

**CINDY LIMAURO**  
**PROFESSOR OF LIGHTING DESIGN**

**C & C Lighting**

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**Carnegie Mellon University**

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**EDUCATION**

Florida State University, Master of Fine Arts in Lighting Design, 1978  
University of Michigan, Bachelor of Arts in Theatre and English, 1974

**TEACHING EXPERIENCE**

Professor, Carnegie Mellon University, 2001- present  
Visiting Professor, Henry van de Velde Higher Institute of Architectural Sciences,  
Antwerp, Belgium, 2005-2009  
Associate Professor, Carnegie Mellon University, 1992-2001, tenured in 1995  
Assistant Professor, Carnegie Mellon University, 1987-1992  
Assistant Professor, Ohio State University, 1983-1987

**ADMINISTRATIVE EXPERIENCE**

Prague Quadrennial, Scenofest 2011, Artistic Leader 2007-2009

Carnegie Mellon College of Fine Arts  
Co-Director for the Multi-Disciplinary Fine Arts Study in Rome, 2000-2002

Carnegie Mellon School of Drama  
Option Head: Design, 1995-2001

Carnegie Mellon School of Drama  
Option Head: Performance Technology & Management, 1995-1999

Carnegie Mellon School of Drama  
Program Director for the London Summer Theatre Collaboration Project, 1996, 1998

Carnegie Mellon College of Fine Arts  
Program Director for the Interdisciplinary Fine Arts Study in Tours, France, 1992, 1993

Head of the Lighting Design Commission  
United States Institute for Theatre Technology, 1989-1994

## **COURSES TAUGHT**

### **Theatrical Lighting Design**

Students will explore the use and control of the qualities and properties of light to direct attention, convey mood and create sense of place. These skills will be developed through performance projects and lab work to further the student's abilities to use light to help interpret the script and realize the director's vision. Verbal, written and visual communication of ideas is emphasized and practiced. Collaboration with the director and other members of the design team is developed as part of the design process.

### **Concert Lighting Design**

Students will explore lighting design in genres that use automated fixtures as their primary lighting tool and concentrate on a design for a concert touring project. The course covers how to efficiently convey intent and design ideas to a lighting programmer. Content includes attention to efficient time management of the lighting designer's work.

### **Dance Lighting Design**

Students will explore the art of dance, its historical roots and the relationship between movement, space and light. The process of dance lighting will include translating abstract ideas into visual images, exploring the properties of light in context to movement and how to communicate with the choreographer. Students from this class will go on to design lighting for the spring semester Dance Light Concert.

### **Lighting Design Skills**

Students will concentrate on developing the skills necessary for lighting designers to successfully implement their designs. The course covers both how to use an assistant and to perform successfully in assistant roles. Content includes work on communication skills, focusing and cueing skills, a brief review of plot and paperwork, and the expectations and responsibilities of the design assistant.

### **Intro to Lighting Design**

Students explore the physical properties of light in various design applications and develop a process of storytelling that involves analysis, research, exploration, questioning, problem solving and implementation of a successful design product. Students will also learn how to collaborate as a design team with the director.

### **Television Lighting Design**

This mini is to help prepare students for the Television Lighting Workshop. Prominent professional designers from the television and live broadcast industry in Los Angeles and New York come in to mentor the students through a produced television experience. Teams of student writers, directors, actors and designers collaborate on a script that is produced in the Wells Video Studio. Lighting students gain an understanding of how to light for camera and what opportunities exist for a career in this field.

### **Musical and Opera Lighting Design**

Students will continue to explore the properties of light to direct attention, convey mood and create sense of place. Students will apply their design skills to music based texts of musical theater and opera. Scale of space and complexity of cueing will be explored. Verbal, written and visual communication of ideas is emphasized and practiced.

### **Architectural Lighting Design**

Through hands on exploration of light and the technical tools used to express a design idea, students will develop a design process for lighting people and architecture. Emphasis is placed on understanding the client's needs, creating a strong design point of view and developing communication skills. As part of being globally responsible, students will focus on green design. The students' design work is realized in lighting mock-ups with community based projects in Pittsburgh.

### **Lighting Design Thesis**

This course is only open to graduate students in the MFA lighting design program. Individual students are mentored and prepared for a professional career in lighting design. Emphasis is on the Design Thesis Project and portfolio.

### **Interaction & Expression Using the Pausch Bridge Lighting**

Students form teams across disciplines to develop and implement a lighting idea for the Pausch Bridge that explores light as a visual expression of art. Students explore light as narrative, learn to translate abstract concepts into specific images of light, understand how time and motion can influence the meaning of a visual message and engage participants in an interactive experience.

## **CURRICULUM DEVELOPMENT**

Created an MFA program in Lighting Design at Carnegie Mellon University and expanded the BFA Lighting curriculum. Classes for the BFA and MFA degrees include courses that integrate practical and theoretical experience in lighting design for theatre, opera, dance, live entertainment, concerts, architecture, and television.

Created a lighting design course for the Higher Institute of Architectural Sciences Henry van de Velde in Antwerp, Belgium. This is the first lighting design course in Belgium. Class projects include the lighting of the exterior façade of the Royal Museum of Arts which was accepted by the city and installed in September 2006.

Worked with faculty in CFA to create a pilot program for international multidisciplinary study. Sites have included Barcelona in 2000 and Rome in 2001 and 2002. The curriculum focused on the study of time, space, sound, color and light within the environment and also included an introduction to the arts using the resources of the country's culture.

Worked with faculty in CFA to create a model study abroad program for interdisciplinary fine arts study in Tours, France. Curriculum combined language, culture and specific fine arts disciplines within a studio/fieldtrip/internship environment.

Created a collaborative summer theatre experience for Carnegie Mellon Drama students with the Central School of Speech and Drama in London, England.

