

John Huntington

Curriculum Vitae

Email: jhuntington@citytech.cuny.edu

General Web Page: controlgeek.net

Photography Web Page: johnhuntington.net

Higher Education:

MFA - Entertainment Engineering/ Sound Design Yale School of Drama, 1990
Thesis: Methods of System Synchronization and Interconnection for Live Performance

BFA- Theatrical Design and Production Arts Ithaca College, 1985

Additional Education:

Certificate, Brooks Range Arctic River, Alaska National Outdoor Leadership School, 1996
Introduction to Meteorology Penn State Online, 2009
Global Knowledge CCNA Bootcamp 2011, 2012

Licenses or Certificates:

CISCO Certified Entry Network Technician	2012
Wilderness First Aid	2010
ESTA ETCP Recognized Trainer	2007
ESTA ETCP Certified Entertainment Electrician	2006
Meyer Sound Labs SIM System II Operator	1995
New York State Class B Laser Operator	1986-Present
Crestron CTI Introductory Level Programmer	1998
British Canoe Union Canoe Safety Test	2001
British Canoe Union Two Star Paddler	2004
British Canoe Union Three Star Paddler	2007
UMKC Supplemental Instruction Supervisor	2000

Teaching Experience:

Tenured Full Professor, Entertainment Technology	NYC College of Technology	1999-Present
Visiting Professor, Entertainment Control Systems	Yale University	1997-2011
Sold Entertainment Controls Curriculum	St. Clair College	2007
Supervisor, Supplemental Instruction Program	NYC College of Technology	Spring, 2001
Adjunct Professor, Sound Design	New York University	1995-2001

Academic and Professional Honors

GRTI Grant for *Synchronization of Metric vs. Absolute Time and Its Implementation in the Live and Performing Arts* 2005-2006

Co-wrote grant application with Dr. David B. Smith. Principle Investigator and coordinator of all acquisition and scheduling.

Subject Matter Expert, ESTA Entertainment Technician Certification Program 2005-2006

In 2005, appointed by ESTA's Entertainment Technician Certification Program (ETCP) as one of 12 "subject matter experts".

Workshops, Interviews, Master Classes, Talks and Seminars:

Podcast Interview about my book *Sound Design Live* Podcast
Winter, 2012

The Weather is Not Boring! Forecasting, Following and Photographing Storms HOPE Number 9 Conference
July, 2012

Newsletter Interview Bluefin Productions
July, 2012

Podcast Interview about IP and *Gravesend Inn* AVWeek Podcast
October, 2011

Podcast Interview about Weather and Storms *Weatherbrains* Podcast
August, 2011

Weird or What? With William Shatner Interview April, 2011

Double Blind Testing in Sound USITT Conference
Charlotte, March 2011

*Hacking for an Audience
Technology Backstage at Live Shows* The Last HOPE Conference
July, 2010

The Future of Graduate Education (Panelist) USITT Conference
Kansas City, March 2010

There is no Perfect Sound World Voice Day at CityTech
April, 2010

Networking Live Demo (Panelist) Lighting Dimensions International Conference
Las Vegas, Nevada, October 2008

Presentation on My Career Given at Citytech for students from Texas State
University at the request of Professor Shane Smith.
May, 2008

Workshops, Interviews, Master Classes, Talks and Seminars:

Master Class in Show Control and Entertainment
Technology

University of Illinois at Urbana
Urbana, Illinois, April 2008

Introduction to Show Control Lecture
(Moderator/Organizer/Presenter)

USITT Conference
Houston, Texas, March 2008

Master Class in Show Control and Entertainment
Technology

University of Texas at Austin
Austin, Texas, March 2008

Setting Up Control Systems (Co-
Organizer/Presenter with Richard Cadena)

Lighting Dimensions International Conference
Orlando, Florida, November 2007

Show Control Case Studies (Moderator/Organizer)

Lighting Dimensions International Conference
Orlando, Florida, November 2007

Technology Behind the *Gravesend Inn*

Dorkbot NYC
October 2007

Show Control Case Studies (Moderator/Organizer)

