

Canadian Contributions to CIE Publications

Since Canada joined the CIE, the members of the CNC/CIE have made substantive contributions as chairs (C), members (M) and advisors (A) on Technical Committees, and by helping organize scientific meetings (ISC) or by presenting papers and posters (P) at those meetings. Links to summaries of the publications listed below are included if available.

CIE Standards, Technical Reports, and Proceedings with Canadian participation	Canadian Contributors
CIE x044:2017 Proceedings of the Conference at the CIE Midterm Meeting 2017 23 – 25 October 2017, Jeju, Republic of Korea	L. Whitehead (P), J. Wang & V. Venkataramanan (P)
CIE 225:2017 Optical Measurement of High-Power LEDs	M. Sisto (M), V. Venkataramanan (A)
CIE TN 008:2017 Final Report CIE Stakeholder Workshop for Temporal Light Modulation Standards for Lighting Systems	J. Veitch (ISC), Suvagau (ISC)
CIE 224:2017 CIE 2017 Colour Fidelity Index for accurate scientific use	L. Whitehead (M)
CIE 222:2017 Decision Scheme for Lighting Controls in Non-Residential Buildings	C. Suvagau (M)
DIS 017/E:2016 ILV: International Lighting Vocabulary 2nd Edition	S. McFadden (M), J. Zwinkels (M)
CIE x043:2016 Proceedings of the 4th CIE Expert Symposium on Colour and Visual Appearance, 6 - 7 September, 2016, Prague, Czech Republic	J. Zwinkels (ISC)
CIE TN 006:2016 Visual Aspects of Time-Modulated Lighting Systems – Definitions and Measurement Models	L. Whitehead (M)
CIE 218:2016 Research Roadmap for Healthful Interior Lighting Applications	J. Veitch (C)
CIE x042:2016 Proceedings of CIE 2016 Lighting Quality & Energy Efficiency, March 2016, Melbourne, Australia	J. Veitch (ISC), J. Zwinkels (ISC) (P)
ISO/CIE 11664-5:2016(E) Colorimetry — Part 5: CIE 1976 L*u*v* Colour Space and u', v' Uniform Chromaticity Scale Diagram	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)

CIE Standards, Technical Reports, and Proceedings with Canadian participation	Canadian Contributors
CIE 216:2015 Proceedings of the 28th Session of the CIE, 28 June – 4 July 2015, Manchester, United Kingdom	L. Whitehead (P), H. Jafarian (P)
CIE S 017-SP1:2015 ILV: International Lighting Vocabulary –Supplement 1: Light Emitting Diodes (LEDs) and LED Assemblies – Terms and Definitions	S. McFadden (M)
CIE S 025/E:2015 Test Method for LED Lamps, LED Luminaires and LED Modules	M. Sisto (M)
CIE 215:2014 CIE Standard General Sky Guide	I. Ashdown (M)
CIE 214:2014 Effect of Instrumental Bandpass Function and Measurement Interval on Spectral Quantities	R. Baribeau (M), J. Zwinkels (M)
CIE 213:2014 Guide to Protocols for Describing Lighting	J. Veitch (Chair), D. Smith (A)
CIE 212:2014 Guidance towards Best Practice in Psychophysical Procedures Used when Measuring Relative Spatial Brightness	K. Niall (M)
CIE 211:2014 Colour Appearance in Peripheral Vision	S. McFadden (M)
CIE 209:2014 Rationalizing Nomenclature for UV Doses and Effects on Humans	V. Fioletov (M)
CIE 208:2014 Effect of Stimulus Size on Colour Appearance	T. Nilsson (M)
ISO/CIE 11664-6:2014(E) Colorimetry-Part 6: CIEDE2000 Colour-Difference Formula	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)
ISO/CIE 19476:2014(E) Characterization of the Performance of Illuminance Meters and Luminance Meters	T. Moggridge (M)
CIE 205:2013 Review of Lighting Quality Measures for Interior Lighting with LED Lighting Systems	E. Dikel (M)
CIE x038:2013 (incl. Addendum) Proceedings of the CIE Centenary Conference "Towards a New Century of Light", 15-16 April 2013, Paris, France	Veitch, J. (ISC) (P)
CIE 173:2012 Tubular daylight guidance systems (including erratum 1)	L. Whitehead (M)
CIE x037:2012 Proceedings of CIE 2012 Lighting Quality & Energy Efficiency, September 2012, Hangzhou, China	J. Veitch (ISC), J. Zwinkels (ISC), L. Whitehead (KS),
ISO 11664-3:2012(E)/CIE S014-3/E:2011 Colorimetry — Part 3: CIE Tristimulus Values	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)

