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Advances in Image Sensors Technologies

Tuesday 12 September 2017 10:15 (45 minutes)

Image sensor innovation continues after more than 50 years of development. New image sensor markets are being developed while old markets continue to grow. Higher performance and lower cost image sensors are enabling these new applications. Although CMOS image sensors dominate the market, CCDs and other novel image sensors continue to be developed. In this talk we discuss trends in image sensor technology and present results from selected workshop papers. Moreover, we will discuss developments in small pixels, stacked die image sensors, time of flight image sensors, SPAD image sensors, low light level sensors, wide dynamic range sensors and global shutter image sensors.

Summary

Presenter: Dr FOWLER, Boyd (Omnivision)

Session Classification: Invited Talk