

Preliminary program of the

CCPR/CIE Expert Workshop

100 Years of $V(\lambda)$ and the Future of Photometry

Preliminary Program

Opening at 9:00 AM

Session 1 History of $V(\lambda)$ and photometric units

Moderator: Maria Luisa Rastello (INRIM, Italy, CCPR President)

- A short history of light measurement in the CIE (Jennifer Veitch, CIE President)
- The BIPM and the CIE: 100 years of cooperation - An overview of the main developments in the definition of the photometric units (Celine Fellag Ariouet, BIPM)
- Derivation of 1924 $V(\lambda)$ and other spectral luminous efficiency functions (Yoshi Ohno, NIST, USA)
- High level objective of photometry and SI definition of the candela (Peter Blattner, METAS, Switzerland & Gael Obein, LNE-CNAM, France)

Session 2 History of 1931 CIE Colorimetry and Cone Fundamentals

Moderator: Kaida Xiao (University of Leeds, UK, CIE Division 1 Director)

- History of CIE 1931 and 1964 standard colorimetry systems (Sophie Jost, ENTPE, France)
- Development of cone fundamentals – CIE 170-1 and CIE 170-2 (Andrew Stockman, University College London, UK)
- CIE's direction for cone-fundamental-based colorimetry (Lorne Whitehead, University of British Columbia, Canada, Chair of CIE TC 1-98)

Lunch will be provided at BIPM.

Session 3 Photometry with Cone Fundamentals

Moderator: Dong-Hoon Lee (KRISS, Korea, CIE Division 2 Director)

- CIE's direction for cone-fundamental-based photometry (Tony Bergen, Photometric Solutions International, Australia, Convenor of CIE RF05)
- Impact of introducing cone-fundamental based $V_F(\lambda)$ and $V_{F10}(\lambda)$ in applications (H. Shitomi, NMIJ, Japan)
- Experimental research on brightness perception with $V_F(\lambda)$ and $V_{F10}(\lambda)$ (Jiaye Li, NIST, USA & Dorukalp Durmus, Pennsylvania State University, USA)

Session 4 Discussion for future directions for photometry and colorimetry

Moderator: Yoshi Ohno (NIST, USA, Workshop Chair)

Celebration of 100 years of $V(\lambda)$



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

Closing
Adjourn ~ 5:50 PM