

Teledyne Photometrics Camera Technology Workshop

May 28th – 29th 2019

Life Imaging Center (LIC), Center for Biological Systems Analysis (ZBSA)
Albert-Ludwigs University Freiburg
Habsburgerstr. 49, 79104 Freiburg im Breisgau

Keywords: Explore, Learn, Discover!
Organization: Microscopy and Image Analysis Platform (MIAP), University of Freiburg
Photometrics
Instructors: Mathias Pasche (Field Applications Specialist, Photometrics)

Day 1: May 28 th , 10:00 – 16:45	
10:00 – 10:10	Welcome & Introduction
10:10 – 11:30	Presentations <ul style="list-style-type: none">• Imaging 101• Resolution and FOV• CCD sensors
11:30 – 12:30	Practical session (Ocular & Micromanage, Resolution, FOV)
12:30 – 13:30	LUNCH BREAK
13:30 – 14:30	Presentations <ul style="list-style-type: none">• Noise and signal to noise• EMCCD sensors• CMOS sensors• New CMOS technology
14:30 – 15:00	COFFEE BREAK
15:00 – 16:30	Practical session (Comparing CCD and CMOS, EMCCD technology)
16:30 – 16:45	Final remarks, Q&A, closing workshop day 1
18:30	Dinner (optional)

Day 2: May 29 th , 10:00 – 17:00	
10:00 – 11:30	Presentations <ul style="list-style-type: none">• Sensitivity and Spectral response• Gain and Dynamic Range• Speed and Interfaces
11:30 – 12:30	Practical session (Bias, Gain & Dynamic Range)
12:30 – 13:30	LUNCH BREAK
13:30 – 14:30	Presentations <ul style="list-style-type: none">• Colour cameras• Multi-channel imaging• Triggering
14:30 – 15:00	COFFEE BREAK
15:00 – 16:15	Practical session (Comparing 2 cameras & triggering)
16:15 – 16:30	Final remarks, Q&A, closing workshop day 2

For more information, please contact MIAP: <http://www.miap.eu> info@miap.eu