Lighting Dimensions International Conference
Las Vegas, Nevada, October 2006

Musical Time Research

Dorkbot NYC
April, 2006

Show Control Case Studies (Moderator/Organizer)

Lighting Dimensions International Conference
Orlando, Florida, November 2005

Introduction to Show Control Workshop
(Moderator/Organizer/Presenter)

USITT Conference
Toronto, Ontario, March 2005

Show Control and Projection Case Studies
(Moderator/Organizer)

Entertainment Technology Show/Lighting
Dimensions International Conference
Las Vegas, Nevada, October 2004

Future Of Technology in Theatre Panel Discussion
(Panelist)

Yale School of Drama
Alumni Conference
May, 2004

Show Control and Projection Case Studies
(Moderator/Organizer)

Entertainment Technology Show/Lighting
Dimensions International Conference
Orlando, Florida, November 2003

Reaching Beyond the Screen: Interactive Control
Technologies
(Presenter/Organizer)

Entertainment Technology Conference
MCCC, West Windsor, NJ, September 2003

Workshops, Interviews, Master Classes, Talks and Seminars:

Master Class in Show Control Master Class in Sound System Alignment (Presenter)	Carnegie Mellon University Pittsburgh, PA, April 2003
Introduction to Show Control Workshop (Moderator/Organizer/Presenter)	USITT Conference Minneapolis, Minnesota, March 2003
Show Control Case Studies (Moderator/Organizer)	Lighting Dimensions International Conference Las Vegas, October 2002
Master Class in Show Control Master Class in Sound System Alignment (Presenter)	Ithaca College Ithaca, New York, April 2002
Master Class in Show Control (Presenter)	Purdue University West Lafayette, Indiana, September 2001
Local #1 Audio/Video Crash Course (Presenter/Organizer)	City Tech Brooklyn, New York, January, 2001
Automated Sound Systems, Introduction to Show Control (Presenter/Organizer)	New York State Theatre Education Association Ellenville, New York, January 2001
Show Control—Future Directions (Moderator/Organizer)	Lighting Dimensions International Conference Orlando, Florida, November 2001
Master Class in Show Control Master Class in Sound System Alignment (Presenter)	Ithaca College Ithaca, New York, April 2001
Principles of Show Control for Theatre and Permanent Attractions (Presenter/Organizer)	Lighting Dimensions International Conference Las Vegas, Nevada, October 2000
Local #1 Audio/Video Crash Course (Presenter/Organizer)	City Tech, Brooklyn, New York, January, 1999
Show Control Roundtable (Moderator/Organizer)	USITT Conference Toronto, Canada, March 1999
Principles of Show Control for Theatre and Permanent Attractions (Presenter/Organizer)	Lighting Dimensions International Conference Orlando, Florida, November 1999

Workshops, Interviews, Master Classes, Talks and Seminars:

Principles of Show Control for Theatre and Permanent Attractions (Presenter/Organizer)	Lighting Dimensions International Conference Phoenix, Arizona, November 1998
Basics of Show Control (Presenter)	
Sound Design Think Tank (Moderator)	Lighting Dimensions International Conference Orlando, Florida, November 1996
Show Control Intensive Workshop (Presenter/Organizer)	USITT Conference Las Vegas, Nevada, March 1995
Advanced Show Control Seminar (Moderator/Organizer)	Lighting Dimensions International Conference Miami, Florida, November 1995
Show Control Workshop (Presenter/Organizer)	NYC Technical College Brooklyn, New York, May 1995
Show Control: Technology of the Future (Presenter/Organizer)	Lighting Dimensions International Conference Reno, Nevada, November 1994
Linking Lighting and Sound: The Fundamentals of Show Control (Presenter/Organizer)	Lighting Dimensions International Conference Orlando, Florida, November 1993
Sound Track: Broadway vs. West End Style (Moderator)	Lighting Dimensions International Conference Reno, Nevada, November, 1991
Future of Technology (Co-presenter)	IATSE National Conference Washington, DC, 1991

