MICHAEL J. SIMINOVITCH

Professor, Design Program, University of California, Davis
Director, California Lighting Technology Center
Associate Director, Energy Efficiency Center

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SUMMARY VITAE

EDUCATION

Doctorate in Architecture and Human Factors Engineering
University of Michigan, 1993
Dissertation: Efficient Lighting Design in Office and Industrial Lighting Applications

Master of Architecture
University of Illinois, 1982
Henry Adams AIA gold medalist

Master of Fine Arts in Industrial Design
University of Illinois, 1980
Phi Kappa Phi

Bachelor of Industrial Design, Faculty of Engineering
Carleton University (Ottawa, Canada), 1977
Degree awarded with High Distinction (Listed as Great Graduate 2007)

TEACHING and EDUCATION EXPERIENCE

Professor, University of California, Davis (2004 to present)
Undergraduate lecture courses in Lighting Design and Technology (history, color theory, lighting calculations, design theory, and technologies). Undergraduate design studio course in Lighting Design (fixture design)

Invited Lectureship, School of Architecture, King Mongkut's University of Technology Thonburi (May–August, 2008)
Taught foundation class on lighting fundamentals and an LED fixture design class.

Student Mentor for the Center for Science and Engineering Education Program, Lawrence Berkeley Laboratory (1989–94)
Responsible for supervising and coordinating research activities of engineering students and visiting scholars.

Graduate Teaching Assistant, University of Illinois, Champaign-Urbana (1979–81)
Responsible for course development and teaching freshman and sophomore design (six semesters). Ranked excellent teacher by University of Illinois Course Evaluation System, 1981.

RESEARCH POSITIONS

Rosenfeld Chair in Energy Efficiency, UC Davis (2012–present)

Director, California Lighting Technology Center, UC Davis (2003–present)
Responsible for overall development, management and strategic direction of CLTC, and fund-raising, project development and coordination of partnerships between university, industry and state entities.

Associate Director, Energy Efficiency Center, UC Davis (2006–present)

Deputy Group Leader, Lighting Systems Research Group, Lawrence Berkeley Laboratory (1998–2000)

Staff Scientist, Lighting Systems Research Group, Lawrence Berkeley Laboratory (1984–2004)

LIGHTING DESIGN (Major Projects)

Yaming Lighting Applications Center. Created concept and detailed design specifications for Yaming Lighting research and applications center in Shanghai, China. Facility is one of the largest Industry research and demonstrations centers in China. Major responsibilities included leading the design team and providing long term guidance to the final build-out

UC Davis Office of the Vice Chancellor. Created schematic and detailed design specifications for 10,000 square feet of office and multi-functional spaces. Lighting design included daylighting, task ambient and advanced occupancy control systems.

Cal-Poly Pomona. Responsible for the lighting design and equipment layout for Lighting Education Laboratories, California State Polytechnic University at Pomona, Engineering School.

Atlanta Energy House. Lighting Design Consultant for the Atlanta Energy House, sponsored by DOE. Prepared design and specifications for energy-efficient design. Coordinated with manufacturers on acquisition and installation.

SMUD Corporate Headquarters. Lighting Designer for the main lobby of the corporate headquarters building in Sacramento. Installation of indirect sulfur lighting and CFL downlighting systems. Responsible for development of new fixtures, interior layout and coordination with manufacturers.

Rodeo Post Office. Developed new, integrated lighting combining novel task lighting, high-efficiency ambient lighting, and lighting controls systems. Design reduced lighting energy use by 70%. Design was featured on a FEMP review and telecast of efficient designs and selected winner of the FEMP Innovative Technology Award.

California Lighting Technology Center. Developed schematic and detailed design specifications for 7,000 square feet of laboratory office and multi-functional spaces. Lighting design used cutting-edge lighting components and systems.

NEW INITIATIVES (Industry and State Partnerships)

UC Davis 60% Lighting Initiative. Created the UC Davis 60% lighting energy saving initiative as one of largest lighting retrofit projects in California. Bi-level controls systems for exterior lighting. Technology development and demonstration with state, utility and industry sponsors.

- >$3M in research and development projects
- Multiple UC demonstrations
- Multiple utility and industry partners

The California Smart Lighting State-wide Initiative. Bi-level controls systems for exterior lighting. Technology development and demonstration with state, utility and industry sponsors.

- >$1M in research and development projects
- Multiple statewide demonstrations
- Multiple utility and industry partners
- Active code engagement

Super CFL lamp Initiative for the State of California. Established statewide initiative for next-generation CFL as a broad consortium of utility partners.

- Developed and conceived CFL Initiative as a statewide effort
- Coordinated broad, statewide utility alliance for program
- Developed and supported technical efforts for specifications

PROFESSIONAL AWARDS AND HONORS

Flex Your Power Award 2007
Flex your Power, State of California for PLS task lighting system (with Finelite)

Listed as a Great Graduate 2007
Carleton Alumni Association Carleton University

Flex Your Power Award 2005
Flex Your Power, State of California for novel controls switch for hotels

Outstanding Mentor Award 2002
USDOE Office of Science Undergraduate Student Program

US Department of Energy Outstanding Mentor Award 2002
Lawrence Berkeley National Laboratory, Presented by the Office of Science US Department of Energy Undergraduate Student Program

Engineer of the Year Award 2002
Association of Energy Engineers

Outstanding Performance Award Lawrence Berkeley Laboratory 2002

Energy 100 Award, US Department of Energy
Research project ranked by DOE as one of the hundred discoveries and innovations from the Department of Energy that have resulted in improvements for American consumers (1977- 2000)

Innovative Technology Award, FEMP (Federal Energy Management Program)
For the integrated lighting technology developed and demonstrated at the US Post Office Rodeo, California October, 2000

Ranked among the Five Most Successful Initiatives of the 1990s from the U.S. Department of Energy's Office of Building Technologies
Ranking and report on research projects prepared by the ACEEE December, 1998

Ranked Number One in the State of California PIER Proposal Process
California Energy Commission for proposal titled "Energy Efficient Kitchen Lighting" funded to $650K

Grand Prize, Best of What's New Award - Home Technologies
Popular Science, November 1997

Citation for Energy Management in the Federal Sector
Awarded by the Federal Interagency Energy Policy Committee , October 1995

Engineer of the Year Award 1994
Association of Energy Engineers

Department of Energy In-house Energy Management Award 1995
U.S. Dept. of Energy for lighting retrofit programs at Lawrence Berkeley Laboratory

Federal Laboratory Consortium Award for Excellence in Technology Transfer 1994
Awarded for the transfer of technology to the fixture industry.

Manufacturing Systems Development Department Award 1993
IEEE/IAS, for the transfer of technology to the fixture industry

Award for Excellence in Technology Transfer 1991

Committee First Prize Paper Award 1990
Rubinstein, F. and M. Siminovitch. "Achieving 50% Energy Savings with Automatic Lighting Controls." Presented by the Production and Application of Light Committee, IEEE, Industrial Applications Society.

Federal Laboratory Consortium Award for Excellence in Technology Transfer 1991

1988 Society Prize Paper Award
Presented by the IEEE Industrial Applications Society, 1988, for the report, "The Effects of Fixture Type and HVAC Integration on Fluorescent Lamp Ballast Performance".

