

**John D. Bullough - Selected Citations of Published Work**  
(revised 10 May 2004)

**Rea, M. S., A. Bierman, Y. He and J. Bullough. 1995. Initial Research and Development of a New Light Source for Off-Axis Viewing at Night [report to New York State Energy Research and Development Authority]. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Bruno, L. D. 1999. *An Evaluation of High Pressure Sodium and Metal Halide Light Sources for Parking Lot Lighting* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Rea, M. S., Y. He, A. Bierman and J. Bullough. 1995. Evaluation of Visual Function under Different Light Sources [report to U.S. Army Construction Engineering Research Laboratory]. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- He, Y. 1996. *Evaluating Light Source Efficacy Under Mesopic Conditions Using Reaction Times* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Mehra, M. 1997. *A Field Study of Building Perimeter Lighting at Mesopic Luminances* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Chen, L. 1998. *The Accuracy of Color Naming Under Different Light Sources at Low Photopic to Low Mesopic Conditions* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. and M. S. Rea. 1996. Lighting for neonatal intensive care units: Some critical information for design. *Light. Res. Tech.* 28: 189-198.**

- Levin, R. E. 1998. *Frequently Asked Questions: Neonatal Intensive Care Areas and Fluorescent Lighting*. Westfield, IN: OSRAM SYLVANIA.
- Mills, M. D. 1998. Light exposure is not associated with retinopathy of prematurity. *Arch. Ophthalmol.* 116(11): 1317-1318.
- Peters, K. L. 1998. Neonatal stress reactivity and cortisol. *J. Perinat. Neonat. Nurs.* 11(4): 45-59.
- Reynolds, J. D., R. J. Hardy, K. A. Kennedy, R. Spencer, W. A. J. van Heuven and A. R. Fielder. 1998. Lack of efficacy of light reduction in preventing retinopathy of prematurity. *New Engl. J. Med.* 338(22): 1572-1576.
- Fielder, A. R., C. Bentley and M. J. Moseley. 1999. Recent advances: Ophthalmology. *Br. Med. J.* 318: 717-720.
- Peters, K. L. 1999. Infant handling in the NICU: Does developmental care make a difference? An evaluative review of the literature. *J. Perinat. Neonat. Nurs.* 13(3): 83-109.
- Altimier, L. and L. Lutes. 2000. Changing units for changing times: The evolution of a NICU. *Neonat. Intens. Care* 13(October): 23-27.
- Children's Medical Ventures. 2000. *Bibliography: Environment*. South Weymouth: Children's Medical Ventures.
- Fielder, A. R. and M. J. Moseley. 2000. Environmental light and the preterm infant. *Semin.Perinatol.* 24(4): 291-298.
- Rea, M. S. (ed.). 2000. *Lighting Handbook: Reference and Application*. New York: Illuminating Engineering Society of North America.

- Jha, A. K., B. W. Duncan and D. W. Bates. 2001. Fatigue, sleepiness and medical errors. In *Making Health Care Safer: A Critical Analysis of Patient Safety Practices*. Rockville: Agency for Healthcare Research and Quality.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Bullough, J., M. S. Rea and N. H. Eklund. 1996. *Forward Lighting for Improved Visibility Through Snow* [report to New York State Department of Transportation]. Troy, NY: Rensselaer Polytechnic Institute.**

- Semmens, J. [ed.]. 1996. *Forward Lighting for Improved Visibility Through Snow* [review]. *Document Reviews* (December).
- Rea, M. S. 2000. The road not taken. *Proc. Ltg. 2000: CIBSE/ILE Joint Conf.*, York, July 9-11, p. 64.
- Rea, M. S. 2001. The road not taken. *Lighting J.* (January/February): 18.

**Bullough, J., M. S. Rea and R. G. Stevens. 1996. Light and magnetic fields in a neonatal intensive care unit. *Bioelectromagnetics* 17(5): 396-405.**

- Stevens, R. G. and S. Davis. 1996. The melatonin hypothesis: Electric power and breast cancer. *Environ. Health Perspect.* 104(Suppl. 1): 135-140.
- Stevens, R. G., B. W. Wilson and L. E. Anderson. 1997. Synthesis and conclusions. Chapter 24 in *The Melatonin Hypothesis: Breast Cancer and the Use of Electric Power*. Columbus: Battelle Press.
- Cherry, N. 1999. *Criticism of the Proposal to Adopt the ICNIRP Guidelines for Cellsites in New Zealand*. Canterbury: Lincoln University.
- Jove, M., M. Torrente, R. Gilabert, A. Espinar, P. Cobos and V. Piera. 1999. Effects of static electromagnetic fields on chick embryo pineal gland development. *Cells Tissues Organs* 165(2): 74-80.
- Petrucci, N. 1999. Exposure of the critically ill patient to extremely low-frequency electromagnetic fields in the intensive care environment. *Intensive Care Med.* 25(8): 847-851.
- Children's Medical Ventures. 2000. *Bibliography: Environment*. South Weymouth: Children's Medical Ventures.
- Rea, M. S. (ed.). 2000. *Lighting Handbook: Reference and Application*. New York: Illuminating Engineering Society of North America.
- Gupta, G. 2001. NICU environment and the neonate. *J. Natl. Neonatol. Forum* (Oct.-Dec.).
- Stevens, R. G. and M. S. Rea. 2001. Light in the built environment: Potential role of circadian disruption in endocrine disruption and breast cancer. *Cancer Cause Control* 12(3): 279-287.
- Nair, M. N. G., G. Gupta and S. K. Jatana. 2003. NICU environment: Can we be ignorant? *Med. J. Armed Forces India* 59(2): 93-95.

**He, Y., M. S. Rea, A. Bierman and J. Bullough. 1996. Evaluating light source efficacy under mesopic conditions using reaction times. *Proc. IESNA Nat. Conf.*, Cleveland, OH, p. 236.**

- Boyce, P. R., N. Eklund, B. Hamilton and L. Bruno. 1998. Perceptions of safety at night in different lighting conditions. *Proc. 4th EPRI/LRO Intl. Ltg. Res. Symp.*, Orlando, FL, May 19-21.
- Hurden, A., P. Smith, G. Evans, A. Harlow, A. Bunting and J. Barbur. 1998. Visual performance at mesopic light levels: An empirical model. *Proc. CIBSE Nat. Ltg. Conf.*, Lancaster University, Apr 5-8.
- Hurden, A., P. Smith, G. Evans, A. Harlow, A. Bunting and J. Barbur. 1999. Visual performance at mesopic light levels: An empirical model. *Light. Res. Technol.* 31(3): 127-131.
- Rea, M. S. 2001. Lighting technologies for the 21st century. *Proc. 46th IESANZ Conv.*, Auckland, New Zealand, April 20-22, pp. 1-13.
- Steffy, G. 2002. *Architectural Lighting Design*, 2nd. ed. New York: Wiley.
- Raynham, P. and T. Saksvikrønning. 2003. White light and facial recognition. *Lighting J.* 68(1): 29-33.