## **PROFESSIONAL EXPERIENCE**

Pittsburgh Opera, Lighting Designer, 1982, 1984, 2005-2017  
Kinetic Theatre, Lighting Designer, 2015, 2016  
Quantum Theatre, Lighting Designer, 2015  
Pittsburgh Irish and Classical Theatre, Lighting Designer, 2004-2007, 2010, 2013-2014  
Remaking Cities Institute, Carnegie Mellon, 2011-2012, 2014-2015  
Baltimore Opera, Lighting Designer, 2011  
August Wilson Center, 2011  
Opera Theatre of Pittsburgh, Lighting Designer, 1994-2007  
Pittsburgh Ballet Theatre, Lighting Designer, 1980, 1981, 1987, 2000, 2007, 2010, 2011  
Opera Columbus, Lighting Designer, 1985, 1986, 2004-2009  
Attack Theatre, Lighting Designer, 2006  
Carnegie Museum of Natural History, Lighting Designer, 1998-2000, 2004-2005  
Dance Alloy, Lighting Designer, 1992, 2004  
Duquesne Club, Lighting Consultant, 1999-2003  
Pittsburgh Playhouse Dance, Lighting Designer, 1989-2002  
University of Northern Colorado, School of Music, Lighting Designer, 2001  
Columbus Light Opera, Lighting Designer, 1995-2000  
Carnegie Museum of Art, Lighting Designer, 1998  
Pittsburgh Public Theatre, Lighting Designer, 1994, 1997  
Teatro Dell'Orologio in Rome, Italy, Lighting Designer, 1997  
Ohio University School of Music, Lighting Designer, 1995-1997  
Canton Players Guild, Lighting Designer, 1996  
Porthouse Theatre, Lighting Designer, 1995, 1996  
City Theatre, Lighting Designer, 1991, 1994  
Ohio State University School of Music, Lighting Designer, 1984-1993  
Ohio State University Department of Theatre, Lighting Designer, 1983-1987  
Teatro Vascello in Rome, Italy, Lighting Designer, 1993  
Pittsburgh Symphony, Lighting Designer, 1989-1992  
Pittsburgh Playhouse, Lighting Designer, 1988-1992

Pittsburgh Civic Light Opera, Lighting Designer, 1987  
Cincinnati Conservatory of Music, Lighting Designer, 1987  
PPG Industries, Lighting Designer, 1986  
Columbus Symphony, Lighting Designer, 1985  
Cleveland School for the Arts, Lighting Designer, 1985  
Columbus ProMusica, Lighting Designer, 1984  
Dancentral in Columbus, Lighting Designer, 1983, 1984  
Three Rivers Shakespeare Festival, Lighting Designer, 1980, 1981  
University of Pittsburgh, Lighting Designer, 1980, 1981  
Cincinnati Ballet, Lighting Designer, 1980, 1981  
Maryland Ballet, Lighting Designer, 1980  
Chicago Ballet, Associate Lighting Designer, 1980  
Burt Reynolds Theatre in Florida, Lighting Designer, 1980  
Barter Theatre in Virginia, Lighting Designer, 1978-1979  
Mount Holyoke College, Assistant Technical Director, 1974-1976  
National Shakespeare Company in New York, Lighting Designer, 1973

## **PUBLICATIONS/DESIGN EXHIBITS**

“Born to Do This,” feature article on Cindy Limauro’s teaching of architectural lighting design and professional practice, *Mondo Arc Magazine*, April 2015

“Architecture Students See the Light,” article on Cindy Limauro’s teaching of architectural lighting workshops around the US sponsored by the Nuckolls Education Fund, *SSL Architectural Magazine*, October 2014

Lighting design for The Threepenny Opera, 10<sup>th</sup> edition of Scene Design and Stage Lighting by R. Craig Wolf and Dick Block, 2013

Remaking Cities Institute, Carnegie Mellon, 2011-2012, 2014-2015  
Provided research and design expertise as part of an advisory report to the City of Pittsburgh on changing over to LED Streetlights with a published report

Featured article on Cindy Limauro and Eric Paulos’ new course focused on students creating light shows for the Randy Pausch Memorial Bridge, “Bridge of Shows,” *Lighting and Sound America*, May 2012

Architectural lighting design for the Hall of Dinosaurs at the Carnegie Museum of Natural History, Stage Lighting Fundamentals and Applications by Richard Dunham, 2011

Featured article on Cindy Limauro and Christopher Popowich’s lighting design for the Randy Pausch Memorial Bridge, published in Lighting and Sound America, June 2010

Lighting design for The Threepenny Opera, 9<sup>th</sup> edition of Scene Design and Stage Lighting by W. Oren Parker, R. Craig Wolf and Dick Block, 2009

Article on Carnegie Mellon's Lighting Design program, published in Lighting and Sound America, September 2009

Featured article on the design partnership of Cindy Limauro and Christopher Popowich, published in Lighting and Sound America, October 2008

Prague Quadrennial, US Juried Exhibit, June 2007  
Lighting Design for *The Threepenny Opera* produced by Opera Columbus

"5 Remarkable Women in Theatre," Stage Directions Magazine, March 2006  
Feature article on Cindy Limauro's professional accomplishments.

World Stage Design Exhibit, Toronto, March 2005  
Lighting design for *A Woman of No Importance* produced by Pittsburgh Irish and Classical Theatre was included in this international design exhibit sponsored by OISTAT (Organisation Internationale des Scenogafes, Techniciens et Architectes de Theatre)

Prague Quadrennial Lighting Design Exhibit, June 2003  
This was the first time lighting was included as a live exhibit. Carnegie Mellon School of Drama was one of five schools in the world to be invited to create the exhibit. My participation was faculty advisor working with student designers.