Certificate of Merit for Technical Transfer
Lawrence Berkeley Laboratory, University of California. 1988

Certificate of Merit 1989-92
Awarded for mentoring minority students

Charles W. Seabury Fellowship 1988
University of Michigan, School of Architecture

The Henry Adams Gold Medal 1983
American Institute of Architects, University of Illinois, School of Architecture

Ranked Excellent Teacher 1981
University of Illinois Instructor and Course Evaluation System

The Francis J. Plym Fellowship 1981
University of Illinois

The Edward C. Ware Fellowship 1981
University of Illinois

Phi Kappa Phi Honor Society 1979
University of Illinois

PROFESSIONAL ACTIVITIES AND AFFILIATIONS

- Invitation to join the Board of Advisors. Strategies in Light. May 2012.
- Advisor, California Public Utilities Commission Strategic Lighting Plan Committee, 2009
- Lead Advisor, UC Irvine Application Center, 2009
- Member, International Association of Lighting Designers (IALD) Conference Planning, 2009
- Member, Western Cooling Efficiency Center (WCEC) Steering Committee, 2009
- Member, Lighting Efficient and PIER developments with Emerging Technologies Coordinating Council, 2008
- Associated Lighting Representatives (ALA) Engineering Committee, 2008
- Green Davis Athletic Facilities Committee, 2008
- Served as co-planner for EEC operations and integration with CLTC, 2006
- Member of departmental committee on development, 2005-2006
- Served on planning committee for UCD Energy Efficiency Center (EEC) grant, 2005.
- Member of the Illuminating Engineering Society, 1989-94, 2005-2006
- Session Chairman, (Invited), Efficient Lighting Technology Seminar, AEE Conference Denver, 1997
- Member of the Lighting Efficiency Advisory Group, California Energy Commission, 1994,1995,1996
- Board of Managers, Golden Gate Section of the Illuminating Engineering Society, 1994-96
- Session Chairman, Lamp Technology, Efficient Technology Seminar, Sponsored by Hawaiian Electric Company October. 1994
- Session Chairman, Energy Efficient Fixtures, Southern California Energy Conference, 1994
- President, Golden Gate Section of the Illuminating Engineering Society, 1992
- Member California Compact, 1990-1993
- Member California Compact technical committee, 1990-1992
- Session Chairman, Lighting Efficiency Conference, Anaheim CA, 1991.
- Vice President Golden Gate Section of the Illuminating Engineering Society, 1991.
- Session Chairman, Advanced Lighting Session, World Energy Congress. Atlanta 1991.
- Member of the IEEE Industrial Applications Society 1989-1991
- Member of the Production and Application of Light Committee, IAS-IEEE. 1989
- Invited guest of the NEMA Task Force on Massachusetts Lighting Legislation.

- Program Chairman, Illuminating Engineering Society, Golden Gate Section, 1989-1992. *Organized and set up programs and speakers for IES section. Coordinated facilities, audio/visual and negotiated restaurant arrangements.*
- Papers Chairman, Production and Application of Light Committee, 1990-1992. The Industry Applications Society of the IEEE. Responsible for soliciting, selection and review of technical papers for the Lighting committee.
- Secretary, Production and Application of Light Committee, IEEE. 1989, 1990. *Responsible for preparing minutes of annual meeting. Coordinate correspondence and setup additional activities related to membership.*
- Session Chairman, Advanced Lighting Session, World Energy Congress. Atlanta, 1990. *Responsible for selecting speakers organizing papers and developing program session.*
- Session Chairman, Production and Application of Light Committee, IEEE Conference, 1989, 1990.
- Vice Chairman, Production and Application of Light Committee, 1990, 1991.

MAJOR RESEARCH PROGRAMS AND GRANTS

CA Institute for Energy and Environment (CIEE)
2009-2011 Investor-Owned Utilities Lighting Program
April 2011 – December 2011
$7,500

Lawrence Berkeley National Lab (LBNL)
US China Clean Energy Research Center (CERC)
July 2011 – June 2016
$249,995

Department of Energy (DOE)/Lawrence Berkeley National Lab (LBNL)
Development of Lighting Standard
February 2011 – January 2013
$225,000

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
Expanding PIER Partnerships:New Concepts for Development and Demonstration
May 2010 – December 2010
$83,033

CA Public Utilities Commission (CPUC)/CA Institute for Energy & Environment (CIEE)
2009-2011 Investor-Owned Utilities Lighting Program
August 2009 – December 2010
$102,643

CA Energy Commission (CEC)
Realizing Energy Efficient Lighting in California:Planning, Coordination, Implementation, Evaluation, Reporting and Outreach
June 2009 – March 2013
$3,511,481

Sacramento Municipal Utilities District (SMUD)
Evaluation of Safety, Thermal and Photometric Performance and Lifetime of LED Lamp Replacements for Linear Fluorescent Lamps

January 2009 – February 2010
$35,000

CA Public Utilities Commission (CPUC)/CA Institute for Energy & Environment (CIEE)
2009 – 2011 Investor-Owned Utilities Lighting Program
December 2008 – July 2009
$84,601

WalMart
Gift from WalMart to Support CLTC Research
October 2010 – September 2011
$23,500

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
Partners for Energy Efficient Lighting
November 2008 – June 2009
$330,103

Don Aumann Memorial
Gifts to Support Lectures by Distinguished Leaders in the Field of Lighting and Energy Efficiency
Indefinite

Building Energy Research Grant (BERG)
Decorative Residential LED Fixtures
February 2008 - June 2009
$198,891

Annenberg Foundation
Annenberg Foundation's Blue Planet Initiative – Photovoltaic-Powered LED Residential Kitchen Lighting Systems
December 2007 – October 2008
$15,000

MW McWong International
Undercab LED Fixture Design
September 2006 – December 2006
$5,193

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
Derivative Lighting Technologies
2006
$409,460

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
UC/CSU PIER Demos Phase I
2006
$716,146

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
Sustainable Lighting Products
2006
$54,670

Lawrence Berkeley National Lab (LBNL)
PIER Project 2.1
2006
$41,056

Architectural Energy Corporation (AEC)
Lighting California's Future
June 2007 – October 2010
$983,038

Full Spectrum
Thermal Evaluation – Phase 2
July 2006 – November 2006
$10,350

State Energy Resources Conservation and Development Commission
Technical and Policy Options for Improving the Efficiency of Electric Light Sources in California
June 2007 – November 2007
$150,000

CA Institute for Energy and Environment (CIEE)/CA Energy Commission (CEC)
California Lighting Information Portal for Research and Emerging Technologies
October 2006 – December 2009
$395,577

WattStopper
Fellowship
February 2007 – January 2009
$50,000

Hussman Corporation
Hussmann LED Refrigerated Case
April 2006 – July 2006
$18,000

Rochester Institute of Technology
NPS Hybrid Field Demo
May 2005 – April 2007
$18,830

Luminaire Lighting, Inc.
Ray Trace Analysis for Exterior Fixtures
November 2005 – March 2006
$5,850

Architectural Energy Corporation (AEC)
Lighting Research Program Follow-Up
September 2005 – January 2006
$10,000

US Environmental Protection Agency (EPA)
Title 24 Builder Workshops and Post Workshop Support
June 2005 – November 2006
$25,000

San Diego Gas and Electric (SDGE)
Title 24 Residential Lighting Guide
April 2005 – December 2005
$10,000

Pacific Gas and Electric (PG&E)
Title 24 Residential Lighting Guide and Workshops
August 2005 – December 2005
$37,680

Southern California Edison (SCE)
Title 24 Residential Lighting Guide
July 2005 – December 2006
$27,000

University of California Office of the President (UCOP)/CA Energy Commission (CEC)
Developing Lighting Technologies – Final Phase
March 2006 – March 2009
$409,476

California State University (CSU)
UC/CSU Demonstrations Project of PIER Technologies – Phase 2
May 2005 – August 2008
$1,011,655

Sacramento Municipal Utilities District (SMUD)
Folsom-Cordova Unified School District
January 2005 – December 2005
$67,500

California Crop Improvement Association (CONSOL)
Residential Lighting Controls Initiative
October 2004 – December 2005
$42,000

Sportlite, Inc.
Sportlite, Incorporated
August 2004 – May 2005
$29,890

Southern California Edison (SCE)
Southern California Edison
July 2004 – June 2006
$45,238

Department of Conservation
Berkeley Lamp Project
May 2004 – April 2005
$86,878

PATENTS

U.S. Patent 7,781,713: "Method for calibrating a lighting control system that facilitates daylight harvesting." Issued August 24, 2010.