**Bullough, J. 1997. Mesopic photometry: Issues and implications. *CIE USNC/CNC Meeting*, Cleveland, OH, November 1.**

- Crawford, D. 1998. *Some issues in low light level vision* (Information sheet 136). Tucson, AZ: International Dark-Sky Association.
- Wright, R. 2001. *Exterior Lighting Baseline Study: Task 7.2.1*. Sonoma, CA: RLW Analytics.

**Bullough, J. and M. S. Rea. 1997. A simple model of forward visibility for snow plow operators through snow and fog at night. *TRB 76th Annual Mtg.*, Washington, DC.**

- Emerich, A. D. (ed.). 1997. NYSDOT at the 1997 annual meeting of the Transportation Research Board. *Transportation R&D News* (69): 1-4.
- Nakhla, H. K. 2001. *Debris Transport Around High-Speed Snowplows* [Ph.D. dissertation]. Troy, NY: Rensselaer Polytechnic Institute.

**Bullough, J. and M. S. Rea. 1997. Simple model of forward visibility for snowplow operators through snow and fog at night. *Trans. Res. Rec.* (1585): 19.**

- Boyce, P. R. and M. S. Rea. 1998. Different sources for different courses at mesopic lighting levels. *Proc. 4th Intl. Ltg. Res. Symposium*, Orlando, FL, May 19-21.
- Rea, M. S. 2000. The road not taken. *Proc. Ltg. 2000: CIBSE/ILE Joint Conf.*, York, July 9-11, p. 64.
- Dumont, E. 2002. Extended photometric model of fog effects on road vision. *16th TRB Symp. Visibility*, Iowa City, June.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Eklund, N. H., M. S. Rea and J. Bullough. 1997. A survey of New York State snow plow operators about forward lighting and visibility during nighttime operations. *TRB 76th Annual Mtg., Washington, DC.***

- Emerich, A. D. (ed.). 1997. NYSDOT at the 1997 annual meeting of the Transportation Research Board. *Transportation R&D News* (69): 1-4.
- Boyce, P. R. and M. S. Rea. 1998. Different sources for different courses at mesopic lighting levels. *Proc. 4th Intl. Ltg. Res. Symposium*, Orlando, FL, May 19-21.

**He, Y., M. S. Rea, A. Bierman and J. Bullough. 1997. Evaluating light source efficacy under mesopic conditions using reaction times. *J. Illum. Eng. Soc.* 26(1): 125.**

- Rea, M. S., A. Bierman, T. McGowan, F. Dickey and J. Havard. 1997. A field test comparing the effectiveness of metal halide and high pressure sodium illuminants under mesopic conditions. *Int. Conf. on Visual Scales*, Teddington, UK.
- Rea, M. S., Y. He and A. Bierman. 1997. Toward a system of mesopic photometry based upon M-channel response. *Int. Conf. on Visual Scales*, Teddington, UK.
- Berman, S. and R. Clear. 1998. Some vision and lighting issues at mesopic light levels. *Proc. 4th EPRI/LRO Intl. Ltg. Res. Symp.*, Orlando, FL, May 19-21.
- Bierman, A., Y. He and M. S. Rea. 1998. Visual reaction times: Method for measuring small differences. *Light. Res. Technol.* 30(4): 169-174.
- Crawford, D. 1998. *Some issues in low light level vision* (Information sheet 136). Tucson, AZ: International Dark-Sky Association.
- He, Y., A. Bierman and M. S. Rea. 1998. A system of mesopic photometry. *Light. Res. Technol.* 30(4): 175-181.
- Boyce, P. R. and M. S. Rea. 1998. Different sources for different courses at mesopic lighting levels. *Proc. 4th Intl. Ltg. Res. Symposium*, Orlando, FL, May 19-21.
- Levin, R. E. 1998. Mesopic issues for light sources. *Proc. 4th EPRI/LRO Intl. Ltg. Res. Symp.*, Orlando, FL, May 19-21.
- Lewis, A. L. 1998. Visual performance at low light levels: The role of light source spectra. *Proc. 4th EPRI/LRO Intl. Ltg. Res. Symp.*, Orlando, FL, May 19-21.
- Rea, M. S. 1998. A proposed system of photometry in the mesopic region. *Proc. 4th Intl. Ltg. Res. Symposium*, Orlando, FL, May 19-21, p. 49.
- Rea, M. S. 1998. Lighting and seeing: The difference between night and day. *Proc. 8th Intl. Symp. Sci. Technol. Light Sources*, Greifswald, Germany, August 30-September 3, p. 120.
- Berman, S. 1999. Discussion of An evaluation of high pressure sodium and metal halide light sources for parking lot lighting by P. R. Boyce and L. D. Bruno. *J. Illum. Eng. Soc.* 28(2): 28.
- Boyce, P. R. and L. D. Bruno. 1999. An evaluation of high pressure sodium and metal halide light sources for parking lot lighting. *J. Illum. Eng. Soc.* 28(2): 16.
- Bruno, L. D. 1999. *An Evaluation of High Pressure Sodium and Metal Halide Light Sources for Parking Lot Lighting* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lewin, I. and D. Smith. 1999. Improved luminaire performance by use of reduced envelope metal halide lamps. *Proc. IESNA Ann. Conf.*, New Orleans, p. 231.
- Plainis, S., I. J. Murray, K. Chauhan, W. N. Charman and A. Scott. 1999. Reaction times as an index of conspicuity at night. *8th Intl. Conf. Vision in Vehicles*, Boston, August 22-25.

