

## CIE Symposium on the Measurement of Temporal Light Modulation

Athens, October 11, 2022

Royal Olympic Hotel

Symposium schedule				
Tuesday 11th October				
Start time	Duration	End time	Title	Presenter
8:30	0:50	9:20	<b>Check-in</b>	
9:20	0:10	9:30	Opening, welcome, housekeeping	Tony Bergen (AU), Costis Bouroussis (GR)
Session 1: Implementation of CIE TN 012:2021				
9:30	0:20	9:50	Improvement in the temporal light artefact metrics of commercial LED lamps	Erkki Ikonen (FI)
9:50	0:20	10:10	Verification of a temporal light modulation measurement facility at the National Metrology Institute of South Africa	Pieter du Toit (ZA)
10:10	0:20	10:30	Evaluation of data acquisition systems for measurement of temporal light modulations	Yuqin Zong (US)
10:30	0:15	10:45	Q&A Session	
10:45	0:30	11:15	Morning tea	
Session 2: Advances in instrumentation and intercomparisons				
11:15	0:20	11:35	Characterization of key performance of TLM measurement instruments	Qian Li (CN)
11:35	0:20	11:55	Implementing lock-in detection in photometry and spectroradiometry using temporal light modulation	Christophe Martinsons (FR)
11:55	0:20	12:15	IEA 4E SSL annex interlaboratory comparison of measurements of temporal light modulation – plan	Yoshi Ohno (US)
12:15	0:15	12:30	Q&A Session	
12:30	1:00	13:30	Lunch	
Session 3: Psychophysical studies and field measurement				
13:30	0:20	13:50	Development of a control system to evaluate the impact of artificial light modulation on insects	Leonard De Causmaecker (BE)
13:50	0:20	14:10	Field measurement of TLM quantities in lighting scenarios	Cong Chen (CN)
14:10	0:20	14:30	Towards modelling the visibility of the phantom array effect	Xiangzhen Kong (NL)
14:30	0:15	14:45	Q&A Session	
14:45	0:30	15:15	Afternoon tea	
Session 4: Methods and algorithms for calculation of TLAs				
15:15	0:20	15:35	Anti-aliasing filter effects on sampling frequency and effects of mathematical implementation	Ralf Zuber (DE)
15:35	0:20	15:55	Minimising the uncertainties in the calculation of stroboscopic effect visibility measure	Carsten Dam-Hansen (DK)
15:55	0:20	16:15	Novel implementations of digital meters for flicker and stroboscopic effect	Ville Mantela (FI)
16:15	0:20	16:35	Impact of sampling rate on flicker metric calculations	Jianchuan Tan (US)
16:35	0:20	16:55	Q&A Session	
16:55	0:05	17:00	Closing comments	Tony Bergen (AU), Costis Bouroussis (GR)
			Closure of the Symposium	
20:00		Symposium dinner (Alexandra Restaurant)		