U.S. Patent 7,683,301: “Method for preventing incorrect lighting adjustment in a daylight harvesting system.” Issued March 23, 2010.

U.S. Patent 7,592,583: “Photosensor with customizable angular-response characteristics.” Issued September 22, 2009.

U.S. Patent 6,923,505: “Ergonomically neutral arm support system.” Issued August 2, 2005.

U.S. Patent 6,398,384: “Table lamp with dynamically controlled lighting distribution and uniformly illuminated luminous shade Issued June 4, 2002.

U.S. Patent 6,318,880: “Portable lamp with dynamically controlled lighting distribution.” Issued November 20, 2001.

U.S. Patent 6,217,197: “Reflector system for a lighting fixture.” Issued April 17, 2001.

U.S. Patent 6,128,431: “High efficiency source coupler for optical waveguide illumination system.” Issued October 3, 2000.

U.S. Patent 5,803,593: “Reflector system for a lighting fixture.” Issued September 8, 1998.

U.S. Patent 5,717,277: “Compact fluorescent lamp using horizontal and vertical insulating septums and convective venting geometry.” Issued February 10, 1998.

U.S. Patent 5,651,609: “Convection venting lensed reflector-type compact fluorescent lamp system.” Issued July 29, 1997.

U.S. Patent 5,174,646: “Heat transfer assembly for a fluorescent lamp and fixture.” Issued December 29, 1992.

U.S. Patent 5,161,884: “Thermal element for maintaining minimum lamp wall temperature in fluorescent fixtures.” Issued November 10, 1992.

INVENTION DISCLOSURES

UC Case 2005-093: "Universal adapter assembly for the integration of occupancy sensors and daylight sensors to exterior luminaires." Disclosure date: August 27, 2004.

UC Case 2005-094: "Hotel guestroom bathroom lighting system." Disclosure date: August 27, 2004.

UC Case 2005-231: "Automated nightlight." Disclosure date: October 27, 2004.

UC Case 2005-463: "Fan charge kit." Disclosure date: February 14, 2005.

UC Case 2005-464: “LED light-suite workstation lighting system." Disclosure date: February 14, 2005.

UC Case 2005-465: "Turbo charge kit." Disclosure date: February 14, 2005.

UC Case 2005-466: "CFL highbay testing curriculum." Disclosure date: February 14, 2005.

UC Case 2005-647: "Compact fluorescent lamp using horizontal and vertical insulating septums and convective venting geometry." Disclosure date: April 28, 2005 (disclosure transferred from LBNL). **US Patent 5,717,277**, issued February 10, 1998.

UC Case 2005-648: "High-efficiency source coupler for optical waveguide illumination system." Disclosure date: april 28, 2005 (disclosure transferred from LBNL). **US Patent 6,128,431**, issued October 3, 2000.

UC Case 2005-649: "Reflector system for a lighting fixture." Disclosure date: April 28, 2005 (disclosure transferred from LBNL). **US Patent 6,217,197**, issued April 17, 2001.

UC Case 2005-650: "Reflector system for lighting fixture." Disclosure date: April 28, 2005 (disclosure transferred from LBNL). **US Patent 5,803,593**, issued September 8, 1998.

UC Case 2005-651: "Dual LED/incandescent security fixture." Disclosure date: April 29, 2005 (disclosure transferred from LBNL). **US Patent 6,909,239**, issued June 21, 2005.

UC Case 2006-044: "CFL highbay cooling turbo outside kit." Disclosure date: July 21, 2005.

UC Case 2006-173: "Portable luminaire with adjustable distribution." Disclosure date: September 26, 2005.

UC Case 2006-239: "Simplified daylighting controls." Disclosure date: October 20, 2005. **US Patent 7,781,713**, issued August 24, 2010.

UC Case 2006-277: "Dual photo-sensor dimming daylight controls." Disclosure date: November 03, 2005. **US Patent 7,683,301**, issued March 23, 2010.

UC Case 2006-347: "Optimized daylight control photosensor." Disclosure date: December 13, 2005. **US Patent 7,592,583**, issued September 22, 2009.

UC Case 2006-600: "Novel LED under-cabinet lighting fixture for kitchens and office environments." Disclosure date: April 20, 2006.

UC Case 2006-650: "Power line phase cut signaling." Disclosure date: May 19, 2006.

UC Case 2006-671: "Distributed power LED downlight." Disclosure date: May 26, 2006.

UC Case 2007-029: "Lamp cooling technique for linear fluorescent lamps, primarily in multilamp scenarios where a large amount of heat can build up." Disclosure date: July 13, 2006.

UC Case 2007-055: "High-performance hybrid LED/CFL downlights for dynamic user control." Disclosure date: July 25, 2006.

UC Case 2007-135: "HID power line controlled bi-level system based on occupancy." Disclosure date: September 1, 2006.

UC Case 2007-209: "Smart track." Disclosure date: October 06, 2006.

UC Case 2007-411: "Flexible LED under-cabinet luminaire." Disclosure date: February 02, 2007.

UC Case 2008-571: "LED retrofit kit." Disclosure date: February 27, 2008.

UC Case 2010-753: "A hybrid dual-source exterior lighting system." Disclosure date: May 06, 2010.

PUBLICATIONS

2011 “Adaptive Exterior Lighting Guide,” California Lighting Technology Center.

2011 “Bear Valley Visitor Center Lighting Retrofit Guide for National Parks,” California Lighting Technology Center.

2011 “CA Energy Efficiency Strategic Plan: Lighting Chapter,” California Lighting Technology Center.

2010 Fernandes, L., Siminovitch, M., Papamichael, K., “Research Matters.” *Lighting Design Application* Magazine, Illuminating Engineering Society, March.

2010 “Title 24 Residential Lighting Design Guide,” California Lighting Technology Center.

2010 “Exterior Lighting Guide for Federal Agencies,” California Lighting Technology Center.

2009 “2010 Lighting Technology Overview,” California Lighting Technology Center.

2009 Graeber, K., Siminovitch, M. “BERG Final Report Decorative Residential LED Fixtures.” California Energy Commission, 2009.

2009 Siminovitch. “Tips for Your Community: How to Save Lighting Energy.” Western City Magazine, June.

2009 Graeber, K., Page, E., Pistochini, T., Siminovitch, M. “Developing Lighting Technologies Summary Report.” California Energy Commission, March.

2008 Graeber, K., Page, E., Pistochini, T., Siminovitch, M. “Developing Lighting Technologies Hybrid Lighting Systems.” California Energy Commission, October.

2008 Graeber, K., Page, E., Pistochini, T., Siminovitch, M. “Developing Lighting Technologies Smart Bi-Level Exterior Lighting.” California Energy Commission, May.