Publications:

<i>Show Networks and Control Systems</i> Complete update and self-published rewrite of my book.	2012
<i>Seeing Sound Waves</i> Video Created a video to demonstrate the speed of sound and published it on my blog. Viewed more than 35,000 times as of November, 2009.	2009
<i>Control Systems for Live Entertainment</i> , Third Edition The third edition of the first book on entertainment control systems. On Focal Press (ISBN 978-0-240-80937-3)	2007
<i>Control Systems for Live Entertainment</i> , Second Edition The second edition of the first book on entertainment control systems. On Focal Press (ISBN 0-240-80348-5)	2000

Technical Design Solutions for Theatre (The Technical Brief Collection, Volume 1) 2002
 Contributed chapter on PLC's.
 On Focal Press (ISBN 0-240-80490-2)

Control Systems for Live Entertainment 1994
 The first book on entertainment control systems.
 On Focal Press (ISBN 0-240-80177-6)

UMC User's Guide 1994
 Published by Production Arts Lighting for customer use.

Compulite Animator MLC-48 Moving Lights Computer User Manual 1993
 Published by Production Arts Lighting for customer use.

The Technical Brief Collection 1992
 Published by Yale School of Drama. Contributed a chapter on PLC's.

Web Site: <http://www.controlgeek.net> 1999-Present
 Leading non-commercial site on show control and entertainment technology.

Blog: <http://www.controlgeek.net/blog> Blog on entertainment technology that (as of February 2008-
 early 2009) is getting viewed by 2000-3000 people/month, from all 50 states and Present
 more than 90 countries.

Articles:

Weather Resources for Show Crews *Protocol*
 Spring 2012

Subsonic Show Business—Infrasound Controlgeek Blog
 Writeup of my infrasound research. November, 2010

Magical Design at Believe *Lighting And Sound America*
 March 2009

Wireless System Testing *Lighting And Sound America*
 February 2009

The ACN Future is Here *Lighting And Sound America*
 September 2007

Tangerine Trees and Marmalade Skies *Lighting And Sound America*
 (about *Cirque Du Soleil's* LOVE) September 2006

In Memoriam: George Kindler, 1948-2006 *LiveDesign, Lighting and Sound America*
 June, 2006

Articles:

<i>How Did They Do That</i> (about Cirque Du Soleil's <i>Ka</i>)	<i>Lighting And Sound America</i> April 2005
<i>A High Tech Haunted Hotel—Assembling a State-Of-the-Art system in a College Environment</i>	<i>Lighting and Sound America</i> February, 2005
<i>Show Time: When Do You Need A Show Control System?</i>	<i>Sound and Video Contractor</i> October, 2004
<i>Let's be Careful Out There: Thoughts from an ACN Observer</i>	<i>Lighting and Sound America</i> June 2004
<i>Broadway On The Bodensee</i>	<i>Entertainment Design</i> December 2003
<i>Ethernet Based Lighting Systems</i>	<i>Strand Lighting</i> January 2003
<i>Selecting A Show Control System</i>	<i>Staging Rental Operations</i> January 2003
<i>Rethinking Entertainment Technology Education</i> (Recipient of 2004 Herbert D. Greggs Merit Award)	<i>TD&T</i> December 2002
<i>Show Control: A New Frontier</i>	<i>Entertainment Design</i> June 2002
<i>Teaching Techies</i> (Article on City Tech Program)	<i>Stage Directions</i> October 2001
<i>The Old Left Brain/Right Brain Conundrum</i> (Interviewed For This Article, Didn't Write)	<i>Entertainment Design</i> October 2001
<i>Did Somebody Kidnap Lehrman?</i> (Letter to the Editor)	<i>Mix</i> February 2000
<i>A Matter Of Protocol</i> (Letter to the Editor)	<i>Lighting Dimensions</i> January, 1998
<i>The Big Three Oh!</i> (Contributor)	<i>Theatre Crafts International</i> August/September 1997
<i>Sound Design</i>	<i>The Journal for Stage Directors & Choreographers</i> Spring/Summer 1997

