

**Curriculum Vitae**

**Education**

Yale School of Drama - M.F.A. in Technical Design & Production, 2009 (Coursework Completed: 2006)  
*Motor Control Fundamentals* - MFA Thesis  
Advisor: Professor Alan Hendrickson

University of Wisconsin – Madison - B.S. in Theatre and Drama, 2003

**Employment**

Associate Professor	University of Wisconsin – Madison	2018-Present
Department Chair	Theatre and Drama	2018-Present
Assistant Professor	University of Wisconsin – Madison	2011-2018
Visiting Assistant Professor	University of Wisconsin - Madison	2009-2011
Head of Electrical Design	Fisher Technical Services, Las Vegas NV	2008-2009
Electrical Design Engineer	Fisher Technical Services, Las Vegas NV	2007-2008
Visiting Assistant Professor	University of Wisconsin - Madison	2006-2007
Owner/Operator	For The Stage, LLC	2006-Present
Teaching Assistant/Grader	Yale School of Drama	2005-2006
Learning Project Assistant	Yale School of Art	2005-2006
Summer Associate	Hudson Scenic Studio	2005
Undergraduate Assistant	University of Wisconsin - Madison	2003

**Honors, Grants, and Awards since MFA**

Impact 2030 Faculty Fellowship in Theatre and Drama, UW-Madison School of Education (\$100,000)	2020
Big Ten Academic Alliance Department Executive Officer Fellow	2019
Wisconsin Idea Seminar “Big Lake Tour” Participant	2018
Grand Challenges “Engage” Grant, UW-Madison School of Education <i>What the Moon Saw – Interactive Performance Research</i> (\$25,000)	2017
International Conference Travel Grant, VCRGE Research Committee (\$1,000)	2017
Global Education Committee, SoE Seed Funding – Live Entertainment Technology in China (\$1,995)	2016
ESTA “Above and Beyond” Award, Entertainment Services and Technology Association	2016
Research Services Award, UW-Madison VCRGE Research Committee (\$9,153)	2015
USITT Project Grant “Demystifying Braking Resistors” (\$10,000)	2014
Graduate School Fall Competition	
Performer Flying Systems: Completing the E1.43 Standard (\$17,472)	2016
Beyond the Emergency Stop: Functional Safety in Motor Drives (\$9,000)	2015
Interactive Projection and Automation for Live Performance (\$105,000)	2014
Dynamic Braking and Shock Load in Entertainment Automation Systems (\$59,535)	2014
Network-Based Safety-Critical Entertainment Automation Control Systems (\$56,575)	2013
“Allen M. & Hildred L. Harvey Prize in Technical Design and Production”, Yale University (\$500)	2006
Frederick A. Buerki “Golden Hammer” Technology Award, USITT (\$1,000)	2006

**Positions Held that Require Scholarly Competence**

Entertainment Services and Technology Association (ESTA) -Formally PLASA North America  
Control Protocols Working Group, Technical Standards Program

Committee Co-chair	BSR E1.59: Position Transmission Standards	2016-2019
Committee Chair	ANSI E.1-6.4: Portable Control of...Electric Chain Hoists	2017-2019

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## Positions Held that Require Scholarly Competence (cont.)

Rigging Working Group, Technical Standards Program  
Committee Member                      ANSI E1-43: Performer Flying Systems Standard                      2011-2015

### United States Institute for Theatre Technology (USITT)

CAD Standards Committee                      2009-2014

### National Association of Schools of Theatre (NAST)

Accreditation Requirements Review Committee – MFA in Theatre Technology                      2011

## Research

### Book Chapters:

Lisowski, D., Ponto, K., Fan, S., Probst, C., and Sprecher, B. "Augmented Reality in Live Theatrical Performance." Springer *Handbook of Augmented Reality*, Edited by Profs. A. Y. C. Nee and S. K. Ong, Springer, 2021 (Accepted for Publication), pp. TBD

### Published Articles:

"BSR E1.59 Motion Tracking Transmission Protocol" *Protocol* Volume 22 – Number 4 – Fall 2017

"Designing Extreme 3D User Interfaces for Augmented Live Performances" IEEE VGTC conference 2016

"Calculating LED Circuit Requirements" *Technical Brief* Volume 23.2 - No. 1377 - January 2005

### Featured Work:

Perkins, Meghan. "5Qs: Daniel Lisowski, Assistant Professor, Tech Design" *Live Design* Oct. 2016: 4-13. Print.

