

WEBINARS PHOTONICS MEDIA photonics.com

Expand your knowledge. Grow your career.



Join us for a **FREE Webinar**

Introducing the CAOS Smart Camera - Empowering Extreme Imaging

Wednesday, April 26, 2017 1:00 PM - 2:00 PM

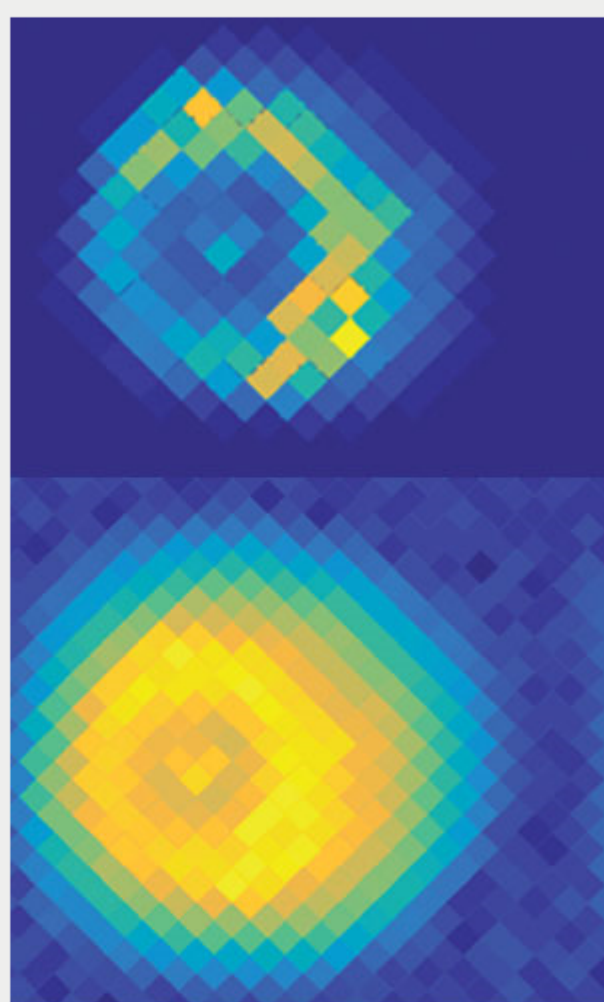
[Register Now](#)

About This Webinar

For security and surveillance applications, achieving true image scene pixel information is vital. This has led to an increasing demand for a smart camera that can achieve true vision through highly directional and adaptive image pixel sifting for high-value targets. To meet this need, Nabeel A. Riza, Ph.D., Chair Professor of Electrical and Electronic Engineering at University College Cork, has developed the Coded Access Optical Sensor (CAOS). The CAOS smart camera is a hybrid camera that works with the CMOS/CCD/FPA sensors and computational imaging methods to extract smarter image information, including better spatial and spectral selectivity, faster speed, higher targeted pixel dynamic range and more diverse spectral bands. In this webinar Riza will discuss how the CAOS sensor, working with CMOS sensors, can smartly extract scene contrast pixel light intensity information using time-frequency coding of selected agile pixels.

Riza will address the challenges to reaching extreme all-linear, instantaneous dynamic ranges with multicolor smart capture of targets of interest within extreme contrast images, and how CAOS addresses these challenges, working with CMOS, CCD and focal plane array (FPA) camera sensors to extract previously unseen images. He will demonstrate a version of the CAOS camera called the CAOS-CMOS camera.

Who should attend: engineers, scientists, researchers and technical professionals who may require or are interested in extreme contrast imaging.



Mark Your Calendar

Date: Wednesday, April 26, 2017

Time: 1:00 PM - 2:00 PM

Space is limited. Reserve your Webinar seat now at: <https://attendee.gotowebinar.com/register/5509577278837576195>

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

SYSTEM REQUIREMENTS

PC-based attendees

Required: Windows® 10, 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

More from Photonics Media

Upcoming Webinars

- Simulating Metamaterials in the Terahertz Regime, Thu, Apr 27
- Introduction to Machine Vision Software, Thu, May 11
- Biophotonic Tools for Diagnosing and Treating Eye Disease, Wed, May 17

Archived Webinars

- Transition Mode Reactive Sputtering Using PEM
- Integrating Camera Technology Into an Outstanding Machine Vision Solution
- High-Speed Imaging At and Beyond the Diffraction Limit

Questions: info@photonics.com

[Unsubscribe](#) | [Subscribe](#) | [Subscriptions](#) | [Privacy Policy](#) | [Terms and Conditions of Use](#)

Photonics Media, 100 West St., PO Box 4949, Pittsfield, MA 01202-4949
© 1996 - 2017 Laurin Publishing. All rights reserved. Photonics.com is Registered with the U.S. Patent & Trademark Office.
Reproduction in whole or in part without permission is prohibited.