

CINDY LIMAURO
UNIVERSITY 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

University Professor, Carnegie Mellon University, 2018-present
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, 2005-2019, 2023
Arizona Opera, Lighting Designer, 2020-2021
City Theatre, Lighting Designer, 2020, 1991, 1994
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
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

Lighting designs included in Stage Lighting: The Fundamentals
by Richard Dunham, second edition 2018

Lighting designs included in Stage Lighting: Design Applications and More
by Richard Dunham, second edition 2018

“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, 10th 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 two published reports

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, 9th 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 Scenogrades, 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, 8th 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 3rd 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 6th 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, 2017

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

Cry It Out, City Theatre, February 2020
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 Pessemier, *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 by David Rousseve, **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

Il Trovatore, Pittsburgh Opera, 2023
Ariodante, Pittsburgh Opera, 2023
The Copper Queen film, Arizona Opera, 2021
Così fan Tutte, Pittsburgh Opera, October 2020
Savage Winter, **NY premiere at BAM**, American Opera, November 2018
Hansel and Gretel, Pittsburgh Opera, November 2018
Savage Winter (Ashes & Snow), **world premiere**, Pittsburgh Opera, February 2018

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 Bohème, Pittsburgh Opera, March 2009
Turandot, Opera Columbus, February 2009
Samson and Dalila, Pittsburgh Opera, October 2008
Aida, Pittsburgh Opera, March 2008
La Bohème, 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

Koppers Building, Pittsburgh, C & C Lighting Co-design with Christopher Popowich, 2018

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**

PUBLIC ART LIGHTING DESIGN

City of Pittsburgh Bicentennial Celebration – Rachel Carson Bridge Lighting
C & C Lighting, Design Finalist, 2016

San Jose Axis Public Art Project, C & C Lighting, Design Finalist, 2014

San Jose The Pierce Public Art Project, C & C Lighting, Design Finalist, 2014

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

Bestowed title of University Professor. The title of University Professor is the highest designation a faculty member can receive at Carnegie Mellon. University Professors are distinguished by international recognition and for their contributions to education, artistic creativity and/or research. 2018

Knight of Illumination Award nomination for *Savage Winter*, Opera Design 2019

This prestigious entertainment award recognizes three finalists in each design category in the United States.

Lighting Design Forum of New York, \$20,000 to teach Lighting Design workshops to further lighting education in Architecture and Interior Design schools, 2017

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 international commission 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

President Farnum Jahanian's Honorary Degrees Committee, 2019-2023

School of Drama, Head Search, 2021-2022

College of Fine Arts, Co-Chair, Dean Search Committee, 2019-2021

College of Fine Arts, Dean Review Committee, 2017

ETC School Review Committee, 2014-2019

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