Earle, Rany. "Stage|Set|Scenery a Diverse Experience" *Sightlines* (Aug. 2015): n. pag. Web.

Editor. "DThG Features USITT 2015" *Sightlines* (July 2015): n. pag. Web.

Dunham, Rich. "Three Grants Awarded in 2014" *Sightlines* (May 2014): n. pag. Web.

Ruling, Karl. "Swinging Along" *Protocol – The Journal of the Entertainment Technology Industry* (Spring 2011) pp. 63-64. Print.

Dorn, Dennis, Mark Shanda. Drafting for the Theatre. 2nd ed. Carbondale: Southern Illinois University Press, 2012. Figure 14.14

Brunner, Paul. "Technical Production Offers Sessions, Workshops." *USITT Sightlines* (Dec. 2010): n. pag. Web.

### Conference Presentations of Research:

"Engineering and Entertainment: An Academic Perspective" Presenter, Symposium on Education in Entertainment and Engineering, 2019

"Research in Interactive Entertainment Technology" Chair, USITT 2018

"Emerging Issues in Entertainment Engineering" Chair, USITT 2018

"Realizing ALICE: Merging Interactive Technology and Advanced Functional Safety in Augmented Reality Performance" Sole Presenter, Stage|Set|Scenery, Berlin 2017

"Social trends and impact on viewing habits" Panelist, Stage|Set|Scenery, Berlin 2017

"Merging Technology and Art in United States Performance" Invited Sole Presenter, 15th China International Entertainment & Technology Summit, Beijing China 2017

"Emerging Issues in Entertainment Engineering" Chair, USITT 2017

"Protecting ALICE: Advanced Functional Safety in Augmented Reality Performance" Sole Presenter, LDI 2016

"Demystifying Breaking Resistor Calculations" Sole Presenter, USITT 2016

"Emerging Issues in Entertainment Engineering" Chair, USITT 2016

"Demystifying Breaking Resistor Calculations" Sole Presenter, Stage|Set|Scenery, Berlin 2015

"Loads in Mechanical System Design" Chair, USITT 2015

"Advanced PLC Programming: Structured Text" Chair, USITT 2015

"Performer Flying Systems" Panelist, LDI 2015  
 "Short Circuit Current Rating: It's the Law!" Chair, USITT 2013  
 "Tom Swift and His Electric Bomb; or, Understanding Short Circuit Current Ratings" LDI 2013  
 "Design and Fabrication of Electrical Control Panels" Chair, USITT 2012  
 "3D Modeling Techniques with Inventor" Chair, USITT 2011  
 "CAD Standards Committee Presentation" USITT 2011  
 "Using Microcontrollers in Production: the little chip that can solve big problems" USITT 2011

**Creative Research (Selected)**

<b>University of Wisconsin – Madison</b>	Principal Investigator	2011-Present
<i>What the Moon Saw</i> – Interactive Performance Research		2019
Augment Live Interactively Controlled Environment (ALICE) Original Project Presentation		2015

<b>For The Stage, LLC</b>	Owner/Operator	2006-Present
<u>ZFX Projects (Selected):</u>	<u>Purpose:</u>	<u>Year:</u>
Peter Pan – Beijing	Single Axis 400V SEW VFD	2016
Activision/Raven Software	Motion Capture Flying Drive	2016
Dubai 10HP 400V VFD	Integrated Niscon and ZFX Controls	2015
5 HP RTL Drive	Stock – Run ‘tween Limit Control Enclosure	2014
Holland America, EUDM	Hoist Control System for New Lyra Act	2013
Feld – Disney on Ice	Dual Lift, Travel, & Rotate Flying Rig	2013
Feld – Disney Junior Live Tour Controls	Performer Lift and Travel System	2013
NASA’s JPL Simulator	Simulated Lander Testing Hoist	2013
<i>Bite</i> – Las Vegas	Performer Flying Controls	2012
Nuit Blanche “Flightpath”	Audience Flying/Performance Art	2011
7.5 HP eZaxis	Upgraded version of Stock Equip.	2011
Uniqlo – New York	3 Story Flown Manikin Display	2011
Two-Axis eZaxis	Stock – Lift and Travel Control	2011
Pirates Voyage	Performer Flying Stunt Show	2011
L&R Control Pendant	Stock – Lift and Rotate Control	2010