2008 Graeber, K., Page, E., Pistochini, T., Siminovitch, M. “Developing Lighting Technologies Integrated Office Lighting.” California Energy Commission, May.

2007 Siminovitch, M. “Michael’s Top Ten,” on energy savings in the home. California Lighting Technology Center.

2007 Graeber, K., Page, E., Pistochini, T., Siminovitch, M. “Developing Lighting Technologies Consumer Office Torchieres.” California Energy Commission, October.

2007 Papamichael, K., Page, E., Siminovitch, M., “Lighting Research Program Project 4.1 Hotel And Institutional Bathroom Lighting.” California Energy Commission, March.

2000 Driscoll, Yazdanian and Siminovitch. Structural Stability Analysis of a Quartz Fiber Optic Coupler Under Thermal Loading. Journal of the Illuminating Engineering Society, Spring, 2000.

2000 Page and Siminovitch. Lighting Energy Savings Opportunities in Hotel Guestrooms, Proceedings of the 2000 American Council for an Energy Efficient Economy Summer Study on Energy Efficiency in Buildings, August, Monterey, CA.

1998 Siminovitch, Marr, Mitchell, Page. Energy Efficient Alternatives to Halogen Torchieres. Presented at 1997 Illuminating Engineering Society of North America Conference, Seattle, WA, 1997. Published in the Journal of the Illuminating Engineering Society, Summer 1998, Vol. 27, No. 2.

1997 Siminovitch, Gould, Page. "High Efficiency Indirect Lighting System Utilizing the Solar 1000 Sulfur Lamps." Draft, Lighting System Research Group: LBNL, Draft Pub # 40506, Presented to Right Light 4 in November 1997, Copenhagen, Denmark.

1997 Page and Siminovitch. Photometric Assessment of Energy Efficient Torchieres, Proceedings of Right Light Four: 4th European Conference on Energy-Efficient Lighting, Copenhagen, Denmark. November.

1997 Page, Driscoll, Siminovitch. "Integral CFLs Performance in Table Lamps," Lighting System Research Group: LBNL, Pub # 40244, Presented to IESNA, Seattle, WA, August 1997.

1997 Mills, Bell, Sartor, Chen, Avery and Siminovitch. Energy Efficiency in California Laboratory Facilities. Lawrence Berkeley laboratory report-39061. July 1997.

1997 Siminovitch, Marr, Mitchell, Page. Energy Efficient Alternatives to Halogen Torchieres. Presented at 1997 Illuminating Engineering Society of North America Conference,

Seattle, WA, 1997. Published in the Journal of the Illuminating Engineering Society, Summer 1998, Vol. 27, No. 2.

1997 Page and Siminovitch. "The Energy Case against Halogen Torchieres." Lighting System Research Group: LBNL. Proceedings of Globalcon '97, AEE, April 1997.

1997 Page, Mills and Siminovitch. New Energy Efficient Torchieres Ready For Hot Torchiere Market. Proceedings of Energy Efficiency in Household Appliances, Florence, Italy. November.

1995 Navvab, Siminovitch and Love. Variability of Daylight in Luminous Environments. In Proceedings of the annual Illuminating Engineering Conference 1995.

1995 Crawford, Gould, Packer, Rubinstein and Siminovitch. An In-Situ Photometric and Energy Analysis of a Sulfur Lamp Lighting System. In Proceedings of Illuminating Engineering Society of North America Annual Conference, New York, NY, July 29 – August 3.

1995 Crawford, Gould, Packer, Rubinstein and Siminovitch. A Photometric and Energy Assessment of a Novel Lighting System. In Proceedings of the 3rd European Conference on Energy-Efficient Lighting. June.

1995 Siminovitch and Mills "Dedicated CFL Fixtures Bring Savings to the Home International Association for Energy-Efficient Lighting, Newsletter. Issue no. 10, vol. 4 1995

1995 Page, Praul and Siminovitch. “Comparative Candlepower Distribution Analysis for Compact Fluorescent Table Lamp Systems.” Presented at the annual Illuminating Engineering Conference.

1995 Siminovitch, Mills, Page and Sardinsky. Dedicated Compact Fluorescent Fixtures: The Next Generation for Residential Lighting, Lawrence Berkeley Laboratory Report N0. 36835. Published in the Proceedings of the 3rd European Conference on Energy-Efficient Lighting, June.

1994 Siminovitch and Mills. The Next Generation of Programs for Accelerating Compact Fluorescent Technology in Residential Applications, Lawrence Berkeley Laboratory Report.

1994 Siminovitch, Centralized Lighting Systems. Published in the Lighting Technical Journal of the Russian Illuminating Engineering Society.

1994 Siminovitch, Eric Pankonin, Chad Praul and Chin Zhang. Improving the Performance of Integral Screw-Base Compact Fluorescent Lamps in a Base-Down Burning Position Using Thermal Bridge Systems. Published in the Proceedings of the Annual Illuminating Engineering Conference, August.

1994 Siminovitch and Zhang. Fixture Efficiency. Published in the Journal of Energy Engineering.

1993 Siminovitch, Hamilton, Verderber and Zhang. Dirt Depreciation in Compact Fluorescent. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Toronto, Canada, October.

1993 Siminovitch, Kleinsmith and Zhang. Variations in Convective Venting to Increase Efficiency of Compact Fluorescent Downlights. In Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Toronto, Canada, October.

1993 Siminovitch, Hamilton, A., Zhang, C. and Verderber, R. Dirt Depreciation of Compact Fluorescent Lamp Downlights. Published in the Proceedings of the IEEE (Institute of Electrical and Electronic Engineers) Conference, Toronto, Canada, July.

1993 Siminovitch, Kleinsmith and Zhang. Convective Venting Strategies to Increase Efficiency. Presented at the Annual AEE Conference, Anaheim, California.

1992 Siminovitch, Navvab, M., and Kowalewski, H. Contrast Potential Assessment Using Large Solid Angle Illuminance Measurements. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers – Industry Application Society Conference, Houston, Texas, October.

1992 Sgro and Siminovitch. Spatial Variations in Temperature in Compact Fluorescent fixtures. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers – Industry Application Society Conference, Houston, Texas, October.

1992 Kromer, Morse, and Siminovitch. Lighting Retrofit Study. Published in the Proceedings of the the Annual Institute of Electrical and Electronic Engineers – Industry Application Society Conference, Houston, Texas, October.

1991 Siminovitch and Kleinsmith. Convective Venting in Compact Fluorescent Fixtures. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Dearborn, Michigan, October.

1991 Siminovitch and Navvab. Experimental Development of Efficacious Task Source Relationships in Interior Lighting Applications. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Pittsburgh, PA, October 1988. Architecture and Planning Research Laboratory Report, August 1987.

1991 Packer and Siminovitch. Thermal Bridge Systems to Improve Fixture Efficiency. Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Dearborn, Michigan, October.

1991 Siminovitch, Rubinstein and Packer. Fixture Efficiency Program. Published in the Proceedings of the Association of Energy Engineers Conference, Anaheim, California, April.

1991 Siminovitch and Rubinstein. Compact Fluorescent Fixtures. Published in Strategic Planning and Energy Management Journal, Spring 1991.

1990 Rubinstein, Siminovitch and Verderber. Achieving 50% Savings with Automatic Lighting Controls. Proceedings of the Annual Institute of Electrical and Electronic Engineers-Industry Application Society Conference Seattle, Washington.