- Berman, S. and R. Clear. 2000. Additivity constraints and visual task considerations in mesopic photometry. *Proc. IESNA Ann. Conf.*, Washington, July 30-August 2, p. 307.
- Boyce, P. R., N. H. Eklund, B. J. Hamilton and L. D. Bruno. 2000. Perceptions of safety at night in different lighting conditions. *Light. Res. Technol.* 32(2): 79-91.
- Boyce, P. R. and L. J. Sanford. 2000. Lighting to enhance visual capabilities. In *The Lighthouse Handbook on Vision Impairment and Vision Rehabilitation* (E. Faye et al., eds.). New York: Oxford University Press.
- Clear, R. 2000. [Letter to the editor]. *Light. Des. Appl.* 30(1): 46-47.
- Ketomäki, J. 2000. Goldman perimeter in studying visual field at low light levels. *Ingenieria Iluminatului* (5): 43-46.
- Lewin, I. 2000. [Response to Letter to the editor by R. Clear]. *Light Des. Appl.* 30(1): 47.
- Rea, M. S. (ed.). 2000. *IESNA Lighting Handbook: Reference and Application*. New York: Illuminating Engineering Society of North America.
- Rea, M. S. 2000. The road not taken. *Proc. Ltg. 2000: CIBSE/ILE Joint Conf.*, York, July 9-11, p. 64.
- Akashi, Y. and M. S. Rea. 2001. The effect of oncoming headlight glare on peripheral detection under a mesopic light level. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 25-26, p. 9.
- Akashi, Y. and M. S. Rea. 2001. Peripheral detection while driving under a mesopic light level. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 71.
- Berman, S. and R. Clear. 2001. Additivity constraints and visual task considerations in mesopic photometry. *J. Illum. Eng. Soc.* 30(1): 90.
- Fu, Z. 2001. *Effects of Headlamp Spectrum on Discomfort and Disability Glare* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lin, Y., H. Shao, P. Yao and T. Zhao. 2001. Visual performance at mesopic light levels. *Prog. Auto. Ltg. Symp.*, Darmstadt, Germany, September 25-26, p. 593.
- Lingard, R. and M. S. Rea. 2001. Off-axis detection at mesopic light levels in a driving context. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 57.
- Rea, M. S. 2001. Lighting technologies and techniques for the 21st century. *Globalcon Energy Fac. Mgmt. Expo.*, Atlantic City, March 29-30.
- Rea, M. S. 2001. The road not taken. *Lighting J.* (January/February): 18.
- Rea, M. S. 2001. Architectural lighting and energy efficiency. *Optics Photon. News* 12(8): 26-30.
- Wright, R. 2001. *Exterior Lighting Baseline Study: Task 7.2.1*. Sonoma, CA: RLW Analytics.
- Akashi, Y. and M. S. Rea. 2002. Peripheral detection while driving under a mesopic light level. *J. Illum. Eng. Soc.* 31(1): 85.
- Deng, L. and N. Narendran. 2002. Evaluating the acceptability of a new ceramic metal halide light source for outdoor lighting applications. *Proc. IESNA Ann. Conf.*, Salt Lake City, UT, Aug. 4-7, p. 165.
- Hurden, A., I. Moorhead, P. Ward, J. Taylor, T. Goodman, T.-J. Squire, H. Walkey and J. Barbur. 2002. *A Model for Predicting Visual Performance at Mesopic Light Levels*. Cambridge: Scientific Generics Ltd.
- Lewin, I. 2002. White versus sodium light: The newest developments. *Lighting J.* 67(6): 40-47.

- Lingard, R. 2002. *Off-Axis Detection at Mesopic Light Levels in a Driving Context* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lingard, R. and M. S. Rea. 2002. Off-axis detection at mesopic light levels in a driving context. *J. Illum. Eng. Soc.* 31(1): 33.
- Plainis, S. and I. J. Murray. 2002. Reaction times as an index of visual conspicuity when driving at night. *Ophthalmol. Physiol. Opt.* 22(5): 409-415.
- Steffy, G. 2002. *Architectural Lighting Design*, 2nd. ed. New York: Wiley.
- Van Derlofske, J. and M. McColgan. 2002. White LED sources for vehicle forward lighting. *Proc. SPIE*, Vol. 4776, Seattle, p. 195.
- Akashi, Y. and J. Neches. 2003. The effects of task load on peripheral target detection. *Proc. CIE*, San Diego, CA, June 25-July 2, p. D4-44.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Dee, P. A. 2003. *The Effect of Spectrum on Discomfort Glare* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.
- Lin, Y., C. Wencheng, C. Dahua, Y. Peiyu and S. Hong. 2003. The effect of spectrum on peripheral detection under night-time driving conditions. *Proc. CIE*, June 25-July 2, p. D1-82.
- Mulder, M. 2003. *Spectral Effects in Escape Route Lighting* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.
- Tokarczyk, J. 2003. *Area Lighting for an Automated Teller Machine for the Safety and Comfort of the User* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. and K. Conway. 1998. *Survey of California Municipalities about LED Traffic Signals*. Troy, NY: Lighting Research Center, Rensselaer Polytechnic Institute.**

- CTC and Associates LLC, and WisDOT RD and T Program. 2002. *U.S. and Overseas Conversion to LEDs in Traffic Signals Operational and Cost/Benefit Experience*. Madison, WI: Wisconsin Department of Transportation.

**Bullough, J. D., M. Huang and K. Conway. 1998. *Optimizing the Design and Use of Light-Emitting Diodes for Visually Critical Applications in Transportation and Architecture: Research Issues and Options*. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Nadel, S., L. Rainer, M. Shepard, M. Suozzo and J. Thorne. 1998. *Emerging Energy-Saving Technologies and Practices for the Buildings Sector*. Washington: American Council for an Energy-Efficient Economy.
- Eber, K. (ed.). 1999. Energy facts and tips: Traffic lights are significant energy users. *EREN Network News* (29 Sep.).
- Huang, K. 1999. *Detection and Identification of LED Traffic Signals by Protan Observers* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Morrison, D. 2000. Brighter LEDs signal longer life and lower power for lighting applications. *Electronic Des.* (18 Dec.).
- Haddlesey, P. 2001. LEDing a revolution? *Light and Lighting* (Mar.): 9-10.
- Jenicek, E. M., D. F. Fournier and A. Uzgiris. 2001. *Energy Manager Project Assistant: User Manual*. Champaign, IL: U.S. Army Construction Engineering Research Laboratory.

- U.S. Department of Energy. 2001. *2002 Priority Setting for New Products*. Washington: U.S. DOE Office of Building Research and Standards.
- Coope, R. J. N., L. A. Whitehead and A. Kotlicki. 2002. Modulation of retroreflection by controlled frustration of total internal reflection. *Appl. Opt.* 41(25): 5357-5361.
- Craine, S., W. Lawrance and D. Irvine-Halliday. 2002. Pico power: Lighting lives with LEDs. *Australasian Univ. Power Eng. Conf.*, Melbourne, Sept. 29-Oct. 2.
- CTC and Associates. 2003. *LED Warning Lights for DOT Vehicles*. St. Paul, MN: Minnesota Department of Transportation.
- Fox, D. and C. Michael. 2003. Glass technology as applied to LED technology. *IESNA Aviation Lighting Committee Fall Meeting*, Austin, October 21.
- Green, D. and M. Milanovic. 2003. *LED Technology for Improved Conspicuity of Signal Lights at Highway-Railway Grade Crossings*. Victoria, BC: Carmanah Technologies, Inc.
- McRae, M. R. and J. S. Peters. 2003. *Market Assessment of Green Light-Emitting Diode Traffic Lights in the Energy Trust's Service Territory*. Portland: The Energy Trust of Oregon.