<b>Fisher Technical Services, Inc.</b>	Electrical Design Consultant	2012-2013
<u>Projects (Selected):</u>	<u>Location/Use:</u>	<u>Year:</u>
BCU – Barge Control Unit	Disney’s Animal Kingdom	2013
FCU – Float Control Unit	Disneyland (in future, all parks)	2013
Dragon FCU	Disneyland	2013
Aladdin Carpet Controls Upgrade	California Adventure	2013
‘Mad T Party’ Performer Flying Hoist Controls	California Adventure	2013
Disney’s ‘Mickey and the Magical Map’	California Adventure	2013
Lyric Winch/Controls Retrofit	Lyric Opera (Chicago)	2012
Disney Junior – Controls Upgrade	California Adventure	2012

<b>Fischer Technical Services, Inc.</b>	Head of Electrical Design	2007-2009
<u>Projects (Selected):</u>	<u>Location/Use:</u>	<u>Year:</u>
<i>Spiderman: Turn off the Dark</i>	Foxwoods Theatre (Broadway)	2009
“World of Color”	Disney California Adventure	2009
<i>The Creature for the Black Lagoon: The Musical</i>	Universal Studios Hollywood	2009
Orchestra Pit Lift Control -N.Y. State Theater	Lincoln Center, New York	2009
CHC-1 Camera Head Controller	Various Movie Shoot Locals	2009

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NASA's Lunar Lander Test Winch/Simulator	Langley Research Centre, VA	2008
<i>Disney's Aladdin: A Musical Spectacular</i>	Disney California Adventure	2008
Stock Automation System	Center Theatre Group, CA	2008
<i>Dragon's Treasure</i> aka 'The Bubble Show'	City of Dreams, Macau, China	2008
"Dragone Theatre" Lift Control	City of Dreams, Macau, China	2008
ZED at the Cirque du Soleil Theatre Tokyo	Disney Tokyo Resort	2008

#### Hudson Scenic Studio

<u>Projects (Selected):</u>	<u>Department/Location:</u>	<u>Year:</u>
<i>In My Life</i>	Design Engineering, Original Broadway Production	2005
<i>The Blue Man Group Live at Luxor</i>	Metals/Automaton, Las Vegas Relocation	2005
<i>White Christmas: The Musical</i>	Carpentry, First and Second National Tour	2005

#### Yale Repertory Theatre

<u>Projects (Selected):</u>	<u>Position:</u>	<u>Year:</u>
<i>The Comedy of Errors</i>	Technical Director	2005
<i>The Cherry Orchard</i>	Assistant Technical Director	2005
<i>Radio Golf</i> (World Premiere)	Properties Assistant	2005
<i>The Clean House</i> (World Premiere)	Assistant Scenic Designer	2004
<i>The King Stage</i> (New Adaptation)	Master Electrician	2004

#### University of Wisconsin – Madison

<u>Projects (Selected):</u>	<u>Position:</u>	<u>Year:</u>
<i>The Beaux' Stratagem</i>	Technical Director	2015
<i>At the Ark at Eight</i>	Technical Director	2015
<i>I Can't Go On. I'll Go On.</i>	Set Designer	2012
<i>The 25th Annual Putnam County Spelling Bee</i>	Technical Director	2010
<i>The Three Sisters</i>	Technical Director	2007
<i>The Beckett Project</i>	Technical Director	2006
<i>I Do! I Do!</i>	Technical Director	2003
<i>The Woman in Black</i>	Technical Director	2003
<i>Das Barbecü: A New Musical Comedy</i>	Technical Director	2003
<i>Hamlet Tour</i>	Technical Director	2003
<i>Antigone</i>	Technical Director	2002
<i>Careless Love</i>	Assistant Technical Director	2002
<i>A Flea in Her Ear</i>	Assistant Technical Director	2002

#### Courses Taught (UW-Madison)

- Spring 2021: Collaborative Problem Solving (Theatre 234), Research and Thesis (Theatre 990)
- Fall 2020: Advanced Production Practicum: Interactive Performance Research (Theatre 661)
- Summer 2020: Special Topics: Experiencing Theatre (Theatre 219)
- Spring 2020: Directed Study (Theatre 699)
- Fall 2019: Collaborative Problem Solving (Theatre 234), Research and Thesis (Theatre 990)
- Summer 2019: History of Theatres and Staging (Theatre 431)
- Spring 2019: Collaborative Problem Solving (Theatre 234)
- Fall 2018: Production Practicum (Theatre 619), Directed Study (Theatre 699)
- Spring 2018: Theatre Production Lab (Theatre 162), History of Theatres and Staging (Theatre 431), Backstage Laboratory III (Theatre 561), Advanced Production Laboratory (Theatre 661), Directed Study (Theatre 699), Research and Thesis (Theatre 990)

