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Fall 2022 Newsletter

From the President's desk...

Welcome <<First Name>>, we're glad you're here. I am a transplant to North Carolina which I now proudly call home. I was drawn here many years ago for the quality of life for our young family and the simple Southern charm of the area. Like me, many others also have been drawn to North Carolina probably for some of the same reasons I ended up here, and as a result, our communities are experiencing unprecedented growth and construction.

Be part of the change and let everyone know that we have excellent lighting design talent right here in North Carolina! There is no need to import talent from other major metropolitan areas to light our communities - we already have top design capabilities in our own backyard! Two of our Raleigh Section designers received Merit Awards from the international 49th Annual IES Illumination Awards: Derek Barnwell and James Clotfelter. Congratulations to you both!

Start locally with the 3rd Annual Raleigh Section Illumination Awards which is now accepting architectural lighting design submissions (see details below). It's time to show our North Carolina pride and talent – submit your projects by November 7th!

-Mai Carr Zakerin, LC

IES Raleigh Section President 2022-2023

Special Announcements

2022 Raleigh Illumination Awards

We invite you to submit your projects to our 2022 Raleigh Illumination Awards.

At a glance:

Nov 1st - Submissions closed

Nov 23rd - Winner notified
Dec 2nd - Winner announcement at Holiday Social.
IA Page: <https://raleigh.ies.org/awards/>

Table Top Trade Show @ Frontier RTP

And we are thrilled to host in-person Table Top Trade Show!

At a glance:

Fri, October 14, 2022

12:00 PM – 2:00 PM

Register here: <https://www.eventbrite.com/e/the-ies-raleigh-2022-trade-show-tickets-418968805977>

Local Events



Educational Events IES Raleigh Section Trade Show

Date: Friday, October 14th
Frontier RTP - Building 800
800 Park Offices Drive
Raleigh, NC 27709

Join us for an in-person Trade Show!

The IES Raleigh Section would like to invite you to attend a local Tabletop Trade Show. This is a great way for our local lighting community to come together and learn about the latest lighting and control technologies in the industry.

Join us for table top presentations, lunch, and special prize drawings (be sure to bring lots of business cards!). We will have approximately 20 tables where local, regional and national representatives will display and discuss their lighting and control products and/or services.

Hurry and register today to reserve your spot: eventbrite.com/e/the-ies-raleigh-2022-trade-show-tickets-418968805977

Social Events

Lumen & Lunch Social

Date: Friday, October 21st, 12-1pm

Namu

5420 Durham Chapel Hill Blvd

Durham, NC 27707

Winter Holiday Social | Save the Date!

Date: Friday, December 2nd, 12-1pm

Frontier RTP - Building 800

800 Park Offices Drive

Raleigh, NC 27709



North Carolina Illumination Awards 2022

The IES Raleigh Section would like to invite you to participate in the
North Carolina Illumination Awards 2022

This is a great way for the community to see what our lighting designers, architects and engineers have been working on this past year and a great way to showcase the project you are considering to submit to the IES 50th Annual IA in February 2023.

submissions **November 7, 2022**
due:

fee: **\$35 (IES member)**
\$65 (non-member)

application: **Attached or**
raleigh.ies.org/awards

submit to: **Turquoise Shaw**
turquoiseshaw@outlook.com
(704) 641 2760



- Award Recipient will be announced December 2022
- Award Recipient will receive paid registration (\$150) to The 50th Annual IES Illumination Awards

Illumination Awards

The IES Raleigh Section would like to invite you to participate in the local Illumination Awards (IA).

This is a great way for the community to see what our lighting designers, architects and engineers have been working on this past year and a great way to showcase the project you're considering submitting to IES IA next February.

Submissions due: November 7, 2022

<https://raleigh.ies.org/awards/>

Thank you to all our members who attended our live webinars.
As a reminder, you can rewatch any of our recorded webinars on our
[IES Raleigh YouTube Channel](#)

We want to hear from you! Do you have an idea for a future educational or social event?

Submit your ideas to iesraleighsection@gmail.com

Membership

New Members

Welcome to our newest member!

Parker Battle | SESCO Lighting

Member Spotlight

This issue's member spotlight is on Derek Barnwell!



Derek Barnwell

Member of IES Since 2002

Company: Available Light Inc

Title: Managing Principal- Raleigh Studio

When did you first hear about the IES and what prompted you to join?