**Bullough, J. and R. Wolsey. 1998. *Specifier Reports: Photosensors*. Troy, NY: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Bierman, A. and K. M. Conway. 1999. Characterizing daylight photosensor system performance to help overcome market barriers. *Proc. IESNA Ann. Conf.*, New Orleans, p. 413.
- Mistrick, R., C.-H. Chen, A. Bierman and D. Felts. 1999. Analysis of photosensor controlled electronic dimming systems in a small office. *Proc. IESNA Ann. Conf.*, New Orleans, p. 433.
- Bierman, A. and K. M. Conway. 2000. Characterizing daylight photosensor system performance to help overcome market barriers. *J. Illum. Eng. Soc.* 29(1): 101.
- Mistrick, R., C.-H. Chen, A. Bierman and D. Felts. 2000. A comparison of photosensor-controlled electronic dimming systems in a small office. *J. Illum. Eng. Soc.* 29(1): 66.
- Rea, M. S. (ed.). 2000. *IESNA Lighting Handbook: Reference and Application*. New York: Illuminating Engineering Society of North America.
- Koyle, B. 2001. *Continuous-Response Photosensors in Private, Perimeter Offices: An Experiment and Field Study* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Ehrlich, C., K. Papamichael, J. Lai and K. Revzan. 2002. A method for simulating the performance of photosensor-based lighting controls. *Energ. Bldgs.* 34(9): 883-889.
- Leslie, R. P. and J. A. Brons. 2002. An integrated skylight luminaire: Combining daylight and electric luminaires for energy efficiency. *Proc. Right Light 5*, Nice, May 29-31, pp. 269-278.
- Leslie, R. P. 2003. Capturing the daylight dividend in buildings: why and how? *Build. Environ.* 38: 381-385.
- Leslie, R. P. and J. A. Brons. 2003. An integrated skylight luminaire: Combining daylight and electric luminaires for energy efficiency. *Light Engineer.* 10(4): 20-30.

**Bullough, J. D. 1999. *Effects of Headlamp Color on Visual Perception through Perturbed Atmospheres* [M.S. thesis]. Troy, NY: Rensselaer Polytechnic Institute.**

- Boyce, P. R. and M. S. Rea. 1998. Different sources for different courses at mesopic lighting levels. *Proc. 4th Intl. Ltg. Res. Symposium*, Orlando, FL, May 19-21.

- Fu, Z. 2001. *Effects of Headlamp Spectrum on Discomfort and Disability Glare* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. D., P. R. Boyce, A. Bierman, K. M. Conway, K. Huang, C. P. O'Rourke, C. M. Hunter and A. Nakata. 1999. *Luminous Intensity for Traffic Signals: A Scientific Basis for Performance Specifications*. Troy, NY: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Suozzo, M., N. Borg, D. Frering, M. Lucas and P. Vrabel. 2000. LED traffic lights: Signaling a global transformation. *Proc. ACEEE Summer Study on Energy Eff. Bldgs*, Pacific Grove, CA.
- Green, D. and M. Milanovic. 2003. *LED Technology for Improved Conspicuity of Signal Lights at Highway-Railway Grade Crossings*. Victoria, BC: Carmanah Technologies, Inc.

**Bullough, J. D., H. K. Nakhla, B. E. Thompson, M. S. Rea and D. E. Amsler. 1999. *Improved Visibility for Snow Plowing Operations* [report to National Cooperative Highway Research Program]. Troy, NY: Rensselaer Polytechnic Institute and Washington, DC: National Cooperative Highway Research Program.**

- Rea, M. S. and B. E. Thompson. 2000. *Improved Visibility for Snowplowing Operations*, NCHRP Research Results Digest 250. Washington: National Cooperative Highway Research Program.
- Semmens, J. [ed.]. 2000. *Improved Visibility for Snow Plowing Operations* [review]. *Document Reviews* (May).

**Conway, K. M. and J. D. Bullough. 1999. Will LEDs transform traffic signals as they did exit signs? *Proc. IESNA Annual Conf.*, New Orleans, LA, p. 1.**

- Daly, K. and A. Bierman. 1999. Energy efficiency and LEDs. *IAEEL Newsletter* 8(23): 4.
- Rea, M. S. 2001. Lighting technologies and techniques for the 21st century. *Globalcon Energy Fac. Mgmt. Expo.*, Atlantic City, March 29-30.
- Simeonova, M. and N. Narendran. 2001. Colored light application in retail display window. *9th Cong. Intl. Color Assoc.*, Rochester, June 24-29, pp. 693-696.

**Bierman, A., P. Boyce, C. Hunter, J. D. Bullough, M. Figueiro and K. Conway. 2000. *The Effect of Rise Time on the Detection of Traffic Signals*. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Yan, H. 2002. *Visual Response to Incandescent, Sweeping Neon and LED Stop Lamps* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Boyce, P. R., A. Bierman, C. B. Carter, C. M. Hunter, J. D. Bullough, M. G. Figueiro and K. M. Conway. 2000. *The Color Identification of Traffic Signals*. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Bullough, J. D. 2000. The blue-light hazard: A review. *J. Illum. Eng. Soc.* 29(2): 6-14.**

- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Bullough, J. D. 2000. La vita è bella [lamp life]. *Ltg. Futures* 4(3): 1-5.**

- Narvarte, L., J. Muñoz and E. Lorenzo. 2001. Testing of fluorescent DC lamps for solar home systems. *Prog. Photovolt. Res. Appl.* 9: 475-489.
- Hong, E. 2003. *A Non-Contact Method to Determine Junction Temperature of High-Brightness AlGaInP Light Emitting Diodes* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. D. 2000. Roadway and outdoor lighting and mesopic vision. *Illuminating Engineering Society of North America, Milwaukee Section, Milwaukee, WI, March 9.***

- Wright, R. 2001. *Exterior Lighting Baseline Study: Task 7.2.1.* Sonoma, CA: RLW Analytics.

