gauge repeatability and reproducibility studies to qualify metrology systems.

Nelson Bridwell, president of Machine Vision Engineering LLC, designs and manufactures custom machine vision systems for manufacturing applications. He is thoroughly familiar with the effective use of industrial machine vision software, cameras, interfaces, lenses, optics, filters and lighting, and has found effective solutions to challenging machine vision problems that others considered impossible to solve. An AIA Certified Vision Professional (advanced), he has published articles in *Vision System Design* and *Quality*. He is currently writing a book, *Machine Vision in the Factory*.

MARK YOUR CALENDAR

Date: Thu, May 19, 2016
Time: 1:00 PM - 2:00 PM EDT

Space is limited. Reserve your Webinar seat now at:
https://attendee.gotowebinar.com/register/3716122076926425604

After registering you will receive a confirmation email containing information about joining the Webinar.

SYSTEM REQUIREMENTS

PC-based attendees
Required: Windows® 8, 7, Vista, XP or 2003 Server

Mac®-based attendees
Required: Mac OS® X 10.6 or newer

Mobile attendees
Required: iPhone®, iPad®, Android™ phone or tablet, Windows 8 or Windows Phone 8

Visit Photonics Media to watch past webinars on demand to learn more about the latest developments in lasers, imaging, optics, biophotonics, machine vision, spectroscopy, microscopy, photovoltaics and more.

http://photonics.com/Webinars.aspx