



Photonics Forum

January 30, 2019

11:45 a.m. -
1:15 p.m.

9th Floor

Room 901

Photonics Center

8 Saint Mary's Street

Lunch will be served!



Dr. Steven Smith, Photometrics

Cameras to Drive Next Generation Analytical Instruments: Scientific Machine Vision, 95% Quantum Efficiency and Computational Imaging Deliver Better Answers Faster

In this Photonics Forum presentation, the Photometrics marketing team will present an overview of scientific camera function including a review of technology developments over the last 20 years covering CCD to CMOS. Topics will include quantum efficiency, sources of image noise and strategies for image processing, among others. Photometrics is the market leader in ultra-high quantum efficiency (95% QE) scientific cameras. We have also pioneered the use of real-time computational image processing to deploy algorithms. New for 2019, Photometrics is proud to introduce Scientific Machine Vision cameras to the market- cameras with scientific performance and machine vision size and cost. Join us to learn how these breakthrough cameras can help instrument designers deliver better answers faster.

Steven Smith completed a B.S. in Biological Sciences and a Ph.D. in Biomedical Sciences at Colorado State University. His career has focused on microscopy and imaging, spanning from laser scanning confocal and multiphoton techniques to camera-based systems. Dr. Smith joined Photometrics in 2014 and has been part of the company's dedicated effort to work with OEM customers on camera integration across a wide array of instruments and applications.

 Photonics Center

www.bu.edu/photonics