

Workshop: Measuring Light and Using the Calibration Package



Thursday 15th June 2017 10am-3pm

Sainsbury Laboratory, University of Cambridge Bateman Street, Cambridge CB2 1LR

Time	Item	Title	Leader/Presenter
From 09.45 Welcome Coffee			
10.00	Item 1	Welcome & Housekeeping	Stephen Andrews
10.05	Item 2	Introduction to Light and Horticultural Lighting	Esther de Beer Phillips Horticulture LED Solutions
10.30	Item 3	Plant Perception and Utilisation of Light	Dr Rhydian Beynon Davies G's Fresh, Research & Development Scientist
10.55	Item 4	Principles of Calibration in Controlled Environments	Prof Mick Fuller Chair, UK CEUG
11.10	Item 5	Sensor Considerations	Adam Taylor Skye Instruments
11.25	Item 6	Introduction to the CEUG light Package	Jason Daff Sainsbury Laboratory
11.35 Mid-morning Coffee			
11.50	Item 7	Set-up of Practical Sessions	
11.55	Item 8	Practical 1* - PAR sensor calibration against CEUG package reference.	Adam Taylor Skye Instruments
12.15	<i>Changeover</i>		
12.20	Item 9	Practical 2* - Mapping Light & Measuring intra-chamber uniformity.	Julian Franklin Rothamsted Research
12.40 Lunch (Chance to see the Botanic Garden)			
1.25	Item 10	Set-up of Practical Sessions	
1.30	Item 11	Practical 3* - Measuring and comparing Red:Far-red ratios from various light sources.	Jason Daff Sainsbury Laboratory
1.50	<i>Changeover</i>		
1.55	Item 12	Practical 4* - Using the UPRtek Spectroradiometer, downloading and interpreting the data	Petteri Ahonen Valoya
2.25	Item 13	Energy efficiency monitoring & light - measuring energy consumption in your facility, overview of the LED replacement project in the department of Plant Sciences.	Martin Howes University of Cambridge
2.45	Item 14	Closing Session – Question and Answer session with presenters.	Chaired by Stephen Andrews
3.00	Depart SLCU (Chance to see the Botanic Garden)		