1990 Siminovitch and Rubinstein. Application of a Liquid Thermal Bridge for Improving Lamp Ballast Performance. Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Seattle, Washington, October.

1990 Siminovitch, Rubinstein and Whiteman. Thermally Efficient Compact Fluorescent Fixtures. Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference. Published in the Proceedings of the Industry Application Society - Institute of Electrical and Electronic Engineers, Seattle, Washington, October.

1990 Siminovitch, Rubinstein and Whiteman. Thermal Performance Characteristics of Compact Fluorescent Fixtures. Published in the Proceedings of the 1990 HVAC & Building Systems Congress, Seattle, Washington, October 7-12.

1990 Rubinstein, Siminovitch, Verderber. Energy Savings with Automatic Lighting Controls. Lawrence Berkeley Laboratory Report. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, San Diego, California, October.

1990 Siminovitch and Rubinstein. Development of Energy Efficient Fixtures, presented at the Annual World Energy Congress, Association of Energy Engineers. Published in the Proceeding of the Annual World Energy Congress, Atlanta, Georgia, October.

1990 Siminovitch, Rubinstein and Verderber. Thermal Performance of Compact Fluorescent Fixtures. Lawrence Berkeley Laboratory Report. Presented at the Lighting Efficiency Congress, published in the proceedings, sponsored by The Association of Energy Engineers, Santa Clara, California, 1990.

1990 Siminovitch, Rubinstein and Verderber. Energy Conservation Potential Associated with Thermally Efficient Fixtures. Strategic Planning and Energy Management Journal, Winter 1990.

1989 Siminovitch and Navvab. Experimental Development of Efficacious Task Source Relationships in Interior Lighting Applications. Presented at the Annual IEEE Industry Applications Society Conference, San Diego, CA, October 1989. Published in IEEE Transactions, June 1991.

1989 Siminovitch, Rubinstein, Verderber and Crawford. The Energy Conservation Potential Associated with Thermally Efficient Fluorescent Fixtures. Published in the Proceedings of the 12th World Energy Engineering Congress, Atlanta, GA, October.

1989 Crawford, Verderber and Siminovitch. Maintaining Optimum Lamp Performance with a Heat Pipe. Lawrence Berkeley Laboratory Report. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, San Diego, CA, October.

1988 Verderber, Rubinstein and Siminovitch. Control of Lamp Wall Temperature. Lawrence Berkeley Laboratory Report. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Pittsburgh, PA, October 1988.

1988 Siminovitch, Navvab and Foulke. Application of Luminance Contrast in the Evaluation of Industrial Task Lighting Systems. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Pittsburgh, PA, October 1988. Architecture and Planning Research Laboratory Report, August 1987.

1988 Verderber, Rubinstein and Siminovitch. Control of Wall Temperature. Proceedings of the IEEE-IAS Annual Conference, Minneapolis, MN, October.

1987 Siminovitch, Navvab and Kowalewski. A Full Scale Photometric Simulation Facility for the Evaluating the Luminous Environment in Office Work Environments. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Pittsburgh, PA, October 1988. Architecture and Planning Research Laboratory Report, August.

1987 Siminovitch and Navvab. Luminance Contrast in Work Station Applications. Published in the newsletter of Daylighting Network of North America, December 1987. Architecture and Planning Research Laboratory Report, August 1987.

1987 Siminovitch and Navvab. The Effect of Room Cavity Obstructions of the Distribution of Daylight within Office Spaces. Published in the Proceedings of the Annual Illuminating Engineering Society Conference, Scottsdale, AZ. Architecture and Planning Research Laboratory Report, August.

1987 Siminovitch, Navvab and Rubinstien. The Effects of Interior Room Cavity Obstructions on the Illuminance Distribution Characteristics in Task Station Applications. Published in the Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Atlanta, GA, October. Architecture and Planning Research Laboratory Report, August.

1987 Siminovitch, Navvab and Brandle. The Energy and Visual Quality Implications Associated with the Lighting Retrofit of Study Carrels in a University Library. Proceedings of the Annual Institute of Electrical and Electronic Engineers Industry Applications Society Conference, Atlanta, GA, October. Architecture and Planning Research Laboratory, August.

1987 Verderber, R., O. Morse, F. Rubinstein & M. Siminovitch. Measurement of Optical Efficiency of Fluorescent Luminaires. Proceedings of the Annual Illuminating Engineering Society Conference, Scottsdale, AZ, August.

1986 Siminovitch, M., F. Rubinstein, R. Verderber, & T. Clark. The Effects of Fixture Type and HVAC Integration on Fluorescent Lamps/Ballast Performance. Proceedings of the Institute of Electrical and Electronic Engineers Industrial Application Society Annual Meeting, Denver, CO, July.

1986 Siminovitch, M, F. Rubinstein, T. Clark, and R. Verderber. Maintaining Optimum Fluorescent Lamp Performance Under Elevated Temprature Conditions. Proceedings of the Annual Illuminating Engineering Society Conference, Boston, MA, August.

1986 Clark, Rubinstein, Verderber and Siminovitch. Lighting Layout Design-Visual and Energy Optimization. Proceedings of the Institute of Electrical and Electronic Engineers Industry Applications Conference. Lawrence Berkeley Laboratory Report. 1986.

1986 Siminovitch, Rubinstein and Verderber. Improving Fluorescent Lamp Performance within Artificial Coldspot Inducer. Lawrence Berkeley Laboratory Report, LBL-21004, January. Proceedings of the Annual IES Technical Conference, Boston, MA.

1986 Siminovitch, Rubinstein and Verderber. The Combined Effects of Fixture Type and HVAC Integration on Fluorescent Lamp/Ballast Performance. Proceedings of the Institute of Electrical and Electronic Engineers Industry Application Conference, Denver, CO, Lawrence Berkeley Laboratory Report, LBL-21005.

1985 Siminovitch, Rubinstein and Verderber. A Luminaire/Plenum/HVAC Simulator. Published in Institute of Electrical and Electronic Engineers Transactions. Lawrence Berkeley Laboratory Report, LBL-19168, October.

1984 Siminovitch, Rubinstein and Verderber. An Experimental Methodology for Determining the System Performance Fluorescent Lamp, Ballast, Fixture Combinations Operating under Realistic Application Conditions. Lawrence Berkeley Laboratory Report, LBL-18683, November.

1984 Siminovitch and Place. An Energy-Based Analysis on Interior Illumination Systems for Commercial Building Applications. Presented at the Global Energy Forum at the University of Regina, Canada. Lawrence Berkeley Laboratory Report, LBL-16934, May.

1984 Siminovitch and Place. The Impact of Electric Lighting Design on the Energy Performance of Office Buildings Employing Roof Apertures for Daylighting. Lawrence Berkeley Laboratory Report, LBL-16935.

1984 Siminovitch, Rubinstein and Verderber. Determining Lamp/Ballast System Performance with a Unique Integrating Thermal Chamber. Published in the Proceedings of the IES Annual Technical Conference, St. Louis, MO. Lawrence Berkeley Laboratory Report, LBL-17285, April.

1982 Siminovitch, McCulley and Bergeson. Computer Studies of Passive-Solar Design. Research Publication 82-3. Small Homes Council/Building Research Council, University of Illinois at Urbana, 1982.

1982 Siminovitch and Bergeson. Interior Temperature Control in Passive Solar Applications. Proceedings of the 5th Miami International Conference on Alternative Energy Sources, Miami, Florida.

1982 Siminovitch and Bergeson. Thermal Protection of the Solar Aperture in the Cooling Season. Proceedings of the 7th National Passive Solar Conference, Newark, Delaware. American Section of the International Solar Energy Society.