Articles:

<i>Midi Show Control: Five Years Later</i>	<i>Theatre Crafts International</i> March 1997
<i>What is Show Control?</i>	<i>Scarff Weisberg-A Quarterly Report</i> September, 1995(? Undated)
<i>Sound Designers!</i> (Excerpt from Online Conversation)	<i>Live Sound! International</i> March/April 1995
<i>Analog To Digital Conversion</i>	<i>Theatre Crafts International</i> August/ September 1994
<i>Make A Scene: Big Scene Projection From Rock To Cliffs</i>	<i>Lighting Design & Application</i> December 1992
<i>SIM System II: A Revolution In Equalization Technology</i>	<i>Theatre Crafts International</i> October 1992
<i>MIDI Show Control: A Simple, Powerful, Inexpensive Standard</i>	<i>Theatre Crafts</i> February 1992
<i>Motion Control: Technology Basics</i>	<i>Lighting Dimensions</i> January/February 1992
<i>AES In New York</i>	<i>Theatre Crafts</i> January 1992
<i>Sound Designer's Equipment Survey</i>	<i>Theatre Crafts</i> August/September 1991
<i>Working With The Sound Operator</i>	<i>Theatre Crafts</i> August/September 1991
<i>Tweaking The System To The House</i>	<i>Theatre Crafts</i> August/September 1991
<i>Show Report: Sound In Cincinnati</i>	<i>Theatre Crafts</i> August/September 1991
<i>The Bill Of Rights Tour</i>	<i>Theatre Crafts,</i> November 1991
<i>Maas Distribution: Tracomán Succeeds With Products</i>	<i>Lighting Dimensions</i> November 1991
<i>The ET Dimmer Test: A Highly Intelligent Power System</i>	<i>Lighting Dimensions</i> October 1991

Articles:

<i>To The Test: LD's Dimmer Testing Criteria</i>	<i>Lighting Dimensions</i> October 1991
<i>Patent Pending: A Look At The Patent Process</i>	<i>Lighting Dimensions</i> September 1991
<i>Broadcast News: Las Vegas Hosts 1991 NAB</i>	<i>Lighting Dimensions</i> May/June 1991
<i>Sky Light: STA Takes Xenon Searchlight Systems</i>	<i>Lighting Dimensions</i> May/June 1991
<i>Lighting Support Spaces: What Is The Ideal Light Booth?</i>	<i>Theatre Crafts</i> May 1991
<i>Supplies For Saigon</i>	<i>Theatre Crafts</i> April 1991
<i>The Business Of Sound Design: Must You Own Your Own Studio?</i>	<i>Theatre Crafts</i> March 1991
<i>USITT: Boston Hosts Expo</i>	<i>Lighting Dimensions</i> January/February 1991
<i>Tyro Talents: John Gromada</i>	<i>Theatre Crafts</i> January, 1991
<i>SMPTE Time Code</i>	<i>Theatre Crafts</i> January, 1991
<i>Show Report: AES</i>	<i>Theatre Crafts</i> December 1990
<i>MIDI</i>	<i>Theatre Crafts</i> November 1990
<i>Bringing Down The Wall</i>	<i>Theatre Crafts</i> November 1990
<i>A Tradition Of Quality: Edison Price Lighting</i>	<i>Lighting Dimensions</i> October 1990

Sound and Sound System Design:

Tribeca Film Festival Drive In

Designed the surround sound system for live broadcasts, and showing of several films on the Hudson river for 3000+ people.

Tribeca Film Festival
May, 2004, May 2005, May 2006,
May 2007, May 2008, April, 2009-
present

The Sports Museum of American

Audio system alignment for A/V and media consultant David Rome.

RomeAntics
May, 2008

The Museum at Bethel Woods Center for the Arts

Audio system alignment for A/V and media consultant David Rome.