**Bullough, J. D., P. R. Boyce, A. Bierman, K. M. Conway, K. Huang, C. P. O'Rourke, C. M. Hunter and A. Nakata. 2000. Response to simulated traffic signals using light-emitting diode and incandescent sources. *Trans. Res. Board Mtg., Washington, DC.***

- Andersen, C. K. 2003. Development of a U.S. standard for direct emitting traffic signal lights. *Proc. CIE*, San Diego, CA, June 25-July 2, p. D4-30.

**Bullough, J. D., P. R. Boyce, A. Bierman, K. M. Conway, K. Huang, C. P. O'Rourke, C. M. Hunter and A. Nakata. 2000. Response to simulated traffic signals using light-emitting diode and incandescent sources. *Trans. Res. Rec. (1724): 39-46.***

- Andersen, C. K. 2001. On the use of clusters of light emitting diodes (LEDs) in transportation signaling lights. *2nd CIE Expert Symp. LED Meas.*, Gaithersburg, MD, May 10-12.
- Guerrier, J. H. and S.-H. Fu. 2002. *Elder Roadway User Program Test Sections and Effectiveness Study*, Task 4 Final Report to Florida Department of Transportation. Miami: University of Miami.
- Yan, H. 2002. *Visual Response to Incandescent, Sweeping Neon and LED Stop Lamps* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Green, D. and M. Milanovic. 2003. *LED Technology for Improved Conspicuity of Signal Lights at Highway-Railway Grade Crossings*. Victoria, BC: Carmanah Technologies, Inc.
- McGee, H. W. 2003. *Making Intersections Safer: A Toolbox of Engineering Countermeasures to Reduce Red-Light Running*. Washington: Institute of Transportation Engineers.

**Bullough, J. D. and M. S. Rea. 2000. Simulated driving performance and peripheral detection at mesopic and low photopic light levels. *Light. Res. Tech.* 32(4).**

- Lewin, I. 2000. Aspects of recent American research in lighting technologies. *Proc. Ltg. 2000: CIBSE/ILE Joint Conf.*, York, July 9-11, p. 14.
- Lewin, I. 2000. Aspects of recent American research in lighting technologies. *Lighting J.* (September/October): 36.
- Rea, M. S. 2000. The road not taken. *Proc. Ltg. 2000: CIBSE/ILE Joint Conf.*, York, July 9-11, p. 64.

- Akashi, Y. and M. S. Rea. 2001. The effect of oncoming headlight glare on peripheral detection under a mesopic light level. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 25-26, p. 9.
- Akashi, Y. and M. S. Rea. 2001. Peripheral detection while driving under a mesopic light level. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 71.
- Fu, Z. 2001. *Effects of Headlamp Spectrum on Discomfort and Disability Glare* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lewin, I. 2001. Lumen effectiveness multipliers for outdoor lighting design. *J. Illum. Eng. Soc.* 30(2): 40-52.
- Lingard, R. and M. S. Rea. 2001. Off-axis detection at mesopic light levels in a driving context. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 57.
- Rea, M. S. 2001. The road not taken. *Lighting J.* (January/February): 18.
- Rea, M. S. 2001. Architectural lighting and energy efficiency. *Optics Photon. News* 12(8): 26-30.
- Akashi, Y. and M. S. Rea. 2002. Peripheral detection while driving under a mesopic light level. *J. Illum. Eng. Soc.* 31(1): 85.
- Lewin, I. 2002. White versus sodium light: The newest developments. *Lighting J.* 67(6): 40-47.
- Ling, C. 2002. *Collision Avoidance Under Mesopic Conditions* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lingard, R. 2002. *Off-Axis Detection at Mesopic Light Levels in a Driving Context* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lingard, R. and M. S. Rea. 2002. Off-axis detection at mesopic light levels in a driving context. *J. Illum. Eng. Soc.* 31(1): 33.
- Van Derlofske, J. and M. McColgan. 2002. White LED sources for vehicle forward lighting. *Proc. SPIE*, Vol. 4776, Seattle, p. 195.
- Akashi, Y. and J. Neches. 2003. The effects of task load on peripheral target detection. *Proc. CIE*, San Diego, CA, June 25-July 2, p. D4-44.
- Bodrogi, P., G. Varady, A. Szalmas, R. Matrai, L. Beke, K. Gocza and J. Schanda. 2003. A mesopic contrast threshold experiment. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 135-139.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Lin, Y., C. Wencheng, C. Dahua, Y. Peiyu and S. Hong. 2003. The effect of spectrum on peripheral detection under night-time driving conditions. *Proc. CIE*, June 25-July 2, p. D1-82.
- Ling, C. 2003. Collision avoidance under mesopic conditions. *Proc. CIE*, June 25-July 2, p. D1-14.

**Narendran, N., J. D. Bullough, N. Maliyagoda and A. Bierman. 2000. What is useful life for white LEDs? *Proc. IESNA Annual Conf.*, Washington, DC.**

- Benya, J., L. Hescong, T. McGowan, N. Miller and F. Rubinstein. 2001. *Advanced Lighting Guidelines*, 2001 ed. White Salmon, WA: New Buildings Institute.
- Rea, M. S. 2001. Lighting technologies and techniques for the 21st century. *Globalcon Energy Fac. Mgmt. Expo.*, Atlantic City, March 29-30.

- Rea, M. S. 2001. Lighting technologies for the 21st century. *Proc. 46th IESANZ Conv.*, Auckland, New Zealand, April 20-22, pp. 1-13.

**Rea, M. S. and J. D. Bullough. 2000. Application efficacy. *Proc. IESNA Annual Conf., Washington, DC.***

- Banwell, P. and M. Figueiro. 2001. Energy-efficient design alternatives to residential recessed downlights. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 149.
- Rea, M. S. 2001. Lighting technologies and techniques for the 21st century. *Globalcon Energy Fac. Mgmt. Expo.*, Atlantic City, March 29-30.
- Rea, M. S. 2001. Lighting technologies for the 21st century. *Proc. 46th IESANZ Conv.*, Auckland, New Zealand, April 20-22, pp. 1-13.

**Bullough, J. D., P. R. Boyce, A. Bierman, C. M. Hunter, K. M. Conway, A. Nakata and M. G. Figueiro. 2001. Traffic signal luminance and visual discomfort. *Trans. Res. Rec. (1754): 42-47.***

- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Green, D. and M. Milanovic. 2003. *LED Technology for Improved Conspicuity of Signal Lights at Highway-Railway Grade Crossings*. Victoria, BC: Carmanah Technologies, Inc.