1981 McCulley, Siminovitch and Bergeson. An Approach to Energy Efficient Design on the Building Envelope. Proceedings of the International Energy Management and Facilities Improvement Show, Chicago, Illinois. Sponsored by the US Department of Energy.

1981 McCulley, Siminovitch and Bergeson. Employing a Computer Program in the Optimization of South Glazing Area in the Midwest Considering Variation in Mass, Insulation and Thermal Shutters. Proceedings of the 4th Miami International Conference on Alternative Energy Sources.

1981 McCulley, Siminovitch and Bergeson. A Correlation Study of the Thermal Performance of Passive Solar Applications. Proceedings of the 4th Miami International Conference on Alternative Energy Sources.

1981 Siminovitch and Bergeson. The Effects of Infiltration of the Thermal Performance of Passive Solar Applications. Proceedings of the 4th Miami International Conference on Alternative Energy Sources, Miami, Florida.

1981 Siminovitch and Bergeson. The Effects of Orientation on the Performance of Passive Direct Buildings in Cold, Cloudy Climates. In Proceedings of the 4th Miami International Conference on Alternative Energy Sources. Miami, Florida.

1981 Siminovitch and Bergeson. The Effects of Employing Nighttime Insulated Shutters on the Thermal Performance of Passive Solar Applications. Proceedings of the 4th Miami International Conference on Alternative Energy Sources, Miami, Florida.

1981 Siminovitch and Bergeson. Passive Cooling and Thermal Performance, an Optimization Study of Overhangs and Day Shutters. Proceedings of the 4thMiami International Conference on Alternative Energy Sources, Miami, Florida.

1981 Bergeson and Siminovitch. Thermal Performance Studies of Passive Solar Applications. Proceedings of the 6th National Passive Solar Conference, Newark, Delaware. American Section of the International Solar Energy Society.

1980 McCulley, Siminovitch and Bergeson. Optimum Window Sizing for Super-Insulated Passive in the Midwest Using BLAST, A Large Hourly Based Simulation Program. Proceedings of the 5th National Passive Solar Conference, Newark, DE. American Section of the International Solar Energy Society, 1980.

1980 Siminovitch and McFarland. A Template System for Architects to Plot Building Shadows and Solar Penetration of Plan View Drawings. Proceedings for the 5th National Passive Solar Conference, Newark, DE. American Section of the International Solar Energy Society.

1980 Siminovitch and McFarland. An Energy Efficient Commercial Green House. Proceedings of the 5th National Passive Solar Conference, Newark, Delaware. American Section of the International Solar Energy Society.

1980 Siminovitch, McFarland and McCulley. The Design and Comparative Computer Simulation Study of a Variable Thermal Barrier in a Passive Building Application. Proceedings of the 5th National Passive Solar Conference, Newark, Delaware. American section of the International Solar Energy Society.

MAGAZINE ARTICLES

Lowe and Siminovitch, Lighting Design and Application Magazine. Nov 2010
"The Chinese Connection."

Siminovitch, Enlighten Magazine. Fall 2010 "Retrofitting Our Public Building Stock as a National Priority". Wiedenbach-Brown

Siminovitch, Building Materials, Energy and Environmental Management Magazine. Spring 1998 "Ask the Doctor". Penton Publishing

Siminovitch, Industrial Lighting Energy and Environmental Management Magazine. Summer 1998 "Ask the Doctor". Penton Publishing

Siminovitch, Building materials Energy and Environmental Management Magazine. Spring 1998 "Ask the Doctor". Penton Publishing

Siminovitch, Fiber Optics Energy and Environmental Management Magazine. Winter 1997 "Ask the Doctor". Penton Publishing

Siminovitch, Lighting Quality Energy and Environmental Management Magazine. Fall 1997 "Ask the Doctor". Penton Publishing

Siminovitch, Energy Efficient Indirect Lighting Energy and Environmental Management Magazine. spring 1997 "Ask the Doctor". Penton Publishing

Siminovitch, Energy Efficient Torchiere Lighting Systems Energy and Environmental Management Magazine. Winter 1997 "Ask the Doctor". Penton Publishing

Siminovitch, Lighting Control Systems using Occupancy Sensors Energy and Environmental Management Magazine. Fall 1996 "Ask the Doctor". Penton Publishing

Siminovitch, Energy Efficient Lighting for Hotel Applications Energy and Environmental Management Magazine. Fall 1996 "Ask the Doctor". Penton Publishing

Siminovitch, Energy Efficient Lighting Approaches Energy and Environmental Management Magazine. Spring 1996 “Ask the Doctor”. Penton Publishing.

Siminovitch, Retrofit Approaches for Downlights Energy and Environmental Management Magazine. Summer 1996 “Ask the Doctor”. Penton Publishing.

Siminovitch and Evan Mills, Dedicated Fixtures for Pin-based CFL: the Future of Energy Efficient Lighting Published in Lighting Design and Application, Illuminating Engineering Society. March 1995.

Siminovitch, Compact Fluorescent-Opportunities and Considerations for Demand Side Management Energy Users News Magazine, September 1994 Lawrence Berkeley Laboratory Report.

Siminovitch and Evan Mills, Dedicated Fixtures for Pin-based CFL: the Future of Energy Efficient Lighting. Compact Newsletter, published by the California Compact.

Siminovitch and Evan Mills, Dedicated Fixtures for Pin-based CFL. Home Energy Magazine Lawrence Berkeley Laboratory, September 1994

Siminovitch, and Zhang. Energy Efficient Fixtures. Electrical Consultant Magazine, March 1994 Lawrence Berkeley Laboratory Report, Sept. 1986.

Verderber and Siminovitch. Fundamentals and Specifics of Retrofit Lighting Systems. Published in Electrical Consultant. Lawrence Berkeley Laboratory Report, August 1988.

Siminovitch and Bergeson. Replacement Windows, A Comprehensive Analysis. Building Operating Management Magazine, January 1982.

Siminovitch, Rubinstein and Verderber. Maintaining Lamp Ballast Performance Under Elevated Temperature Conditions. Published in Lighting Design Application Magazine, Illuminating Engineering Society, June 1987.

Siminovitch, Rubinstein and Verderber. Fluorescent Fixtures and Lamp/Ballast Performance. Electrical Consultant Magazine, March 1987. Lawrence Berkeley Laboratory Report, Sept. 1986.

INVITED LECTURES, SEMINARS and SPEAKING ENGAGEMENTS

- Adaptive Lighting. Co-presenter, Jin Peng, Peking University. Strategies in Light, Hong Kong, China. May 2012.
- Codes and standards, CPUC Strategic Plan, and emerging technologies. Philips Lumileds San Jose Corporate Office, San Jose, CA, August 2011.
- Codes and standards, CPUC Strategic Plan, and emerging technologies. Yaming Lighting, Board Meeting, Beijing, China. Remote video presentation, July 2011.
- Lighting for Cities and Municipalities. Annual Low Carbon Forum, Peking University, Shenzhen, China. April 2011.
- Lighting 101 and Adaptive Lighting. Company annual training. EverLast Induction Lighting, Detroit, MI, March 2011.
- Adaptive Lighting Collaboration. Big Ten Conference, Indianapolis, IN, January 2011.

