



Meeting of the Colour Group of Great Britain

Thursday 11th November 2004

Vision in the twilight zone: studies of visual performance under mesopic conditions

Rooms A & B, Northampton Suite, Refectory Building level 4 (old level 6)
City University,
Northampton Square, London.

PROGRAMME

- 09:30** **Registration**
- 10:00** **Welcome**
- 10:10** **Invited talk - In the twilight zone: the complexities of mesopic vision**
A Stockman
(Institute of Ophthalmology, University College London, London, UK)
- 10:40** **Brightness contrast perception in the mesopic region.**
J P Freyssinier, M Rea and J Bullough
(Lighting Research Center, Rensselaer Polytechnic Institute, Troy, NY, USA)
- 11:10** **Severity of road traffic accidents: the detrimental effect of low lighting.**
S Plainis^a and I Murray^b
(^a Vardinoyiannion Eye Institute of Crete, School of Medicine, University of Crete, Greece; ^b Visual Sciences Lab, Department of Optometry & Neuroscience, UMIST, Manchester, UK)
- 11:40 – 12:10** **Coffee**
- 12:15** **Visual performance in night-time driving conditions.**
M Eloholma, J Ketomäk, P Orreveteläinen and L Halonen.
(Helsinki University of Technology Lighting Laboratory, Finland)
- 12:35** **A recognition threshold experiment with quasi-monochromatic mesopic visual targets.**
G Várady, P Bodrogi and J Schanda
(University of Veszprém, Hungary)
- 12:55** **Target detection and driving behaviour in a driving simulator at mesopic light levels.**
J Alferdinck
(TNO Human Factors, Soesterberg, Netherlands)
- 13:15 – 14:15** **Lunch**
- 14:15** **Simulating night-time driving in a virtual reality environment.**
A Szalmás, P Bodrogi and J Schanda
(University of Veszprém, Hungary)
- 14:35** **Characterising mesopic spectral sensitivity using reaction times.**
H Walkey, J Harlow and J Barbur
(Applied Vision Research Centre, City University, London, UK)

- 14:55** **Modelling mesopic efficiency curves.**
A Forbes^a, T Goodman^a and H Walkey^b
 (^a National Physical Laboratory, Teddington, UK; ^b Applied Vision Research Centre, City University, London, UK)
- 15:15** **Spectral effects in escape route lighting.**
M Mulder and P Boyce
 (Lighting Research Center, Rensselaer Polytechnic Institute, Troy, NY, USA)
- 15:45 – 16:15** **Granville tea**
- 16:15** **Mesopic chromatic contrast sensitivity in anomalous trichromats.**
E Liggins^a, I Moorhead^a, P Ward^a, I Murray^b
 (^a QinetiQ Centre for Human Sciences, Farnborough, UK; ^b Visual Sciences Lab, Department of Optometry and Neurosciences, UMIST, Manchester, UK)
- 16:45** **The assessment of functional visual performance in the mesopic range.**
J Barbur
 (Applied Vision Research Centre, City University, London, UK)
- 17:15** **Close**
- 17:15 – 18:15** **Supplementary round table discussion on mesopic photometry**
 To be chaired by Teresa Goodman (National Physical Laboratory)
- 19:00** **Dinner**

The organisers would like to thank the following companies for supporting Vision in the Twilight Zone:

Cambridge Research Systems

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Smart Eye AB

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Tracksys

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