RomeAntics
January, 2008

Red Violin Screening

In conjunction with the Brooklyn Philharmonic, produced a screening of this film, with a pre-show talk by composer John Corigliano. Designed the audio and video systems, and supervised a student crew.

Brooklyn Philharmonic
January, 2008

Curiosity Aroused

Edited and engineered this pilot for Rebecca Watson, which was funded by the Corporation for Public Broadcasting as part of the Public Radio Talent Quest. Also engineered and edited Ms. Watson's winning entry in the contest.

December, 2007

Trop Fest

Designed the surround sound system for the Trop Fest short film festival. Presented at the World Financial Center Plaza on the Hudson River for 3000+ people.

Dalzell Productions
September, 2007, September 2008

Skeptics Guide to the Universe

Produced a live taping of this well known science and critical thinking podcast. Engineered the sound system and created a multi-track recording of the event which was edited by the SGU and released online.

New England Skeptical Society
August, 2007

Fragrance Foundation Awards

Sound system design in a very spaces at the World Financial Center Winter Garden (featuring John Legend), and at the Park Avenue Armory.

Dalzell Productions
May, 2007, May 2008

Sound and Sound System Design:

<i>Dracula</i> World Premiere Opera by David Del Tredici	EOS Orchestra 1999
<i>The Marriage of Bette and Boo</i> By Christopher Durang, Directed by Marcus Stern	American Repertory Theatre 1998
<i>The Marriage of Bette and Boo</i> By Christopher Durang, Directed by Marcus Stern	New York University 1997
<i>The Chang Fragments</i> By Han Ong, Directed by Marcus Stern	NY Shakespeare Festival/Public 1996
<i>Budd</i> Written and Directed by Richard Caliban. Music by John Hoge.	Cucaracha Theatre 1995
<i>Instant Girl: On The Run</i> By Instant Girl, Directed by Marcus Stern	Dance Theatre Workshop 1994
<i>The Hyacinth Macaw</i> By Mac Wellman, Directed by Marcus Stern	Primary Stages 1994
<i>Silence, Cunning, Exile</i> By Stuart Greenman, Directed by Marcus Stern	Seattle Repertory Theatre 1994
<i>The Treatment (Co-Design)</i> By Martin Crimp, Directed by Marcus Stern	NY Shakespeare Festival/Public 1993
<i>Cross Dressing in the Depression</i> By Erin Cressida Wilson, Directed by Marcus Stern	Soho Rep 1992
<i>Homo Sapien Shuffle</i> Written and directed by Richard Caliban; music composed by John Hoge.	NY Shakespeare Festival/Cucaracha 1992
<i>The Great God Brown</i> Adapted and directed and by Marcus Stern.	New York University 1991
<i>The My House Play</i> By Wendy Macleod, Directed by Rob Greenberg	WPA Theatre 1991
<i>This is Your Life (Sit com pilot)</i> By Dean Bell.	One Dream Productions 1991

Sound and Sound System Design:

Famine Plays

Sound reinforcement and cues for a "downtown opera" by Caliban and Hoge

Under One Roof/Cucaracha at the
Triplex
1990

Phoebe's Got 3 Sisters

Adapted and Directed by Marcus Stern.

Cucaracha Theatre
1990

Summer Cabaret, Underground Soap

Sound design and reinforcement for many one-night performances, including Blue Man Group, Joey Arias, etc.

Cucaracha Theatre
1990-95

Founding Member, Cucaracha Theatre

1990-95

Life is a Dream

Adapted and Directed by Marcus Stern.

Yale School of Drama
1989

Solo Flight

By John Reaves, Directed by Marcus Stern.

Yale School of Drama
1989

The My House Play

By Wendy Macleod, Directed by Evan Yinolous

Yale Repertory Theatre
1988

Numerous Productions

Ithaca College
1981-85

Control System Design and Consulting:

Zircon Designs <http://www.zircondesigns.com/>

1994-Present

Through Zircon Designs, my design and consulting company, I have worked on many projects, including:

Control Systems Consultant, **Radio City Music Hall** (2006-present): Provided consulting services for several large scale projects related to the Christmas Spectacular, including the network microphone project, and the bus on both the show in the Music Hall (2007) and for the arena tour (2008).