"Lights Up at the Prague Quadrennial" published in Lighting Dimensions, September 2003

"Kiss of the Spider Woman, the all-automated rig" published in Lighting Dimensions, April 2003

Interview on teaching published in Entertainment Design, March 2003

Interview and profile on Carnegie Mellon's lighting design program, Stage Directions, November 2002

Lighting design for The Student Prince, 8<sup>th</sup> edition of Scene Design and Stage Lighting by W. Oren Parker, R. Craig Wolf and Dick Block, 2002

Feature article profiling professional and academic lighting career published by Lighting Dimensions magazine, January 2001

Lighting Design for Nicholas Nickleby published in the 3<sup>rd</sup> edition of Lighting the Stage by Willard F. Bellman, 2000

Reviewer for A Practical Guide to Stage Lighting by Steven Louis Shelley, 1998

Reviewer for Lighting and the Design Idea by Linda Essig, 1997

Contributing author of a collection of essays on mentoring published by Carnegie Mellon University's Eberly Center for Teaching Excellence, 1993

The Magic Flute, Juried Design Exhibit for the United States Institute for Theatre Technology, toured the United States 1990-1991

Contributing author of Practical Projects for Teaching Lighting Design published by USITT, 1990

1990 Prague Quadrennial, Lighting Design views on videotape as part of the student exhibit from Finland

1988 Prague Quadrennial, Lighting Design for Auntie Mame shown on videotape as part of the American design entry which won first place

Lighting Design for The Rape of Lucretia published in the 6<sup>th</sup> edition of Scene Design and Stage Lighting by W. Oren Parker and R. Craig Wolf, 1990

Article "Lighting Fundamentals: How to set a repertory light plot," Dramatics magazine, April 1987

Light Plot for The Rivals published in Lighting Dimensions, Nov/Dec 1984

## **PANELS/PRESENTATIONS**

Reviewer of Student Designs, Hemsley Portfolio Reviews in New York City, 2017

Reviewer of Student Design Portfolios, LDI conference, Las Vegas, 2016

Architectural Lighting Design Workshops, sponsored by the Nuckolls Education Fund to further lighting education in Architecture Schools, 2013-2014, 2014-2015, 2015-2016

Power of Design 2016 "Sustaining a Bright Future: The Beauty of LEDs"  
Appalachian State University, October 2016

"Light and Architecture," IES National Conference in Pittsburgh, November 2014

International Design Symposium in Hangzhou, China, April 2011  
"Theatrical Influences to Architectural Lighting"

"Lighting Famous Landmarks in Prague," Prague Quadrennial, June 2007

“Pushing Back the Darkness, Avenues of Light and Color,” Antwerp Design Seminars & Lectures, Higher Institute of Architectural Sciences Henry van de Velde, Antwerp, Belgium, January 2007

“Shadow Takes a Walk, A Journey of Time through Light,” Antwerp Design Seminars & Lectures, Higher Institute of Architectural Sciences Henry van de Velde, Antwerp, Belgium, January 2006

“Creating Emotional Response through Lighting,” Antwerp Design Seminars & Lectures, Higher Institute of Architectural Sciences Henry van de Velde, Antwerp, Belgium, January 2005

“The Magic of Light on Fabric,” LDI in Orlando, November 2003

“Theatrical Architectural Lighting Design,” Prague Quadrennial, June 2003

“The E-Factor, Creating Emotional Response through Light,” Lightfair International, New York City, May 2003

“Architecture as Theatre,” Architectural Lighting Master Classes in New York City, February 2003

UNITED STATES INSTITUTE FOR THEATRE TECHNOLOGY (USITT)  
NATIONAL CONFERENCE PANELS:

“Mentoring the Young Lighting Designer,” Toronto, March 2005

“Color and Light” New Orleans, February 2002, Joe Tawil, Chair

This panel discussed collaboration between directors and lighting designers in developing a color palette. Participants included Beverly Emmons, Cindy Limauro and Stephen Rothman.

“Skills Building: Early Director Communication” Toronto, March 1999

This session focused on my techniques for early communication with directors and choreographers. Discussion included tools of communication, how to develop a common visual language, building trust and mutual respect and identifying key check-points in the process. A director and a choreographer then presented their approach.

Reviewer of Student Design Portfolios, USITT, 1996-1999

As part of my commitment to mentoring students I critiqued portfolios of students across the country in an effort to better prepare them professionally.

“Light Lab: A Critique of Student Lighting for The Tempest” with Cindy Limauro and Tony Award designers Neil Peter Jampolis and Chris Parry, Long Beach, March 1998



Several students from across the country had the opportunity to present their design work live and receive critiques from three of the finest educational and professional lighting designers.

“Imero Fiorentino: Distinguished Designer Series,” Cindy Limauro, Chair, Pittsburgh, March 1997

I established this ongoing series for USITT’s annual conference as a way of providing an in-depth look into the lifetime careers of distinguished lighting designers for educators, students, and other professionals. Participants have included Tom Skelton, Jennifer Tipton, Abe Feder, Ken Billington and Jules Fisher.

“Light Lab: A Critique of Student Lighting for Dance” with Cindy Limauro, Chris Parry and Ann Archbold, Fort Worth, March 1996

Several students from across the country had the opportunity to present their design work live and receive critiques from three major professional lighting designers.

“Jules Fisher: Distinguished Designer Series,” Cindy Limauro, Chair, Las Vegas, March 1995

“Design Theory and Aesthetics” Las Vegas, March 1995

I presented my philosophical design approach and discussed changes of style as it applied to lighting theatre, dance and opera.

Reviewer for the Young Designer’s Forum, Nashville, April 1994

This was a design exhibition in which I participated as a reviewer of student work.

“Designing with Automated Fixtures” with Jim Moody, Cindy Limauro, Chair, Nashville, April 1994

This was an all day hands-on practical seminar learning to design and program VL 4’s, a new state of the art automated lighting fixture by Vari-lite. Demonstrations also included use with computer lighting consoles by Colortran, ETC and Strand. Discussion involved the history, technical vocabulary, programming capabilities and design innovations.