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- Fall 2017: Special Topics: Collaborative Problem Solving (Theatre 619), Drafting for the Theatre (Theatre 370), Advanced Production Practicum (Theatre 661), Research and Thesis (Theatre 990)
  - Spring 2017: Seminar – Entertainment Automation (Theatre 911/619), Backstage Laboratory III (Theatre 561), Advanced Production Practicum (Theatre 661)
  - Fall 2016: Seminar – Structural Design for the Stage (Theatre 911/770), Drafting for the Theatre (Theatre 370), Advanced Production Practicum (Theatre 661)
  - Spring 2016: Special Topics - Entertainment for Engineers (Theatre 619), Special Topics/Seminar - Power Systems in Entertainment (Theatre 619/911), Advanced Production Practicum (Theatre 661)
  - Fall 2015: Advance Theatre Technology (Theatre 770), Advanced Production Practicum (Theatre 661), Directed Study (Theatre 699)
  - Spring 2015: Special Topics - Entertainment for Engineers (Theatre 619), Research and Thesis (Theatre 990)
  - Fall 2014: Special Topics: Creative Problem Solving (Theatre 619), Special Topics/Seminar: Entertainment Automation (Theatre 619/911), Research and Thesis (Theatre 990)
  - Spring 2014: Special Topics - Entertainment for Engineers II (Theatre 619), Seminar - Structural Design for the Stage II (Theatre 911), Research and Thesis (Theatre 990)
  
  - Fall 2013: Special Topics: Seminar – Structural Design for the Stage I (Theatre 911), Graduate Shop Skills (Theatre 619), Special Topics: Design and Production Seminar (Theatre 619), Independent Study (Theatre 799)
  - Spring 2013: Special Topics - Entertainment for Engineers (Theatre 619), Special Topics: Entertainment Automation (Theatre 619), Research and Thesis (Theatre 990), Directed Study (Theatre 699)
  - Fall 2012: Seminar - Entertainment Automation Controls (Theatre 911), Advanced Production Practicum (Theatre 661), Research and Thesis (Theatre 990)
  - Spring 2012: Special Topics: Creative Problem Solving (Theatre 619), Seminar - Entertainment Technology Seminar (Theatre 911), Research and Thesis (Theatre 990), Directed Study (Theatre 699)
  - Fall 2011: Drafting for the Theatre (Theatre 370), Seminar – Advanced Problems in Stage Design (Theatre 972), Advanced Production Practicum (Theatre 661), Research and Thesis (Theatre 990)
  - Spring 2011: Special Topics - Automation: Controls (Theatre 619), Special Topics: Structural Design for the Stage II (Theatre 619)
  - Fall 2010: Drafting for the Theatre (Theatre 370), Advanced Stagecraft (Theatre 570), Special Topics: Technical Direction Tutorial (Theatre 619)
  - Spring 2010: Advanced Theatre Technology (Theatre 770), Special Topics: 3D and Mechanical Drafting (Theatre 619), Special Topics: Technical Direction Tutorial (Theatre 619)
  - Fall 2009: Drafting for the Theatre (Theatre 370), Special Topics: Technical Direction Tutorial (Theatre 619)
  - Spring 2007: Fundamentals of Stagecraft (Theatre 170), Fundamentals of Technical Direction (Theatre 470), Directed Study (Theatre 699)
  - Fall 2006: Drafting for the Theatre (Theatre 370), Special Topics: Technical Direction Tutorial (Theatre 619)
  - Spring 2003: Backstage Laboratory I (Theatre 161), as Undergraduate Assistant

