

Programme Overview:

CIE Expert Workshop “A New Vision of Visibility for Roadway Lighting” May 24-25, 2018, Berlin, Germany

Thursday, May 24, 2018		Name	Title
		Lighting Safety	
09:00	09:45	Wout van Bommel	Hundred Year Road Lighting Research
09:45	10:15	Gibbons, Dr. R.	Impact of Lighting on Safety
10:15	10:45	Joanne Wood	Road safety at night: The visual challenges, lighting issues and improving visibility
10:45	11:00	Break	
11:00	11:30	Steve Fotios	Road Lighting for Pedestrians: Design Guidance Past, Present and Future
		Economics	
11:30	12:00	J D Bullough, M S Rea	QUANTIFYING ECONOMIC BENEFITS AND COSTS OF ROADWAY LIGHTING BASED ON SAFETY-RELATED VISIBILITY CHARACTERISTICS
12:00	12:30	Völker, Stephan	Cost-benefit analysis of using visibility concepts
12:30	14:00	Lunch	
		Visibility Models	
14:00	14:20	Völker, Stephan	Generalization and Validation of Visibility concepts/ Is visibility a good counter of quality of light?
14:20	14:50	Oanaygil, Sermin	Determination of Road Lighting Automation Scenarios Based on Visibility Calculations
14:50	15:20	M S Rea, J D Bullough, L C Radetsky	VISUAL PERFORMANCE MODELING AND ROADWAY SAFETY AT NIGHT
15:20	15:50	Bhagavathula, R., Gibbons, R.B.	Distribution Analysis of Detection Distances: A New Approach to Analyze Nighttime Roadway Visibility
15:50	16:10	Break	
16:10	16:40	Rossi Giuseppe	A new Italian experimental standard compares the performance of road lighting INSTALLATIONS using the Small Target Visibility concept
16:40	17:00	Crescenzo Giuseppe, Villa Céline , Brémond Roland	ROADS MARKINGS VISIBILITY: DOES IT DEPEND ON THE APPARENT PERIMETER OR ON THE APPARENT SURFACE?
19:30	21:45	Dinner @ Restaurant Tor Eins	Adress: Möckernstraße 26, 10963 Berlin (1/2 hour from the University by Metro U2)



International Commission on Illumination
Commission Internationale de l'Éclairage
Internationale Beleuchtungskommission



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Friday, May 25, 2018		
		Influences on Visibility
09:00	09:20	Wandachowicz, K, Przybyla, M. ROAD LIGHTING MEASUREMENTS THEORY VS PRACTICE
09:20	09:50	Yukio Akashi, Nie Dongxing ROADWAY LIGHTING MAY COMPENSATE OLDER DRIVERS' REDUCED DARK ADAPTATION SPEED AND IMPROVE THEIR TARGET VISIBILITY
09:50	10:10	Suddhasatwa Chakraborty AN EEG BASED APPROACH FOR IDENTIFYING PROCESSING DIFFERENCE OF LIGHT SPECTRUM IN ROAD LIGHTING TOWARDS OBJECT DETECTION
10:10	10:30	Vincent Boucher, Florian Greffier An imaging tool to measure glare dynamically
10:30	10:50	Kazim Hilmi Or EFFECT OF EYE DISEASES AND OPERATIONS ON VISIBILITY OF ROADWAY LIGHTING
10:50	11:05	Break
		New Models
11:05	11:25	Bodrogi, P., Tran Quoc Khanh, X.G A comparison of the CIE mesopic photometry with a new brightness model
11:25	11:55	Maurice Donners Visibility – Visual performance beyond the eye of the beholder
11:55	12:25	Brémond, Roland Visibility of targets: beyond Blackwell
12:25	13:55	Open Discussion with Lunch
13:55	14:00	Closing CIE Workshop