“Abe Feder: Distinguished Designers Series,” Cindy Limauro, Chair, Wichita, March 1993

Special Exhibit “Finnish Lighting Installation: Shadow Takes a Walk,” Cindy Limauro, Chair, Wichita, March 1993

“Opera Design” with Gil Wechsler, Neil Peter Jampolis, Dawn Chiang, Cindy Limauro, Chair, Seattle, March 1992

This session presented an in-depth look at modern opera design featuring the Metropolitan Opera, New York City Opera, Washington D.C. Opera and the Seattle

Opera. Discussion centered on repertory companies vs. non repertory companies and the impact this has on lighting design.

“Dance Lighting” with Tony Award designer Jennifer Tipton, Cindy Limauro, Chair, USITT, Boston, February 1991

This was a practical demonstration of a dance lighting rep plot and the actual design process of lighting a new piece performed by a contemporary company of dancers. Discussions included technique, philosophy and collaboration with the choreographer.

“Video Lighting” with Jim Moody, Cindy Limauro, Chair, Milwaukee, April 1990

An all day hands-on practical seminar that included discussion of video equipment and the different types of cameras used, techniques of video lighting, use of color media and adapting theatrical lighting for video.

“Practical Teaching Demonstration of Light Lab Exercises” Calgary, Canada, April 1989

Two designers and myself demonstrated our approach to the teaching of lighting design. Using a light lab equipped with a repertory light plot and a group of students, each designer taught a mini class using a particular design exercise. The audience was able to observe the critique process of student work followed by a discussion of the learning process.

“Memory Lighting Boards: A dialogue between designers and electricians,” Anaheim, March 1988

This panel demonstrated the language differences between several memory lighting boards in an attempt to develop a common language for use between designers and electricians with any type of computerized control console. Two lighting designers including myself prepared a sequence of cues to be programmed by electricians into four separate light boards with an overhead video projection of each for the audience. This panel also provided input to theatre manufacturers about future console designs based on the ideas of lighting designers and electricians who use the equipment.

“Movement in Light: Design Applications for Automated Fixtures in Today’s Theatre,” USITT Ohio Conference in Cleveland, October 1987

I participated in a demonstration of automated spotlight systems and a discussion of the use of these systems by professional lighting designers and their future impact on the art of stage lighting.

“Freelancing for Designers and Technicians,” USITT Ohio Conference, April 1986

This panel was an investigation into the problems and logistics of freelancing in design and technology. I primarily focused on the problems of freelancing in both amateur and professional fields.

“The Training of Lighting Designers,” USITT Ohio Conference, October 1985

Along with other educators I discussed the teaching of basic lighting design from conceptualization, style, sensitivity, to training for the union exam. Panelists shared their

styles of presentation, class exercises and methodology. Syllabi, projects and material handouts were provided.

“Technical Production and Lighting for Touring Shows,” USITT, Ohio Conference October 1984

This panel addressed the problems and advance planning necessary for touring productions. Panelists including myself shared our experiences and solutions from the viewpoint of the lighting designer, stage manager and technical director.

#### HELSINKI INSTITUTE OF THEATRE:

Guest Lectures on Lighting Design, May 1991

The Theatre Academy of Finland invited me to be a guest lecturer at an international seminar they were hosting. The topics I addressed were: use of automated lighting fixtures and advanced technology and its impact on the artistry of design; correlation between a theatre space and the type of theatre (drama, dance, opera) from a lighting design viewpoint; the crossover between theatrical lighting design and architectural and industrial lighting design; and educating lighting designers for the future.

#### AMERICAN THEATRE ASSOCIATION NATIONAL CONFERENCE:

“Find the Light: Integration of Lighting Design into Actor Training Programs,” Toronto, August 1985

The team teaching concept which this panel addressed began as an experiment in my classes to give lighting students practical experience while forcing the acting student to improvise their material to make maximum use of the stage space.

The first project used the presentation of a “four-points” movement exercise and a Brecht monologue in separate events. The actors were asked to deliver the monologue while finding the light on stage as it changed spontaneously. Conversely, the designer was asked to develop a spontaneous design for actor work they had never seen before while the “four-point” movement position was performed. The value gained by the actor extended the actor’s ability to find motivation and levels in the work. The designer extended theoretical principles to practical application and both the designer and actor gained a greater respect for each other’s ability to influence the other’s work. The dialogue that resulted bridged a gap commonly felt between performance and design artists.

The idea of performance/design team teaching has extended into the directing classes and experimental acting classes involving mood/emotion exploration. The team is exploring the possibility of a curriculum that integrates all creative projects in performance and lighting design, thus, leading to an educational environment that stresses practical application from a theoretical base as opposed to classroom work remaining exclusively at the level of theory. None of the work becomes necessarily “product”—it is rather, the

experimental application of ideas arriving out of a classroom. This team approach has created a dynamic environment for learning and educating and allows for the extension of both performance and design into respect for the total theatrical ensemble.