CIE Standards, Technical Reports, and Proceedings with Canadian participation	Canadian Contributors
CIE 198:2011 Determination of Measurement Uncertainties in Photometry	A. A. Gaertner (M)
CIE 198-SP1.(1-4):2011 Determination of Measurement Uncertainties in Photometry - Supplement 1: Modules and Examples for the Determination of Measurement Uncertainties (4 Parts)	A. A. Gaertner (M)
CIE 197:2011 Proceedings of the 27th Session of the CIE, 9-16 July 2011, Sun City, South Africa	J. Veitch (P), J Zwinkels (P), L. Whitehead (P)
CIE 195:2011 Specification of Colour Appearance for Reflective Media and Self-Luminous Display Comparisons	A. Robertson (M)
CIE 192:2010 Practical Daylight Sources for Colorimetry	J. C. Zwinkels (M)
CIE x035:2010 Proceedings of CIE 2010 Lighting Quality & Energy Efficiency, March 2010, Vienna, Austria	J. Veitch et al. (P)
Proceedings of the 2010 CIE 2nd Expert Symposium on Appearance, Gent, Belgium, Sep 2010	L. Whitehead (P) M. Mossman (P)
CIE 185:2009 Reappraisal of colour matching and Grassmann's laws	A. Robertson (M)
CIE 158:2009 (including Erratum 1) Ocular Lighting Effects on Human Physiology and Behaviour	J. Veitch (C)
CIE 184:2009 Indoor daylight illuminants	B. Jordan (M), J. Zwinkels (M)
S014-5 Colorimetry - Part 5: CIE 1976 L*u*v* Colour Space and u', v', Uniform Chromaticity Scale Diagram	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)
CIE x033:2008 Proceedings of the 2nd CIE Expert Symposium on "Advances in Photometry and Colorimetry", 7-8 July 2008, Turin, Italy	A. Gaertner (P)
ISO 11664-4:2008(E)/CIE S014-4/E:2007 Colorimetry — Part 4: CIE 1976 L*a*b* Colour Space	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)
CIE 182:2007 Calibration methods and photoluminescent standards for total radiance factor measurements	J. Zwinkels (C)
CIE 127:2007 Measurement of LEDs	I. Ashdown (M)
178:2007 Proceedings of the 26th Session of the CIE, 4-11 July 2007, Beijing, China	J. A. Veitch (P)
ISO 11664-1:2007(E)/CIE S 014-1/E:2006 CIE Colorimetry - Part 1: Standard Colorimetric Observers	A. Robertson (C), B. Jordan (M), J. Zwinkels (M)

CIE Standards, Technical Reports, and Proceedings with Canadian participation	Canadian Contributors
CIE 177:2007 Colour rendering of white LED light sources	I. Ashdown (M)
CIE 176:2006 Geometric tolerances for colour measurements	B. Jordan, (M), J. Zwinkels (M)
CIE 175:2006 A framework for the measurement of visual appearance	S. McFadden (M), J. Veitch (A)
x031:2006 Proceedings of the 2nd CIE Expert Symposium on Lighting and Health, 7-8 September 2006, Ottawa, Canada	M. Dumont & C. Beaulieu (P), J. A. Veitch (P) A. Levitt, Beaulieu et al. (P), S. Rowley (P)
CIE x030:2006 Proceedings of the ISCC/CIE Expert Symposium 2006 "75 Years of the CIE Standard Colorimetric Observer", 16-17 May 2006, Ottawa, Canada	S. McFadden, (ISC), T. Nilsson (P), A. Robertson (P)
CIE 171:2006 Test cases to assess the accuracy of lighting computer programs	I. Ashdown (M)
CIE 167:2005 Recommended practice for tabulating spectral data for use in colour computations	A. Robertson (M), J. Zwinkels (M)
CIE 165:2005 CIE 10 degree photopic photometric observer	A. Robertson (M)
CIE 164:2005 Hollow light guide technology and applications	L. Whitehead (C from 1998), B. York (M)
ISO 23539:2005(E)/CIE S 010/E:2004 Photometry - The CIE system of physical photometry	A. Robertson (M)
CIE 015:2004 Colorimetry, 3rd edition	A. Robertson (M)
CIE 157:2004 Control of damage to museum objects by optical radiation	Philip Gabriel (M)
CIE 088:2004 Guide for the lighting of road tunnels and underpasses, 2nd ed.	W. Adrian (M)
CIE 158:2004 Ocular Lighting Effects on Human Physiology and Behaviour	J. A. Veitch (C)
x027:2004 CIE Symposium 2004 "Light and Health: non-visual effects", 30 September - 2 October 2004, Vienna, Austria	M. Dumont (P), J. A. Veitch et al. (P)
CIE 154:2003 The maintenance of outdoor lighting systems	J. Roberge (M)