Private Residence, Nantucket 2010

Control System Design and Consulting:

Rock and Roll Hall of Fame Annex, NYC: Designed and programmed the Show Control System, 2008-2009.

Control Systems Consultant, **Metropolitan Opera** (2005) Created a testing and alignment system for worldwide satellite uplink radio broadcasts.

Independent Capital Finance (2003): Consulting on market for show control products.

Woodloch Pines Resort (2000-2003): Designed, implemented, built and programmed show control integration system for this beloved family resort in the Poconos.

The Prince and the Pauper (2000): Sound system alignment,

Les Quatre Vents (1997-2000): Designed, implemented, built and programmed interactive audio features in this world renowned privately owned garden in La Malbaie, Quebec.

Ashland Hollow (1998-1999): Designed, implemented, built and programmed interactive audio features in this privately owned garden in Delaware.

Blue Man Group/Chicago (1999): Trained and consulted on audio and control systems.

NikeTown/New York (1999-2002): Consulted on show and A/V systems.

Hudson Scenic (1994-1995): Consulted on the design of a scenic motion control system.

Associate Audio Director-**Metropolitan Opera/NY Philharmonic** Summer Tour 1995-2006

Associate Audio Director for the **Metropolitan Opera and New York Philharmonic** summer tour, providing sound outdoors for up to 100,000 discerning listeners in venues such as Central Park throughout the New York area. Mixed both Metropolitan Opera and New York Philharmonic. System Engineered Princess Diana Memorial in Central Park.

Manhattan Kayak Company 2003

Assistant Guide, leading commercial kayaking trips on the Hudson River.

Systems Engineer, Thoughtful Designs/PRG 1997-1999

Designed, implemented and programmed show control, sound and control systems.

Control System Design and Consulting:

Projects included:

Blue Man Group Tubes in Chicago

NikeTown in New York.

Basketball Hall of Fame, Springfield Massachusetts

Science City, Kansas City

Sound Engineer-Metropolitan Opera House 1994-97

Designed sound reinforcement, sound effects, and communication systems. Created sound effects and “transparent” reinforcement for several operas.

Show Control Systems Designer, *Madison Scare Garden* 1996

Designed/programmed show control system for first “Haunted House” at Madison Square Garden.

Systems Engineer-Production Arts Lighting 1991-94

Designed lighting, show and motion control systems and managed projects for large scale productions including theme parks, cruise ships and Broadway shows. Involved electrical/electronic system design, computer-aided design, technical writing, project management and field engineering.

Projects Included:

Buccaneer Bay, Treasure Island Hotel: Designed and implemented show control system for this Las Vegas attraction.

Holland America Lines MS Ryndam: Project Managed the design and implementation of a lighting system on this cruise ship, which was built in a yard in Italy.

Showboat: Designed and built the control system for a slide rotating system for this Broadway show.

Technical Editor- *Theatre Crafts* and *Lighting Dimensions* Magazines 1990-91

Covered entertainment technology techniques, equipment and markets. Lead edited *Theatre Crafts*’ first issue ever focusing on sound.

Engineer-Associates and Ferren 1985-87, Summers 88, 89

Designed, programmed, constructed and operated control systems; 35mm and Vista-Vision camera, motion-control and projection systems; high-power argon-ion lasers, and coordinated projects.

Control System Design and Consulting:

Credits included:

Film: *The Manhattan Project, Little Shop of Horrors, Making Mr. Right, Critical Condition*

Broadway/Theatre: *Big Deal, Sunday in the Park with George, Elvis Musical*

Music: Roger Waters Radio KAOS Tour, Pink Floyd

Other: Corning Fiber-Optic Torture Test.

Affiliations:

Member, IATSE Local #1

Member, Audio Engineering Society

Member, ESTA Control Protocols Working Group (representing IATSE Local #1)

Member, Instrumentation Society of America

Member, US Institute for Theatre Technology