**MFA Thesis Committees with Advising/Supervision notated as (Chair)**

Zachary Schmidt – Theatre Technology (Chair)	Anticipated Summer 2021
Caitlin Magness – Theatre Technology (Chair)	Spring 2018
John Van Arsdale - Theatre Technology (Chair)	Spring 2015
Bethany Reinfeld - Theatre Technology (Chair)	Spring 2015
Vince Davey - Theatre Technology (Chair)	Spring 2015
Dane Styczynski - Theatre Technology (Chair)	Spring 2015
Ben Golden – Lighting Design	Spring 2015
James Vogel – Theatre Technology (Chair)	Spring 2014
Allyn Weber – Theatre Technology (Chair)	Spring 2013

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Cole Muth - Theatre Technology (Chair)	Spring 2012
Erik Berry – Lighting Design	Spring 2012
Walter Claassen - Theatre Technology (Chair)	Spring 2011
Drew Wimmer - Theatre Technology (Chair)	Spring 2010
Larry Bennett - Theatre Technology	Spring 2010
David Peirce - Theatre Technology	Spring 2010

### **Mentored Student Awards**

<u>KM Fabrics, Inc. Technical Production Award, USITT Young Designer and Technician Awards</u>	
John Van Arsdale	2015
Cole Muth	2013
<u>Golden Hammer Technical Production Award, USITT Young Designer and Technician Awards</u>	
Dane Styczynski	2016
<u>Excellence in Graduate Thesis Research, USITT Engineering Commission</u>	
John Van Arsdale	2016
James Vogel	2017

### **Service (Selected)**

Institutional Service	
Department of Theatre and Drama, UW-Madison	
Division of the Arts Academic Affairs Committee, Dept. Rep.	2020-Present
Head of Theatre Technology Specialization	2009-Present
Faculty Senator (elected)	2014-Present
School of Education – Academic Planning Council (elected)	2016-2020
Merit, Scholarship, and Awards Committee (elected, chair)	2016-2019
Curriculum Committee Chairperson	2012-2013, 2015 - 2016
Production Committee (formally Production Oversight Committee)	2011-Present
MFA Design/Technology Programs Recruitment	2011-2017
<u>Search Committees (successful)</u>	
Full Professor of Acting, ToP, Tenure case Chair	2020
Assistant Professor of Lighting Design, Search Chair	2020
Assistant Professor of Set Design, Search Chair	2020
Assistant Professor of Directing and Acting, Search Chair	2019
Assistant Professor of Voice, Committee Member	2018
Faculty Associate: Production Coordinator, Committee Member	2018
Faculty Associate: Scene Studio Supervisor, Search Chair	2012
<u>Tenure Committees/Mentorship</u>	
Assistant Professor Neil Mills - Chair	2020-Present
Assistant Professor Megan Reilly - Chair	2020-Present
Assistant Professor Mark H. (Mentor)	2019-Present
Assistant Professor Colleen Conroy - Member	2018-2020
School of Education	
Remote Work “Tiger Team”, Member	2021
Associate Dean for the Arts Search Committee, Member	2021
Internship Task Group, Member	2019-2020
Grand Challenges “Transform” Award Advisory Committee, Member	2018
Associate Dean for Innovation Search Committee, Member	2018

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University Service, UW-Madison	
Athletic Board, Faculty Member	2013-Present
Personnel Committee, Co-Chair	2014-2018
Finance, Facilities, and Operations Committee, Member	2014-Present
Academics and Compliance Committee, Member	2013-Present
Personnel Committee, Member	2013-Present
Sport Liaison – Football	2015-2018
Sport Liaison – Hockey	2013-2015
Head Coach Search Committee, Football	Fall 2014
Head Coach Search Committee Chair, Women’s Basketball	Spring 2016
Amateurism Ad-hoc Sub-Committee, Co-Chair	2013-2014
Creative Arts and Design Community (CADC) Steering Committee	2011-Present
Professional Service	
<u>United States Institute for Theatre Technology (USITT)</u>	
Engineering Commission	
Vice-Commissioner for Research	2017-Present
Vice-Commissioner of Programming	2014-2017
Midwest Section	
Director at Large	2014-2018
<u>Entertainment Services and Technology Association (ESTA) -Formally PLASA North America</u>	
Stage Machinery Working Group, Technical Standards Program	
Voting Member	2019-Present
Control Protocols Working Group, Technical Standards Program	
Voting Member	2014-2019
Rigging Working Group, Technical Standards Program	
Voting Member	2009-2019
Public Service	
East High School Renovation Advisory Panel	2015-2016
Technical Director, Netherwood Knoll Elementary, <i>Snow White...Seven Dwarves</i>	Spring 2016

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