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CIE 153:2003 Report on intercomparison of measurement of the luminous flux of high-pressure sodium lamps	A. Gaertner (M)
CIE 150:2003 Guide on the limitation of the effects of obtrusive light from outdoor lighting installations	J. Roberge (M)
CIE 149:2002 The use of tungsten filament lamps as secondary standard sources	A. A. Gaertner (M)
CIE 146/147:2002 CIE Collection on Glare 2002	W. Adrian (M)
CIE 145:2002 The correlation of models for vision and visual performance	W. Adrian (C), S. McFadden (M)
CIE 144:2001 Road surface and road marking reflection characteristics	W. Adrian (M), R. Gibbons (M)
CIE 143-2001 International recommendations for colour vision requirements for transport	B. Tansley (M)
CIE 142-2001 Improvement to industrial colour-difference evaluation	A. Robertson (M)
CIE 141-2001 Testing of supplementary systems of photometry	W. Cowan (M)
CIE 140-2000 Road lighting calculations	W. Adrian (M)
CIE 051.2-1999 A method for assessing the quality of daylight simulators for colorimetry	J. Zwinkels (M)
CIE 135-1999 CIE Collection 1999 / Vision and Colour / Physical Measurement of Light and Radiation	J. Zwinkels (M)
CIE 129-1998 Guide for lighting exterior work areas	J Roberge (M)
CIE 124-1997 CIE Collection in Colour and Vision 1997	A. Robertson(M)
CIE 113-1995 Maintained Night-Time Visibility of Retroreflective Road Signs	W. Adrian
CIE 013.3-1995 Method of measuring and specifying colour rendering properties of light sources	A. Robertson (M)
CIE 115-1995 Recommendations for the Lighting of Roads for motor and pedestrian traffic	W. Adrian (M)
CIE 114-1994 CIE Collection in photometry and radiometry	A. Gaertner (M)
CIE 107-1994 Review of the Official Recommendations of the CIE for the Colours of Signal Lights	B. Tansley (M)

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CIE 111-1994 Variable Message Signs	P. R. Korpala (M)
CIE 104-1993 Daytime Running Lights (DRL)	J. White (M)
CIE 106-1993 CIE Collection in photobiology and photochemistry	J. Tsujita (M)
CIE 101-1993 Parametric effects in colour-difference evaluation	A. Robertson (M)
CIE 100-1992 Fundamentals of the Visual Task of Night Driving	W. Adrian (M), B. Tansley(M)
CIE 099-1992 Lighting education (1983-1989)	R. White (M)
CIE 086-1990 CIE 1988 2° spectral luminous efficiency function for photopic vision	P. K. Kaiser
CIE 087-1990 Colorimetry of self-luminous displays - A bibliography	W. Cowan (M)
CIE 081-1989 Mesopic photometry: History, special problems and practical solutions	P. K. Kaiser (A)
CIE 080-1989 Special metamerism index: Change in observer	P. Kaiser (A), G. Wyszecki (A)
CIE 077-1988 Electric light sources: State of the art - 1987	A. Mendel (M)
CIE 072-1987 Guide to the properties and uses of retroreflectors at night	B. Tansley (M)
CIE 067-1986 Guide for the photometric specification and measurement of sports lighting installations	S. W. McKnight (M)
CIE 65-1985 Electrically Calibrated Thermal Detectors of Optical Radiation (Absolute Radiometers)	L. P. Boivin (M)
CIE 64-1984 Determination of the Spectral Responsivity of Optical Radiation Detectors	W. Budde (A)
CIE 62-1984 Lighting for swimming pools	S. W. McKnight
CIE 059-1984 Polarization: Definitions and nomenclature, instrument polarization	W. Budde (M)
CIE 063-1984 The spectroradiometric measurement of light sources	C. Sanders (M), W. Budde (A)
CIE 061-1984 Tunnel entrance lighting: A survey of fundamentals for determining the luminance in the threshold zone	W. Adrian (M), A. Ketvirtis (M)

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CIE 60-1984 Vision and the Visual Display Unit Work Station	M. S. Rea (M)
CIE 58-1983 Lighting for sports halls	S. W. McKnight (M)
CIE 57-1983 Lighting for football	S. W. McKnight (M)
CIE 055-1983 Discomfort glare in the interior working environment	W. Adrian (M)
CIE 53-1982 Methods of Characterizing the Performance of Radiometers and Photometers	W. Budde (M), A. Gaertner (M), C. Sander (Ed)
CIE 019.21-1981 An analytic model for describing the influence of lighting parameters upon visual performance, 2nd ed., Vol.1.: Technical foundations	J. M. Chorlton (M), W. Adrian (A), A. Levy (A),
CIE 49-1981 Guide on the Emergency Lighting of Building Interior	G. F. Dean
CIE 045-1979 Lighting for ice sports	S. W. McKnight (M)
CIE 044-1979 Absolute methods for reflection measurements	W. Budde (M), A. Robertson (M), C. Sanders (M)
CIE 043-1979 Photometry of floodlights	M. G. Bassett (M)
CIE 40-1978 Calculations for Interior Lighting: Basic Method	M. G. Basset (M)
CIE 041-1978 Light as a true visual quantity: Principles of measurement	W. Adrian (M) P. Kaiser (M)
CIE 038-1977 Radiometric and photometric characteristics of materials and their measurement	W. Budde (M)
CIE 034-1977 Road lighting lantern and installation data: photometrics, classification and performance	A. Ketvirtis (M)
CIE 033-1977 Depreciation of installations and their maintenance	A. Ketvirtis (M)
CIE 32-1977 Lighting in Situations Requiring Special Treatment (in Road Lighting)	A. Ketvirtis (M)
CIE 031-1976 Glare and uniformity in road lighting installations	W. Adrian, (M) A. Ketvirtis (M)
CIE 016-1970 Daylight	M. Galbreath (M)