

Image Sensor and Camera Technology February 2nd 2018 in San Francisco

A one day introductory training is organized on Friday February 2nd in Downtown San Francisco, the day after Electronic Imaging and Photonics West. An advanced High Dynamic Range course is given as part of Photonics West and an introduction to CMOS image sensors course is given as part of the Electronic Imaging symposium and as part of Photonics West.

The course is introductory to mid-level and is designed for non-engineering personnel who needs a more in-depth understanding of the technology. It is also a good introductory course for sales, marketing and support personnel. The course is accompanied by a question and answer session and an open discussion session. There are PDF notes on a pen drive.

The course sessions or a customized course session can be organized in company for a special price and an unlimited number of attendees.

Venue

The training is organized at Intelligent Office, located 101 Pine Street, Suite 1100 in downtown San Francisco, almost at the intersection with Market street (First Republic bank building).

The closest BART station is Embarcadero and the closest bus and light rail station is Market & Battery. There are several parking garages and restaurants inside this building and on Market Street. There is a vast choice of hotels in downtown San Francisco.

This location is very close to the Moscone where Photonics West is held and can be reached by BART and free hotel shuttles from the Electronic Imaging venue in Burlingame.



Course schedule

- 8:45AM to 9:00 AM: Welcome.
- 9:00 AM to 9:15 AM: Course introduction and Aphesa presentation
- 9:15 AM to 12:15PM: Introduction to imaging (light, light spectrum, light sources, scene, behavior of light, basic radiometry and photometry, lighting techniques, filters, optical basics, MTF, CCD and CMOS image sensors, camera basics, color issues, multispectral and hyperspectral imaging, camera interfaces, photography and imaging terms, lens standards, camera interface standards), including a short break.
- 1:15PM to 4:00PM: Introduction to CMOS image sensors (photodiodes, pixels, rolling vs global shutter, arrays, readout, noise, color filters, microlenses, defect pixels, ageing), including a short break.
- 4:00AM to 4:30AM: Production of CMOS image sensors (image sensor production process, image sensor packaging, back-side illumination, wafer scale packaging, butting, stitching).
- 4:30PM to 5:00PM: Brief introduction to the EMVA1288 standard.
- 6:00PM: optional group dinner with additional discussions possible

Prices

Price before October 15th 2017: 285 euro per attendee, including a USB pen drive with the presentations but not including the lunch and dinner.

Price between October 16th 2017 and December 31st 2017 : 325 euro, including a USB pen drive with the presentations but not including the lunch and dinner.

Price after January 1st 2018: 350 euro, including a USB pen drive with the presentations but not including the lunch and dinner. Availability after December 31st 2017 is not guaranteed as it is too late to book a larger room.

Reductions are offered for multiple members of a company (-10% for the second member, -30% for any additional member), or previous attendees (-10%). Reductions can't be combined.

Cancellation policy: 50 euro if more than four weeks before the courses, 50% if less than four weeks before the courses, 100% on no show.

Payment terms: 30 days net, invoiced at the time of booking, net 10 after January 1st. Full payment must be received prior to the course day.

The course session will not run if the required minimum number of attendees of 3 is not reached.

Registration

Contact info@aphesa.com or one of our authorized distributors if you intend to attend one or more training sessions, mentioning the course code and the number of attendees from the same company. Aphesa will then provide a quotation for the desired training package. The final decision to organize or cancel courses will be made eight weeks before the scheduled training date. Contacting us for a quotation or for more information does not engage yourself to buy a course.

About Aphesa

Founded in 2008, Aphesa provides consulting and development services in the field of imaging. Our company has designed multiple customer specific cameras for use in industrial, medical and oil&gas applications and has provided consulting services for the design of many other image sensors, cameras and systems. Our experience includes GigE-Vision, USB, CameraLink cameras and line scan or area scan sensors in color or monochrome. Our experience also includes high temperature designs, multispectral imaging, high dynamic range imaging, high-speed imaging, embedded image processing and many other topics. Aphesa is also specialized in image sensor and camera testing and has developed EMVA1288 compliant test equipments as well as other specific test equipments for laboratory or production use; the EMVA1288 measurements are also offered as a service.

More information about Aphesa: <http://www.aphesa.com>

Contact us: info@aphesa.com

APHESA SPRL
Rue de Lorcé, 39
B-4920 HARZÉ
BELGIUM

Visit our website for distributor's contact information.