**Bullough, J. D. and M. S. Rea. 2001. Driving in snow: Effects of headlamp color at mesopic and photopic light levels. *SAE World Cong., Detroit, March 5-8.***

- Fu, Z. 2001. *Effects of Headlamp Spectrum on Discomfort and Disability Glare* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lingard, R. 2002. *Off-Axis Detection at Mesopic Light Levels in a Driving Context* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Mulder, M. 2003. *Spectral Effects in Escape Route Lighting* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. D., M. S. Rea, R. M. Pysar, H. K. Nakhla and D. E. Amsler. 2001. Rear lighting configurations for winter maintenance vehicles. *Proc. IESNA Ann. Conf., Ottawa, pp. 87-94.***

- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Daly, K. and J. D. Bullough. 2001. The long and lighted road: Lighting and driving. *Lighting Futures 5(1).***

- Benekohal, R. F. and M. V. Chitturi. 2002. *Drivers' Evaluation of Performance of LED Traffic Signal Modules*. Urbana: University of Illinois.
- Dee, P. A. 2003. *The Effect of Spectrum on Discomfort Glare* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.

**Narendran, N. and J. D. Bullough. 2001. Light emitting diodes as light sources. *9th Intl. Symp. Sci. Technol. Light Sources, Ithaca, NY, August 12-16.***

- LumiLeds Lighting. 2001. *Lumen Maintenance of White Luxeon Power Light Sources, Application Brief AB07 (Nov. 2001)*. San Jose, CA: LumiLeds Lighting.

- Lucas, M. L., R. Schmeltz, P. Vrabel and E. Wisniewski. 2002. Accelerating the commercial market's acceptance of LED light sources through strategic utility and public benefit program partnerships. *ACEEE Summer Study on Energy Effic. in Bldgs.*, Pacific Grove, CA, Aug. 18-23.
- Narendran, N. and L. Deng. 2002. Performance characteristics of light emitting diodes. *Proc. IESNA Ann. Conf.*, Salt Lake City, UT, Aug. 4-7, p. 157.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Narendran, N., J. D. Bullough, N. Maliyagoda and A. Bierman. 2001. What is useful life for white LEDs? *J. Illum. Eng. Soc.* 30(1): 57-68.**

- Narendran, N., N. Maliyagoda, L. Deng and R. Pysar. 2001. Characterizing LEDs for general illumination applications: Mixed-color and phosphor-based white sources. *SPIE 46th Annual Mtg.*, July 29-August 3, San Diego.
- Johnson, D. E. 2002. *LED Versus Neon: Frequently Asked Questions*. Berkeley Heights, NJ: The EGL Company.
- Narendran, N. and L. Deng. 2002. Performance characteristics of light emitting diodes. *Proc. IESNA Ann. Conf.*, Salt Lake City, UT, Aug. 4-7, p. 157.
- Raghavan R. and N. Narendran. 2002. Refrigerator display case lighting with LEDs. *Proc. SPIE*, Vol. 4776, Seattle, p. 74.
- Van Derlofske, J. and M. McColgan. 2002. White LED sources for vehicle forward lighting. *Proc. SPIE*, Vol. 4776, Seattle, p. 195.
- Anonymous. 2003. What defines LED lifetime? *Compound Semiconductor* (Oct.).
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Gu, Y. and N. Narendran. 2004. A non-contact method for determining junction temperature of phosphor-converted white LEDs. *Proc. SPIE*, Vol. 5187, Aug. 5-7, 2003, pp. 107-114.
- Hong, E. and N. Narendran. 2004. A method for projecting useful life of LED lighting systems. *Proc. SPIE*, Vol. 5187, Aug. 5-7, 2003, pp. 93-99.
- Narendran, N., L. Deng, R. M. Pysar, Y. Gu and H. Yu. 2004. Performance characteristics of high-power light-emitting diodes. *Proc. SPIE*, Vol. 5187, Aug. 5-7, 2003, pp. 267-275.

**Rea, M. S. and J. D. Bullough. 2001. Application efficacy. *J. Illum. Eng. Soc.* 30(2): 73-96.**

- Banwell, P. and M. Figueiro. 2002. Energy-efficient design alternatives to residential recessed downlights. *Proc. Right Light 5*, Nice, May 29-31, pp. 109-117.
- Raghavan R. and N. Narendran. 2002. Refrigerator display case lighting with LEDs. *Proc. SPIE*, Vol. 4776, Seattle, p. 74.
- Akashi, Y. 2003. Research matters: Efficient lighting through a self-luminous mode approach. *Light. Des. Appl.* 33(11): 10-12.

**Rea, M. S., J. D. Bullough and M. G. Figueiro. 2001. Human melatonin suppression by light: A case for scotopic efficiency. *Neurosci. Lett.* 299(1-2): 45-48.**

- Rea, M. S. 2001. Lighting technologies and techniques for the 21st century. *Globalcon Energy Fac. Mgmt. Expo.*, Atlantic City, March 29-30.
- Reilly, C. E. 2001. Melatonin is suppressed by rod-based illuminance in humans. *J. Neurol.* 248(4): 352-353.

- Wright, H. R. and L. C. Lack. 2001. Effect of light wavelength on suppression and phase delay of the melatonin rhythm. *Chronobiol. Int.* 18(5): 801-808.
- Nicol, D. B. and I. T. Ferguson. 2002. Development of a circadian light source. *Proc. SPIE*, Vol. 4776, Seattle, p. 255.
- Rea, M. S. 2002. Light: Much more than vision. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 1.
- Leslie, R. P. 2003. Capturing the daylight dividend in buildings: why and how? *Build. Environ.* 38: 381-385.
- Rougier, P. 2003. Adaptation des mécanismes de contrôle de la station debout non perturbée lors d'une obscurité prolongée. *Clin. Neurophysiol.* 33: 86-93.

**Van Derlofske, J. and J. D. Bullough. 2001. Guidelines for efficient street lighting and control of light pollution. 20th Annual IESNA Street and Area Lighting Conference, Orlando, FL, October 14-17.**

- Keith, D. M. 2002. Correlations of roadway UUD values to UPD, upright and classifications. *Proc. IESNA Ann. Conf.*, Salt Lake City, UT, Aug. 4-7.
- Keith, D. M. 2003. Correlations of roadway UUD values to UPD, upright and classification. *J. Illum. Eng. Soc.* 32(1): 29-40.

**Van Derlofske, J., J. D. Bullough and C. M. Hunter. 2001. Evaluation of high-intensity discharge automotive forward lighting. SAE World Cong., Detroit, March 5-8, p. 1-7.**

- Fu, Z. 2001. *Effects of Headlamp Spectrum on Discomfort and Disability Glare* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Dee, P. A. 2003. *The Effect of Spectrum on Discomfort Glare* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.
- Terburg, B., P. Schottland and D. S. Bryce. 2003. Lens material development for improved headlamp performance and brand differentiation. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 1078-1093.
- Van Derlofske, J. 2003. Research recap - HID headlamps: Balancing visibility and glare? *Light. Des. Appl.* 33(5): 10-13.