## **THEATRE LIGHTING DESIGN**

*Three Days in the Country*, Kinetic Theatre, November 2016  
*The Dance of Death*, Kinetic Theatre, April 2015  
*All the Names*, Quantum Theatre, April 2015  
*Observe the Sons of Ulster Marching towards the Somme*, PICT, September 2014  
*Waiting for Godot*, PICT, May 2014  
*Crucifer of Blood*, Pittsburgh Irish & Classical Theatre, December 2013  
*August in August*, August Wilson Pittsburgh Cycle Plays, August Wilson Center, August 2011  
*Garden*, Pittsburgh Irish & Classical Theatre, June 2011  
*Antony and Cleopatra*, Pittsburgh Irish & Classical Theatre, May 2011  
*Congo Square*, Pittsburgh Playwright's Theatre, February 2011  
*Beautiful Dreamers*, **world premiere**, Pittsburgh Irish & Classical Theatre, April 2010  
*Pride and Prejudice*, Pittsburgh Irish & Classical Theatre, December 2007  
*The Shaughraun*, Pittsburgh Irish & Classical Theatre, December 2006  
*School for Scandal*, Pittsburgh Irish & Classical Theatre, June 2006  
*Henry* by Thomas Kilroy, **world premiere**, Pittsburgh Irish & Classical Theatre, Aug 2005  
*Heartbreak House*, Pittsburgh Irish & Classical Theatre, June 2005  
*Henry IV*, Pittsburgh Irish & Classical Theatre, April 2005  
*The Dead*, Pittsburgh Irish & Classical Theatre, December 2004  
*Travesties*, Pittsburgh Irish & Classical Theatre, July 2004  
*A Woman of No Importance*, Pittsburgh Irish & Classical Theatre, April 2004  
*Lion in Winter*, Unseam'd Shakespeare, January 2002  
Moving Light Shows, Carnegie Museum of Natural History Hall of Dinosaurs  
June 2000, July 1999, January 1999, November 1998  
*Nonsense*, Teatro Dell'Orologio in Rome, Italy, March 1997  
*Nixon's Nixon*, Pittsburgh Public Theatre, February 1997  
*Moby Dick*, **world premiere**, Canton Players Guild, September 1996  
*The Elephant Man*, Porthouse Theatre, July 1996  
*Driving Miss Daisy*, Porthouse Theatre, June 1996  
*Edith Stein*, Upstairs Theatre, April 1996  
*I'm Not Rappaport*, Porthouse Theatre, July 1995  
*Nite Club Confidential*, Porthouse Theatre, June 1995  
*Loot*, City Theatre, October 1994  
*Arms and the Man*, Pittsburgh Public Theatre, April 1994  
*Dracula, il Musical*, **world premiere**, Teatro Vascello in Rome, Italy  
Toured throughout Italy and Costa Rica, January 1993  
*Nicholas Nickleby*, Carnegie Mellon School of Drama, November 1992

Concert of the Future, Pittsburgh Symphony, February 1992  
*Bricklayers*, **world premiere**, City Theatre, November 1991  
*Me and My Girl*, Pittsburgh Playhouse, October 1991  
*Aladdin*, Pittsburgh Playhouse, May 1991  
*Leader of the Pack*, Pittsburgh Playhouse, April 1991  
 Concert of the Future, Pittsburgh Symphony, March 1991  
*Steel Magnolias*, Pittsburgh Playhouse, January 1991  
*La Cage aux Folles*, Pittsburgh Playhouse, October 1990  
*Merlin and Arthur*, Pittsburgh Playhouse, October 1990  
*Gershwin*, Pittsburgh Symphony, August 1990  
*Treasure Island*, Pittsburgh Playhouse, May 1990  
*The Magic Flute*, Pittsburgh Symphony, April 1990  
*Dreamgirls*, Pittsburgh Playhouse, April 1990  
*Becoming Memories*, Pittsburgh Playhouse, April 1990  
*A Walk in the Woods*, Pittsburgh Playhouse, January 1990  
*Waiting for Godot*, Pittsburgh Playhouse, October 1989  
*Tchaikovsky in Love, A Midsummer Night's Dream*, Pittsburgh Symphony  
 August 1989  
*As You Like It*, Carnegie Mellon School of Drama, September 1989  
*The Hostage*, Pittsburgh Playhouse, March 1989  
*Wind in the Willows*, Pittsburgh Playhouse, January 1989  
*The Day Room*, Pittsburgh Playhouse, October 1988  
*Purely Pittsburgh*, Grand Opening of the Benedum Center, Civic Light Opera  
 September 1987  
 American College Theatre Festival, Repertory Plot, December 1986  
*Auntie Mame*, Ohio State University, October 1986  
*1776*, Columbus Lawyers Association, July 1986  
*Bogart*, Hannah Theatre in Cleveland, May 1986  
*Kismet*, Ohio State University, February 1986  
 American College Theatre Festival, Repertory Plot, December 1985  
*Grant at Mt. McGregor*, **world premiere**, Ohio State University, November 1985  
*The Butterfly that Stamped*, Cleveland School of the Arts, April 1985  
*The Revenger's Tragedy*, Ohio State University, February 1985  
*Death of a Salesman*, Ohio State University, November 1984  
*Babes in Arms*, Allegheny Community College, August 1984  
*My Fair Lady*, Ohio State University, May 1984  
*L'histoire du Soldat*, Pro Musica in Columbus, April 1984  
*Traveling Connections*, **world premiere**, Ohio State University, January 1984  
*The Rivals*, Ohio State University, November 1983  
*Pirates of Penzance*, Pittsburgh Savoyards, May 1983  
*A Bad Year for Tomatoes*, Allegheny Community College, April 1983  
*Once Upon a Mattress*, Allegheny Community College, March 1983  
*You're a Good Man, Charlie Brown*, Allegheny Community College, December 1982  
*Working*, Allegheny Community College, October 1982  
*As You Like It*, Three Rivers Shakespeare Festival, August 1981  
*A Winter's Tale*, Three Rivers Shakespeare Festival, July 1981

*Comedy of Errors*, Three Rivers Shakespeare Festival, June 1981  
*Otherwise Engaged*, University of Pittsburgh, May 1981  
*Company*, University of Pittsburgh, May 1981  
*Beauty and the Beast*, University of Pittsburgh, November 1980  
*Hedda Gabler*, University of Pittsburgh, October 1980  
*Romeo and Juliet*, Three Rivers Shakespeare Festival, July 1980  
*Mister Roberts*, **directed by Joshua Logan and starring Martin Sheen**,  
 Burt Reynolds Jupiter Theatre, February 1980  
*The Shadow Box*, Tallahassee Little Theatre, January 1980  
*Absurd Person Singular*, Barter Theatre, August 1979  
*Dames at Sea*, Barter Theatre, August 1979  
*Private Ear, Public Eye*, Barter Theatre, August 1979  
*The Fantastiks*, Barter Theatre, July 1979  
*Luv*, Barter Theatre, June 1979  
*Misalliance*, Barter Theatre, June 1979  
*Same Time Next Year*, Barter Theatre, June 1979  
*A Doll House*, Barter Theatre, June 1979  
*Side by Side by Sondheim*, Barter Theatre, June 1979  
*Moony's Kid Don't Cry; Last of the Crushed Petunias; This Property is Condemned;*  
*The Proposal*, Barter Theatre, April 1979  
*I Do! I Do!* Barter Theatre, April 1979  
*Vanities*, Barter Theatre, August 1978  
*House of Bernarda Alba*, Florida State University, October 1977  
*Follies of Scapin*, Florida State University, October 1977  
*Antigone*, Florida State University, July 1977  
*Suddenly Last Summer*, Florida State University, June 1977  
*Who's Afraid of Virginia Woolf*, Florida State University, March 1977  
*Glass Menagerie*, Mount Holyoke College, April 1976  
*Our Town*, Mount Holyoke College, December 1975  
*Ivona, Princess of Burgundia*, Mount Holyoke College, December 1974