- Visiting Professor, School of Environmental Science, University of Beijing, China (2009 – present)
- Advisor to the establishment of the China California Efficiency Center, Beijing, China (2009 – present)

2010

- Adaptive Lighting for Air Force Bases. Fairchild AFB, Fairchild, WA, November 2010.
- Visiting professor, King Mongkut's University of Technology Thonburi, Thailand, September 2010.
- PNW Adaptive Lighting Symposia, Seattle, WA and Portland, OR, September 2010.
- The Opportunity for Next Generation Lighting: Background, Technology, and Policy. 2010 EWC/KEEI Conference on "Global Dynamics in the Green Energy Industry: a New Engine of Growth," Hawaii Imin International Conference Center, Honolulu, HI, August 2010.
- Green Lighting China Expo and Forum 2010, Shanghai, China, April 2010.
- i4Energy, Lighting Efficiency Opportunities for California: A Laboratory to Marketplace Perspective, UC Berkeley, Berkeley, CA, February 2010. February 26, 2010.

2009

- Keynote speech. IES Los Angeles Section Meeting, Los Angeles, CA, November 2009.
- Title 24 and Lighting Codes for Designers and Architects. Pacific Energy Center, November 2009.
- Title 24 and Lighting Codes for Contractors. California Lighting Technology Center, UC Davis. Sponsored by PG&E, November 2009.
- Lighting Efficiency and New Product Directions. Illuminating Engineering Society (Mother Lode section), November 2009.
- Advanced Course of LED Lighting Technology, Topic: LED Interior Lighting Design. Shenzhen, China, August 2009.
- "The History of CFL," Roots of Energy Efficiency Forum, Energy Efficiency Center & Chevron, Sacramento, California, April 17.
- "Commissioning Photosensor-Based Lighting Controls for Daylight Harvesting." Conference on Total Building Commissioning, Chicago, Illinois, April 15-17, 2009.
- "Lighting Efficiency Today: Emerging Technologies," California Community Colleges Energy Efficiency & HVAC Symposium, March 20, 2009.
- "LEDS: Next Generation Opportunities," Strategies in Light Conference, Global LED Industry, Santa Clara, California, February 20, 2009.

2008

- "Lighting Efficiency Opportunities." Seminar sponsored by Sacramento Municipal Utilities District, December 2008.
- "Lighting Efficiency and PIER Developments." ETCC meeting, Pacific Energy Center, October 2008.
- Host, Outdoor Lighting Symposium, UC Davis, September 9-10, 2008.

- Invited Professor, “Sustainability and Lighting Efficiency Opportunities Seminar,” King Mongkut’s University of Technology, Thonburi, June 2008.
- “Lighting Efficiency Opportunities in Educational Facilities.” Western Association of College and University Housing Officers (WACUHO) Conference, Sacramento, California, March 2008.
- “Implications for Lighting Industry Research,” Lighting and Health Symposium, San Francisco, California, March 14, 2008.
- Presenter, Chinese Delegation, UC Davis Office of Research, Davis, California, February 21, 2008.
- “California Lighting Technology Center Overview.” Bay Area Council Meeting, UC Davis, February 2008.

2007

- “Exterior Lighting Opportunities – Smart Lighting.” Exterior Lighting Consortium meeting, hosted by the California Lighting Technology Center, UC Davis, October 2007.
- “Lighting Efficiency in the California Marketplace and Code-Driven Activities.” Samsung Corporate Headquarters, Korea, August 12-18, 2007.
- “Green Principles in Lighting Design,” Illuminating Engineering Society (IES), Palo Alto, California, April 25, 2007.
- “Near-term Application Opportunities for LED’s: A Laboratory to Marketplace Perspective,” Strategies in Light, San Jose, California, February 13, 2007.

2006 and prior

- Daylighting Metrics Scoping, Meeting of top daylighting professionals across the U.S.
- “New Lighting Technologies and the Development of the California Lighting Technology Center.” IES meeting, Reno, Nevada, March 2005.
- “Residential Lighting Technology Overview.” Building Industry Research Alliance meeting. Stockton, California, August 2005.
- “Lighting for Tomorrow Workshop,” Consortium for Energy Efficiency.
- Second Annual CLTC Forum – 70 participants from governmental agencies, utilities, manufacturing, research, and practitioners
- From Laboratory to Marketplace. ACEEE Emerging Technologies meeting, hosted by PG&E, October 2004.
- Lighting Efficiency, Design and Technology. SCE CTAC seminar, November 2004.
- New Lighting Technologies and Title 24. Pacific Gas and Electric customer training seminar, Stockton training facility, October 2004.
- Lighting Controls and Downlighting Technologies. Pacific Gas and Electric customer training seminar, Stockton, California training facility, October 2004.
- Lighting Efficiency in Hotel Applications. HECO Energy Conference, September 2000.
- New Products in Lighting. SMUD Energy and Technology course, August 15, 2000.
- Lighting for the Year. 2000 Hawaiian Electric Energy Conference, October 1998.
- Energy Efficient Lighting. Annual Lighting Technologies seminar, sponsored by Southern California Electric, September 1998.

- Lighting Research, Illuminating Engineering Society chapter meeting, Sacramento, California, March 1998.
- Energy Efficient Torchieres Annual Lighting technologies seminar, sponsored by Southern California Electric. August 1997
- Energy Efficient Torchieres Association of Energy Engineers. Annual Globalcon Conference, Denver, Colorado, April 1997
- Lighting Research and Development Illuminating Engineering Society chapter meeting, Sacramento, California, February 1997
- Energy Efficient Technologies Annual Lighting technologies seminar, sponsored by Southern California Electric. January 1997
- Lighting Technologies Association of Professional Energy Managers, San Diego, California chapter meeting. January 1997
- Energy Efficient Lighting Design Association of Professional Energy Managers. Annual conference, Seattle, Washington, October 1996
- Lighting Efficiency for Residential Applications, California Association of Building Energy Consultants, San Mateo, California, July 1996
- Lighting Retrofit Technologies Invited Panelist, Association of Energy Engineers. Annual Globalcon Conference, Denver, Colorado, April 1996
- Hotel Lighting Efficiency Hospitality Industry Forum for Energy Conservation, sponsored by DOE, Chicago, Illinois, March 1996.
- New Lighting Technologies. Association of Energy Engineers annual Globalcon Conference, Denver, Colorado, April 1996.
- Energy Saving Lighting Technologies. Association of Energy Engineers annual conference, Los Angeles, California section, February 1996.
- New Directions in Lighting. Association of Energy Engineers chapter meeting, Bay Area section, February 1996.
- New Lighting Technologies, Los Angeles Illuminating Engineering Chapter meeting, November 1995
- Compact Fluorescent Applications, Bi-regional Illuminating Engineering Society Conference, October 1995.
- New Lighting Technologies. Association of Professional Energy Managers annual conference, Scottsdale, Arizona, October 1995.
- New Lighting Technologies. Association of Professional Energy Managers Los Angeles, California chapter meeting, September 1995.
- Energy Conservation and Lighting. Cooper Lighting Training Seminar, September 1995.
- New Lighting Technologies. San Diego Gas and Electric Lighting Seminar, September 1995.
- Future Directions for Lighting. Southern California Edison, Energy Efficiency Conference, March 1995.
- Residential Lighting Efficiency – Illuminating Engineering Society. Sponsored by the Golden Gate chapter, April 1995.
- Lighting Efficiency – the Next Generation. Association of Professional Energy Managers, Bay Area chapter, January 1995.
- Compact Fluorescent for Residential Applications, Efficient Technology Seminar. Sponsored by Hawaiian Electric Company, October 1994.