**Van Derlofske, J., J. D. Bullough, R. Lingard and M. Rea. 2001. Roadway lighting: A systems approach. Proc. 46th IESANZ Conv., Auckland, New Zealand, April 20-22, pp. 183-189.**

- Lingard, R. and M. S. Rea. 2001. Off-axis detection at mesopic light levels in a driving context. *Proc. IESNA Ann. Conf.*, August 5-8, Ottawa, p. 57.
- Lingard, R. 2002. *Off-Axis Detection at Mesopic Light Levels in a Driving Context* [thesis]. Troy: Rensselaer Polytechnic Institute.
- Lingard, R. and M. S. Rea. 2002. Off-axis detection at mesopic light levels in a driving context. *J. Illum. Eng. Soc.* 31(1): 33.
- Bodrogi, P., G. Varady, A. Szalmas, R. Matrai, L. Beke, K. Gocza and J. Schanda. 2003. A mesopic contrast threshold experiment. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 135-139.
- Van Derlofske, J. 2004. Seeing the big picture. *Light. Des. Appl.* 34(2): 27.

**Bullough, J. D. 2002. Interpreting outdoor luminaire cutoff classification. *Light. Des. Appl.* 32(7): 44-46.**

- McColgan, M. W. 2003. *Lighting Answers: Light Pollution*. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.
- Morel, E. 2003. Discussion of Correlations of roadway UUD values to UPD, upright and classification by D. M. Keith. *J. Illum. Eng. Soc.* 32(1): 36.
- Sundaram, S. 2003. *A Design Metric for Sky Glow* [thesis]. Troy: Rensselaer Polytechnic Institute.

**Bullough, J. D., Z. Fu and J. Van Derlofske. 2002. Discomfort and disability glare from halogen and HID headlamp systems. *SAE World Cong., Detroit, March 4-7, p. 1-5.***

- Van Derlofske, J. and M. McColgan. 2002. White LED sources for vehicle forward lighting. *Proc. SPIE*, Vol. 4776, Seattle, p. 195.
- Sivak, M., M. J. Flannagan, B. Schoettle and G. Adachi. 2003. Driving with HID headlamps: A review of research findings. *SAE World Congress*, Detroit, MI, March 3-6.
- Bryce, D. S., P. Schottland, C. Vicory and B. P. Terburg. 2003. Lens material development for improved halogen headlamp visibility. *SAE World Congress*, Detroit, MI, March 3-6.
- Dee, P. A. 2003. *The Effect of Spectrum on Discomfort Glare* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.
- Terburg, B., P. Schottland and D. S. Bryce. 2003. Lens material development for improved headlamp performance and brand differentiation. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 1078-1093.
- Van Derlofske, J. 2003. Research recap - HID headlamps: Balancing visibility and glare? *Light. Des. Appl.* 33(5): 10-13.
- Fekete, S. and J. Schanda. 2004. Uj fenyforrasok az autofenyoszorokban: Latas es kaprazas [New light sources in car headlamps: Visibility and glare]. *Elektrotechnika* 97(4): 123-126.

**McColgan, M. W., J. Van Derlofske, J. D. Bullough and I. Shakir. 2002. Subjective color preferences of common road sign materials under headlamp bulb illumination. *SAE World Cong., Detroit, March 4-7, p. 63.***

- Van Derlofske, J. and M. McColgan. 2002. White LED sources for vehicle forward lighting. *Proc. SPIE*, Vol. 4776, Seattle, p. 195.

**Rea, M. S., J. D. Bullough and M. G. Figueiro. 2002. Phototransduction for human melatonin suppression. *J. Pineal Res.* 32(4): 209-213.**

- Figueiro, M. G., G. Eggleston and M. S. Rea. 2002. Effects of light exposure on behavior of Alzheimer's patients: A pilot study. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 151.
- Figueiro, M. G., M. S. Rea, R. G. Stevens and A. C. Rea. 2002. Daylight and productivity: A possible link to circadian regulation. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 185.
- Rea, M. S. 2002. Light: Much more than vision. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 1.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.
- Figueiro, M. G., M. S. Rea and G. Eggleston. 2003. Light therapy and Alzheimer's disease. *Sleep Rev.* 4(1): 24.

- Lockley, S. W., G. C. Brainard and C. A. Czeisler. 2003. High sensitivity of the human circadian melatonin rhythm to resetting by short wavelength light. *J. Clin. Endocrinol. Metab.* 88(9): 4502-4505.
- Pauley, S. M. 2004. Lighting for the human circadian clock: Recent research indicates that lighting has become a public health issue. *EA Newsletter* 2(6).

**Rea, M. S., M. G. Figueiro and J. D. Bullough. 2002. Circadian photobiology: A new framework for lighting practice and research. *Light. Res. Technol.* 34(3): 177-190.**

- Fay, C. 2002. Daylight and productivity: A literature review [Appendix J]. *Adaptive Full-Spectrum Solar Energy Systems* by B. Wood and J. Muhs. Knoxville: Oak Ridge National Laboratory.
- Howlett, O. 2002. Rhythm and blues. *Light* (72): 18-19.
- Rea, M. S. 2002. Light: Much more than vision. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 1.
- Figueiro, M. G. 2003. Research recap [circadian photobiology]. *Light. Des. Appl.* 33(2): 17-19.
- Figueiro, M. G. 2003. Research recap: Light, aging and the circadian system - Reviving 'All that Jazz?' *Light. Des. Appl.* 33(6): 8-11.
- Houser, K. 2003. Reply to Letter to the editor by S. Walerczyk. *Light. Des. Appl.* 33(2): 4-6.
- Iwata, T. 2003. Study on exposed illuminance in daily life and circadian rhythm. *Proc. CIE*, San Diego, CA, June 25-July 2, p. D3-60.
- Leslie, R. P. 2003. Capturing the daylight dividend in buildings: why and how? *Build. Environ.* 38: 381-385.
- Ullah, M. B. and L. W. Lin. 2003. Daylight distribution in the living rooms of four types of public housing building in Singapore. *Lighting Res. Technol.* 35(2): 91-100.
- Zbigniew, T. 2003. Lighting systems for winter depression in the office. *Proc. CIE*, San Diego, CA, June 25-July 2, p. D3-106.
- Ashdown, I. 2004. Neural networks for LED color control. *Proc. SPIE*, Vol. 5187, Aug. 5-7, 2003, pp. 215-226.