## **DANCE LIGHTING DESIGN**

*Prodigal Son, Sylvia Pas de Deux, Agon*, Pittsburgh Ballet Theatre, April 2011  
*Company B, Ave Maria and Don Q Pas de Deux, In the Upper Room*  
 Pittsburgh Ballet Theatre, February 2010  
 Balanchine Festival, *Theme and Variations, Allegro Brillante, Who Cares?*  
 Pittsburgh Ballet Theatre, April 2007  
*The Kitchen Sink*, Attack Theatre, November 2006  
*Open Seating, 4321*, Dance Alloy, December 2004  
*Dancing to Music, Damage*, Dance Alloy, April 2004  
**Premieres Dance Concert: Mark It with a B** by Mark Santillano  
*Simple Symphony* by Leslie Pessemer, *Step Out of Love* by  
 Margo Sappington, *Corridors* by Doug Bentz, 2002  
*Jazz Nutcracker*, Pittsburgh Playhouse Dance, December 2000, 2002

*Jewels*, Pittsburgh Ballet Theatre, March 2000  
 Dance Concert, Pittsburgh Playhouse Dance, December 1999  
*Twelve Dancing Princesses*, **world premiere**, Pittsburgh Playhouse Dance,  
 November 1999  
*Cinderella*, Pittsburgh Playhouse Dance, November 1998  
 Dance Concert, Pittsburgh Playhouse Dance, April 1998  
*Sleeping Beauty*, Pittsburgh Playhouse Dance, February 1998  
*Cinderella*, Pittsburgh Playhouse Dance, November 1997  
*Crossings*, **world premiere**, Dance Alloy, May 1992  
 Modern Dance Concerts, Pittsburgh Playhouse Dance, 1989-1992  
 Modern Dance Concert, Dance Alloy, January 1992  
*Jazz Nutcracker*, Pittsburgh Playhouse Dance, December 1987  
*The Nutcracker*, Pittsburgh Ballet Theatre, December 1987  
*The Nutcracker* tour, November 1987  
*Coursings*, **world premiere**, *Serenade*, *Tabula Rasa*, Pittsburgh Ballet Theatre  
 October 1987  
 Modern Dance Concert, Dancentral in Columbus, April 1984  
 Modern Dance Concert, Dancentral in Columbus, December 1983  
*Daphnis and Chloe*, **world premiere**, Pittsburgh Ballet Theatre, November 1981  
*Rodeo*, *Merry Widow*, Pittsburgh Ballet Theatre, October 1981  
*Paquita*, *Giselle*, Pittsburgh Ballet Theatre, March 1981  
*Romeo and Juliet*, *Les Sylphides*, Pittsburgh Ballet Theatre, March 1981  
*Coppelia*, Cincinnati Ballet Company, February 1981  
*Con Amore*, *Swan Lake* (Act II), *With Timbrel and Dance Praise His Name*,  
 Co-Lighting Designer, Cincinnati Ballet Company, October 1980  
*Equus*, **world premiere**, Associate Lighting Designer, Maryland Ballet, March 1980  
*Tribute*, *Concerto Pas de Deux*, *Pas de Dix*, *The Three Preludes*, Co-Lighting Designer,  
 Maryland Ballet, March 1980  
 Modern Dance Concert, Florida State University, November 1979  
 Modern Dance Concert, Florida State University, January 1979

## **OPERA LIGHTING DESIGN**

*Marriage of Figaro*, Pittsburgh Opera, November 2017  
*The Rake's Progress*, Pittsburgh Opera, April 2016  
*Così fan Tutti*, Pittsburgh Opera, November 2015  
*Daughter of the Regiment*, Pittsburgh Opera, May 2015  
*Grand and Glorious*, opera excerpts, Pittsburgh Opera, October 2014  
*Aida*, Pittsburgh Opera, October 2013  
*Madama Butterfly*, Pittsburgh Opera, March 2013  
*La Traviata*, Baltimore Lyric Opera, November 2011  
*La Traviata*, Pittsburgh Opera, October 2011  
 Jackie Evencho Concert, sponsored by Pittsburgh Opera, October 2011  
*Lucia di Lammermoor*, Pittsburgh Opera, November 2010  
*Falstaff*, Pittsburgh Opera, November 2009