- Lighting Efficiency Research. Southern California Energy Conference, March 1994.
- New Developments in Lighting Research. Sponsored by the Illuminating Engineering Society, Los Angeles, California, January 1994.
- Working with Industry and Technology Transfer. U.S. Department of Energy seminar, Washington D.C., August 1993.
- Fixture Efficiency Program and Technology Transfer. Workshop on Renewable Energy, sponsored by the Department of Energy, May 1993.
- Compact Fluorescent Developments. In-house seminar program, Osram Sylvania, Salem, Massachusetts, September 1993.
- Recessed Fluorescent Downlighting. Lighting Efficiency Congress. Sponsored by the Association of Energy Engineers, Anaheim, California, 1992.
- Compact Fluorescent Fixtures. Progress through Design Seminars, Electrical Engineers Seminar Series. Sponsored by San Diego Gas & Electric, 1992.
- Energy Efficiency Fixture Design. Western Consortium of Utilities Planning Seminar, 1992.
- Compact Fluorescent Design and Application. California Compact Conference, San Diego, California, October 1992.
- New Compact Fluorescent Technology. Lumatech Corporation annual meeting, July 1992.
- Technology Transfer. ACEEE Annual Conference, August 1992.
- Energy Efficient Lighting Technology. Building Technology Seminar. Sponsored by the Center for Building Science, Lawrence Berkeley Laboratory, University of California, June 1992.
- Technology Transfer and Working with Industry. Office of Technology Transfer Meeting. The Center for Building Science, Lawrence Berkeley Laboratory, University of California, May 1992.
- Energy Efficient Lighting Systems and Design Approaches. Facilities Management and Development Conference, University of Illinois, July 1992.
- Compact Fluorescent Applications. California Compact Annual Conference, Sonoma, California, October 1991.
- Technology Transfer and Working with Industry. Building Technology Seminar. Sponsored by the Center for Building Science, Lawrence Berkeley Laboratory. University of California, June 1991.
- Innovative Compact Fluorescent Fixtures. Energy Efficient Lighting and Daylighting Strategies. Sponsored by the Sacramento Municipal Utility District and the Northern Solar Energy Association, April 1991.
- Energy Efficient Compact Fluorescent Systems. 14th World Energy Engineering Congress. Sponsored by The Association of Energy Engineers, Atlanta, Georgia, October 1991.
- Compact Fluorescent Fixtures and Operation. Lighting Efficiency Congress. Sponsored by the Association of Energy Engineers, Anaheim, California, 1991.
- Compact Fluorescent Performance. Invited panelist and presenter at the Compact Fluorescent Conference sponsored by the Southern California Edison and NRDC.
- Energy Efficient Lighting Design. Energy Conservation in Buildings Workshop, Sonoma State University, California, November 1990.

- Energy Efficient Prototype Fixtures. 13th World Energy Engineering Congress. Sponsored by The Association of Energy Engineers, Atlanta, Georgia, October 1990.
- Compact Fluorescent Fixtures. Building Technology Seminar. Sponsored by The Center for Building Science, Lawrence Berkeley Laboratory, UC Berkeley, April 1990.
- Fixture Efficiency Program. Bi-Regional Conference. Sponsored by the Illuminating Engineering Society, Las Vegas, Nevada, 1990.
- Task Lighting Systems. Center for Building Performance and Diagnostics, School of Architecture. Carnegie Mellon University, March 1990.
- New Developments in Fluorescent Fixtures. Lighting Efficiency Congress. Sponsored by the Association of Energy Engineers. Santa Clara, California, 1990.
- Fixture Efficiency Research Building Technology Seminar. Sponsored by The Center for Building Science, Lawrence Berkeley Laboratory, UC Berkeley, August 1989.
- Evaluating Task Lighting Systems. Daylighting Seminar. Sponsored by The Center for Building Science, Lawrence Berkeley Laboratory, UC Berkeley, August 1989.
- Energy Conservation Potential with Thermally Efficient Fixtures. 12th World Energy Engineering Congress. Sponsored by the Association of Energy Engineers, October 1989.
- Energy Efficiency in Fixture Design. Guest speaker, National Electrical Manufacturers Association, Lighting Division annual meeting, Chicago, Illinois, June 1989.
- Lighting Design and Energy Efficiency. Sponsored by the Energy and Building Division, Construction and Engineering Research Laboratory, University of Illinois at Urbana, June 1989.
- Development of Efficacious Lighting Systems. Illuminating Engineering Society Bi-regional Conference, Lake Tahoe, Nevada, April 1989.
- Energy Efficient Task Lighting Systems. Building Energy Seminar. Sponsored by the Center for Building Science, Lawrence Berkeley Laboratory, UC Berkeley, January 1983.
- Energy Saving Window Systems. International Energy Management and Facilities Show. Sponsored by the U.S. Department of Energy, Chicago, Illinois, 1982.
- Optimum Window Sizing for Passive Solar Applications. Illinois ASHRAE Chapter, Northwestern University, January 1981.

PRESS PIECES AND NEWS LINKS HIGHLIGHTING PROFESSIONAL DEVELOPMENT

UC Davis Adds California Lighting Technology Center
http://www.news.ucdavis.edu/search/news_detail.lasso?id=7074

Research News
http://www.lbl.gov/Science-Articles/Archive/fluorescent-torchiere.html

UC Davis Bathroom Light Promises Savings and Safety
http://www.lighting.com/content.cfm?id=1298&sid=74&page=/

DOE research highlights
http://www.ornl.gov/info/news/pulse/pulse_v83_01.pdf

Science Today Interview
http://www.ucop.edu/sciencetoday/pages/archive/transcripts/2005/sci892.html

NEMA celebrates opening of Lighting Center
http://www.nema.org/media/pr/20040730a.cfm

UC Presidents report
http://www.universityofcalifornia.edu/news/pres_rpt/7_05.pdf

In the News
http://www.wattstopper.com/newsroom/news.html?id=57

Solid State Lighting
http://www.china-led.net/EnWeb/News_Detail.aspx?CodeID=1&DataId=455

New Lighting Fixture Wins Popular Science "Best of What's New " Award
http://www.lbl.gov/Science-Articles/Archive/CFL-PopSci.html

R and D magazine
http://www.labdesignnews.com/LaboratoryDesign/LD0410NewsNotes.asp

US news Technology report
http://www.allamericanpatriots.com/m-news+article+storyid-10892.html

http://www.lbl.gov/wonder/siminovitch.html

"Energy Efficient Torchieres," *Better Homes and Gardens*, April 2000

1997 Best of What's New Award, *Popular Science*, Nov. 1997

"Hot Halogen Torchieres Cool Down with Fluorescents," *The San Diego Union Tribune*, Aug., 1997

"Best New Product 1998," *Today's Home Owner*, Dec/Jan. 1998

"Lab Developed Torchiere Alternative," *Highlight*, July 1997

"A Safer Version of Halogen Torchiere," *New York Times*, June 1997

"What's New in Safety," *Popular Science*, October 1997

"Non-Halogen Torchiere Won't Overheat," *San Francisco Chronicle*, September 1997

"Housing Services to Phase Out Halogen Lamps," *The Stanford Daily*, April 1997

"Would You Light Your Home With a Burning Torch?," *Real Goods Catalog*, November 1997

"New Lights on the Horizon," *San Francisco* Chronicle, September 17, 1997

"Energy Efficient Torchieres," E-source, May 1997

"Energy Efficient Torchieres," Center for Building Science, November 1996

"Thermal Bridge Systems-Home News Front," *Popular Science*, May 1991