**Van Derlofske, J., A. Bierman, M. S. Rea, J. Ramanath and J. D. Bullough. 2002. Design and optimization of a retinal flux density meter. *Meas. Sci. Technol.* 13(6): 821-828.**

- Figueiro, M. G., M. S. Rea, R. G. Stevens and A. C. Rea. 2002. Daylight and productivity: A possible link to circadian regulation. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 185.
- Rea, M. S. 2002. Light: Much more than vision. *5th LRO Ltg. Res. Symp.*, Orlando, FL, Nov. 3-5, p. 1.

**Van Derlofske, J., J. D. Bullough and C. M. Hunter. 2002. Visual benefits of high-intensity discharge forward lighting. *SAE World Cong.*, Detroit, MI, March 4-7.**

- Bryce, D. S., P. Schottland, C. Vicory and B. P. Terburg. 2003. Lens material development for improved halogen headlamp visibility. *SAE World Congress*, Detroit, MI, March 3-6.
- Terburg, B., P. Schottland and D. S. Bryce. 2003. Lens material development for improved headlamp performance and brand differentiation. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 1078-1093.

**Akashi, Y., P. Dee, J. Chen, J. Van Derlofske and J. D. Bullough. 2003. Interaction between fixed roadway lighting and vehicle forward lighting. *Prog. Auto. Ltg. Symp* (pp. 11-22), Darmstadt, Germany, September 23-24.**

- Van Derlofske, J. 2004. Seeing the big picture. *Light. Des. Appl.* 34(2): 27.

**Boyce, P. R., Y. Akashi, C. M. Hunter and J. D. Bullough. 2003. The impact of spectral power distribution on visual performance. *Light. Res. Technol.* 35(2): 141-161.**

- Boyce, P. R. and Y. Akashi. 2002. The impact of light spectrum on perception, performance and preference in photopic conditions. *Proc. IESNA Ann. Conf.*, Salt Lake City, UT, Aug. 4-7, p. 467.
- Fay, C. 2002. Daylight and productivity: A literature review [Appendix J]. *Adaptive Full-Spectrum Solar Energy Systems* by B. Wood and J. Muhs. Knoxville: Oak Ridge National Laboratory.
- Boyce, P. R. 2003. *Human Factors in Lighting*, 2nd ed. New York: Taylor and Francis.

**Bullough, J. D. 2003. *Lighting Answers: Light Emitting Diode Lighting Systems*. Troy: Lighting Research Center, Rensselaer Polytechnic Institute.**

- Anonymous. 2003. What defines LED lifetime? *Compound Semiconductor* (Oct.).
- Zhao, F. and J. Van Derlofske. 2003. Side-emitting illuminators using LED sources. *Proc. SPIE, Vol. 5186*, pp. 33-43.
- Hong, E. and N. Narendran. 2004. A method for projecting useful life of LED lighting systems. *Proc. SPIE, Vol. 5187*, Aug. 5-7, 2003, pp. 93-99.

**Bullough, J. D. 2003. Research matters: Safe and sound... With lighting? *Light. Des. Appl.* 33(9): 10-13.**

- Paulin, D. 2003. An insider's view of security guidelines [letter to the editor]. *Light. Des. Appl.* 33(11): 6-8.

**Bullough, J. D., J. Van Derlofske, P. Dee, J. Chen and Y. Akashi. 2003. *An Investigation of Headlamp Glare: Intensity, Spectrum and Size*. Washington: National Highway Traffic Safety Administration.**

- Van Derlofske, J. 2003. Research matters: Glare - A moving target on the roadway. *Lighting Des. Appl.* 33(12): 17-19.

**Bullough, J. D., J. Van Derlofske, P. Dee, J. Chen and Y. Akashi. 2003. Impact of headlight glare on peripheral visibility. *Prog. Auto. Ltg. Symp.*, Darmstadt, Germany, pp. 166-180.**

- Fekete, S. and J. Schanda. 2004. Új fényforrások az autofényszorokban: Latas és kaprazas [New light sources in car headlamps: Visibility and glare]. *Elektrotechnika* 97(4): 123-126.

**Rea, M. S., J. D. Bullough, J. P. Freyssinier and A. Bierman. 2003. X. *CIE Symp. Temp. Spatial Asp. Light and Col. Percept. Meas.*, Veszprém, Hungary, August 22-23, 2002, pp. 51-58.**

- Bodrogi, P., G. Varady, A. Szalmas, R. Matrai, L. Beke, K. Gocza and J. Schanda. 2003. A mesopic contrast threshold experiment. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 135-139.

- Lanyi, C. S. and J. Schanda. 2003. Preparing virtual streets for the investigation of mesopic vision. *6th Ann. Intl. Workshop Presence*, Aalborg, Denmark, October 6-8.

**Van Derlofske, J. and J. D. Bullough. 2003. Spectral effects of high-intensity discharge automotive forward lighting on visual performance. *SAE World Cong.*, Detroit, MI, March 3-6.**

- Dee, P. A. 2003. *The Effect of Spectrum on Discomfort Glare* [M.S. thesis]. Troy: Rensselaer Polytechnic Institute.
- Terburg, B., P. Schottland and D. S. Bryce. 2003. Lens material development for improved headlamp performance and brand differentiation. *Prog. Auto. Ltg. Symp.*, Darmstadt, September 23-24, pp. 1078-1093.
- Van Derlofske, J. 2003. Research recap - HID headlamps: Balancing visibility and glare? *Light. Des. Appl.* 33(5): 10-13.

**Van Derlofske, J., J. D. Bullough, P. Dee, J. Chen and Y. Akashi. 2003. Effects of vehicle forward lighting spectrum on glare. *Prog. Auto. Ltg. Symp.*, Darmstadt, Germany, pp. 1134-1143.**

- Fekete, S. and J. Schanda. 2004. Új fényforrások az autofényszorokban: Láthatóság és káprázás [New light sources in car headlamps: Visibility and glare]. *Elektrotechnika* 97(4): 123-126.

**Freyssinier, J. P., Y. Zhou, V. Ramamurthy, A. Bierman, J. D. Bullough and N. Narendran. 2004. Evaluation of LED-based channel letter signs. *Proc. SPIE*, Vol. 5187, August 5-7, 2003, pp. 309-317.**

- Ramamurthy, V., N. Narendran, J. P. Freyssinier, R. Raghavan and P. Boyce. 2004. Determining contrast sensitivity functions for monochromatic light emitted by high-brightness LEDs. *Proc. SPIE*, Vol. 5187, August 5-7, 2003, pp. 294-300.