*La Boheme*, Pittsburgh Opera, March 2009  
*Turandot*, Opera Columbus, February 2009  
*Samson and Dalila*, Pittsburgh Opera, October 2008  
*Aida*, Pittsburgh Opera, March 2008  
*La Boheme*, Opera Columbus, September 2007  
*The Magic Flute*, Pittsburgh Opera, March 2007  
*Tosca*, Pittsburgh Opera, April 2006  
*The Threepenny Opera*, Opera Columbus, January 2006  
*Fidelio*, Pittsburgh Opera, May 2005  
*The Student Prince*, Opera Columbus, July 2004  
*Just Above My Head*, **world premiere**, Opera Theatre of Pittsburgh, June 2004  
*Iolanthe*, Opera Columbus, June 2004  
Arts Convention Opening, Opera America, June 2004  
*Summer and Smoke*, Opera Theatre of Pittsburgh, Fall 2003  
*Gianni Schicchi and I Pagliacci*, University of Northern Colorado, April 2001  
*Song Play*, Opera Theatre of Pittsburgh, April 2000  
*Candide*, Opera Theatre of Pittsburgh, April 1999  
*The Student Prince*, Columbus Light Opera, October 1998  
*Susannah*, Opera Theatre of Pittsburgh, March 1998  
*Rose-Marie*, Columbus Light Opera, July 1997  
*Ballad of Baby Doe*, Opera Theatre of Pittsburgh, May 1997  
*Così fan Tutti*, Ohio University, January 1997  
*The Bartered Bride*, Opera Theatre of Pittsburgh, March 1996  
*The Merry Widow*, Ohio University, January 1996  
*Naughty Marietta*, Columbus Light Opera, July 1995  
*Cinderella*, Opera Theatre of Pittsburgh, May 1995  
*The Magic Flute*, Ohio University, February 1995  
*Don Giovanni*, Opera Theatre of Pittsburgh, April 1994  
*Julius Caesar*, Opera Theatre of Pittsburgh, March 1994  
*HMS Pinafore*, Ohio University, February 1994  
*Die Fledermaus*, Ohio State University, May 1993  
*Falstaff*, Ohio State University, May 1992  
*Carmen*, Ohio State University, May 1989  
*The Magic Flute*, Cincinnati Conservatory of Music, May 1987  
*The Rape of Lucretia*, Cincinnati Conservatory of Music, February 1987  
*Elixir of Love*, Opera Columbus, November 1986  
*The Three Sisters*, **world premiere**, Opera Columbus, March 1986  
*The Barber of Seville*, Opera Columbus, October 1985  
*Dialogues of the Carmelites*, Ohio State University, May 1985  
*Parsifal*, Columbus Symphony Orchestra, April 1985  
*Turandot*, Columbus Symphony Orchestra, March 1985  
*Carmen*, Pittsburgh Opera, January 1984  
*Lucia di Lammermoor*, Pittsburgh Opera, March 1982  
*Figaro, La Traviata, The Medium, Carmen*, Florida State University, April 1978  
*A Night of Opera*, National Shakespeare Company, New York, August 1973



## **ARCHITECTURAL LIGHTING DESIGN**

Highmark Fifth Avenue Place, C & C Lighting Co-design with Christopher Popowich, 2016

Gulf Tower, Pittsburgh, C & C Lighting Co-design with Christopher Popowich, 2012

Hunt Library, Carnegie Mellon University, C & C Lighting Co-design with Christopher Popowich, 2010 **Award winning design**

Pausch Memorial Bridge, Carnegie Mellon University, C & C Lighting Co-design with Christopher Popowich, 2009 **Award winning design**

Carnegie Science Center, Miniature Railroad Exhibit, Lighting Renovation, C & C Lighting Co-design with Christopher Popowich, 2008

Tepper Business School Long Distance Learning Studios, Carnegie Mellon University, C & C Lighting Co-design with Christopher Popowich, 2007

St. Bede Church in Pittsburgh, Lighting Renovation, C & C Lighting Co-design with Christopher Popowich, 2007

Duquesne Club Art Collection, Pittsburgh, C & C Lighting Co-design with Christopher Popowich, 1999-2003

The Hall of Dinosaurs, Carnegie Museum of Natural History, C & C Lighting Co-design with Christopher Popowich, 1998 **Award winning design**

The Chariot of Aurora, Carnegie Museum of Art, C & C Lighting Co-design with Christopher Popowich, 1998 **Award winning design**

## **CORPORATE LIGHTING DESIGN AND SPECIAL EVENTS**

25th Anniversary of the Heinz Foundation, honoring Teresa Heinz at the Heinz History Center, November 2016

Pittsburgh Cultural Trust Fundraising Gala at the Benedum Center featuring **Betty Buckley**, September 1999

Museum of Art Fundraising Gala, November 1998

*Spectrum 1990*, PPG Industries, Pittsburgh, November 1986

*Vision 2000*, PPG Industries, Associate Lighting Designer, Cleveland, June 1986

## **THEATRE LIGHTING CONSULTING**

Kresge Theatre, Carnegie Mellon University, 1994, 2007

Mount Lebanon High School TV Studio, Pittsburgh, 2003

Carnegie Library Theatre in Homestead, PA, 1993-1994

Ellis School, Pittsburgh, 1990

Alumni Concert Hall, Carnegie Mellon University, 1987-1989

Ohio State University, Thurber Theatre and Stadium Theatre, 1985-1987

## **AWARDS**

Nuckolls Fund Grant, \$20,000 to teach Architectural Lighting Design workshops to further lighting education in Architecture schools, 2013-2014, 2014-2015, 2015-2016

### **The Hunt Library**

#### **2012 Outstanding Lighting Award for Best Exterior Lighting Design**

The Electric League of Pittsburgh and IES (Illuminating Engineering Society)

Intel Grant, \$25,000 to support a new course entitled “Interaction & Expression Using the Pausch Bridge Lighting,” 2011

### **The Randy Pausch Memorial Bridge**

#### **2010 Outstanding Lighting Award for Excellence in Lighting** from

The Electric League of Pittsburgh and IES (Illuminating Engineering Society)

**Henry van de Velde Award for Architectural Education** from the Higher Institute of Architectural Sciences at University College, Antwerp, Belgium, January 2007

**Carnegie Mellon Faculty Service Award** for extraordinary commitment to education, October 2006

### **USITT FELLOW** (United States Institute for Theatre Technology), March 2000

Fellow of the Institute is the honorary designation bestowed for life upon those members who have made a truly outstanding contribution to the theatre and the work of the Institute.

Faculty Development Grant, Carnegie Mellon University, Award of \$1600 to fund travel to the Prague Quadrennial to present a design talk and showcase a lighting design exhibit, 2003

Multidisciplinary Development Grant, Carnegie Mellon University, Award of \$12,610 to develop a summer pilot program in Barcelona with faculty from Art, Architecture, Design, and Music, 2000

**Design Award for Outstanding Achievement in Lighting Design from the Illuminating Engineering Society of North America and an Award of Merit in the International Design Awards for The Hall of Dinosaurs, Carnegie Museum of Natural History, 1999**

**Design Award for Outstanding Achievement in Lighting Design from the Illuminating Engineering Society of North America and an Award of Merit in the International Design Awards for The Chariot of Aurora, Carnegie Museum of Art, 1999**

Academic Specialist Grant, awarded from the United States Information Agency to participate in the Finnish Theatre Academy International Seminar and to assist in developing the curriculum for the newly created department of light and sound at the Theatre Academy, 1991

Illuminating Engineering Society, Award of \$3,000 to attend professional workshop on architectural lighting design

University Development Grant, Carnegie Mellon University, Award of \$4,000 to do research on Lighting Designers of American Dance at Lincoln Center Library, 1988

University Seed Grant, Ohio State University, Award of \$10,000 to interview major Lighting Designers of American Dance, 1986

University Small Research Grant, Ohio State University, Award of \$858 for travel to New York, 1985

## **PROFESSIONAL AFFILIATIONS**

United Scenic Artists, Member in Lighting Design, Local 829 New York  
Membership is by rigorous examination.

IALD (International Association of Lighting Designers)  
Members must meet strict criteria.

OISTAT Education Commission, US Representative on this international commission which is also responsible for planning Scenofest at the Prague Quadrennial 2005-2010

Illuminating Engineering Society of North America

Elected to the Board of Directors, United States Institute for Theatre Technology (USITT), 1996-2002

Lighting Design Commission Liaison to the International Committee, USITT, 1994-1996

Head of the Lighting Design Commission, National level, USITT, 1989-1994

Vice Commissioner, National level, USITT, 1987-1989

Lighting Commissioner, Ohio Section of USITT, 1985-1987

### **PROFESSIONAL SERVICE**

Live Design Magazine, Advisory Committee, 2005-present

Lighting Dimensions International (LDI), Educational Advisory Committee, 2003-2004

#### **Expert external reviewer on promotion and tenure cases for the following universities:**

University of Washington

Purdue University

University of California, Irvine

Parsons School of Design

Dartmouth

University of Cincinnati

University of Massachusetts

University of Colorado

Iowa State University

Bowling Green State University

University of Wisconsin

University of North Texas

University of South Carolina

East Carolina State University

University of Wyoming

SUNY Stonybrook,

Vanderbilt University

Southern Methodist University

Ohio University

University of Southern California

University of Minnesota

Served as a textbook proposal reviewer for Routledge Publishers, 2017

Served as a textbook reviewer for Harper Collins Publishers, 1992

## **UNIVERSITY SERVICE**

College of Fine Arts, Dean Review Committee, 2017

ETC School Review Committee, 2014, 2016

Co-Chair, President Subra Suresh's Strategic Planning Committee on Innovation and Entrepreneurship, 2014-2015

Chair, School of Drama Head Review Committee, 2013

College of Fine Arts, Dean Review Committee, 2009

University Promotion and Tenure Committee, 2007-2009

School of Drama Head Search Committee, 2008-2009

University Diversity Advisory Council (DAC), 2002-2004

Part of a committee that prepared a report to the President on the state of diversity at Carnegie Mellon University and included recommendations for action items to improve diversity within the community

University Education Council (UEC), 1996-1999

Part of a committee that prepared a strategic plan for the University to broaden undergraduate education. Worked on the subcommittee for multidisciplinary education as defined by the University's mission statement and helped to create an RPF document for faculty to submit proposed courses for funding. Also reviewed proposals submitted by faculty and made recommendations for funding of proposals to Indira Nair.

Chair, School of Drama Head Review Committee, 1999

College of Fine Arts Council, 1998-2000

College Review Committee, 1998-2000

School of Drama Review Committee, 1995-present

Faculty Review Committee, 1996-1998

Served on MFA Thesis Committees in the School of Art, 1999-2000, 1997-1998

Wats: On Festival Committee, 1997

The Role Models Program workshops, April 1998, October 1998

Take Our Daughters to Work presentations, 1995-1997

Studio for Creative Inquiry Advisory Committee, 1994-1998

Elected to the Senate Executive Committee, 1994-1996

Elected School of Drama Senator, 1994-1996

Study Abroad Advisory Board, 1992-present

Department Head Review Committee, 1994

College of Fine Arts Dean Search Committee, 1992-1993

University Task Force to evaluate the Teaching Center, 1992-1993

Vira Heinz Award Committee, 1993

New Faculty Orientation, panelist, 1988-1994

CMU Women's Conference, 1992, 1993

Chair, College of Fine Arts Committee, 1991-1992

Vice Chair, College of Fine Arts Committee, 1990-1991

Freshmen Orientation Leader, 1988

Service in the area of lighting to the Schools of Music, Art, Architecture, Design, Robotics and the Studio for Creative Inquiry, 1987-present

#### CARNEGIE MELLON UNIVERSITY PANELS:

“Balancing Teaching, Research, and a Personal Life”

Faculty Orientation sponsored by the Eberly Center for Teaching Excellence, August 1994

“Mentoring Graduate Students,” Women's Conference, 1992, 1993

“Advice for New Teachers,” Faculty Orientation sponsored by the Eberly Center for Teaching Excellence, August 1993

Seminar on Teaching Studio Courses, Faculty Orientation sponsored by the Eberly Center for Teaching Excellence, August 1991, 1992

Seminar on Creative Problem Solving, University Luncheon series sponsored by the Eberly Center for Teaching Excellence, 1992

“Balancing Research and Teaching,” Faculty Orientation sponsored by the Eberly Center for Teaching Excellence, August 1988, 1989