I first heard of the IES in 2020 in Boston MA and thought it would be a great way to network with other lighting design professionals.

At what point in your career did you come to understand lighting was the career path for you?

In 1990 I began working in the New York club scene and found myself on the

lighting team of a group that owned and operated macro-scale night clubs. That starving artist job turned into a career!

What is the best thing about the Society? Why do you continue to renew?

The educational opportunities! They are a valuable resource.

Past/Recent Projects

National Museum of the United States Army Alexandria VA

Molina Family Latino Gallery at Smithsonian Institute Washington DC

Charlotte Douglass International Airport Concourse A Phase II Charlotte NC

National Museum of the Marine Corp Quantico VA

When not serving the advancement of the art and science of lighting, how do you like to spend your free time?

I'm a musician and play around the Triangle area in several bands.

Project Feature

National Museum of the United States Army

Project submitted by Available Light Inc (Derek Barnwell)

Client: National Museum of the United States Army



Project Description: National Museum of the U.S. Army conveys 245+ years of history.

From macro-scale artifacts to immersive media, the museum deploys sophisticated, dramatic lighting across 45,000 sq.ft. of exhibits.

The visitor experience, embracing enormous scale, demanded lighting systems that would be robust and simple to maintain.

Nine galleries, each representing a critical juncture in Army history, are accessed via

commonly designed portals off a 300-foot-long media and lighting-rich connecting Concourse.

Three distinct mounting positions were employed: with 27' tall "black box" spaces, it was clear that workhorse luminaires would need to be high-powered, narrow beam, framing projectors. Second, custom-curved light track, stood off gallery walls, allows consistent lighting of graphics and artifacts along curvilinear walls. Third, artifact cases are illuminated with an integral system of fiber optic-driven spotlights clamped to rods. This multi-prong strategy was crucial to developing a hierarchy helping visitors to comprehend and circulate.

For continuity, clarity, and orientation, some elements (i.e., lighting graphics) are consistent from gallery-to-gallery. Each gallery has a myriad of stories to tell; artifacts, dramatic tableaux, cast figures, macro-scale artifacts, and synchronized A/V presentations, all help illuminate these accounts.

Applying a myriad of layers of light to craft the visual environment: from brushstrokes of light on graphic panels to hundreds of theatrical accents, the designers sought to deliver a vibrant, dynamic experience transporting visitors through time and place.

Design work began in 2008; tall spaces demanded CMH framing projectors as the workhorse luminaire. The 12-year design arc collided with the LED Revolution. A study was conducted seeking implications, challenges, and electrical consumption benefits of transitioning to an all-LED system; a convincing cost-benefit analysis produced approval to proceed. An already tight budget was slightly enhanced to make the conversion. Payback in energy savings and maintenance are tracked. The results deliver a stunning visitor experience.





Name at least one unique challenge associated with this project? Maintaining a sense of continuity over the course of a 12-year design effort while enduring design firm, Owner leadership, and technology changes was the greatest challenge to the successful completion of the project.

What factors contributed to the success of this project? Keeping the vision of the original design team, while navigating changes in the lighting industry, that saw legacy lighting sources give way to LED technologies. The willingness of the Ownership to buy into this new paradigm, despite the cost implications, allowed the lighting design team to deliver a macro-scale design that will stand the test of time.



Design Team:

Architect: Skidmore Owens & Merrill Architects

Lighting Design: Available Light Inc

We want to hear from you!

Do you have a cool project you would like featured in our next newsletter?

Submit your projects to iesraleighsection@gmail.com or visit <https://raleigh.ies.org/>

Additional Announcements

Annual Conference Report

This year's Annual Conference was smaller and better than in the past, about 300 people attended. We learned great new language on circadian lighting from Robert Soler's talk that all lighting practitioners can understand. Another interesting presentation was on flicker. As an industry, we still do not have a standard on flicker. Naomie Miller did a Flicker demo that you can see here: <https://youtu.be/bstFk5W3QaA>

Another noteworthy presentation was on Exit and Emergency lighting, with standing room only! The product showcase was a blast. And I met tons of emerging professionals at a very successful EP event. We had three members from the Raleigh Section attend, David Sheffer, Roger Lane, and Bob Henderson. The entertainment was great with not one, but two New Orleans jazz bands! I have a recording to share here: <https://youtu.be/oSvLFS7yGjo>

-Bob Henderson
Past President, IES Raleigh Section 2021-2022

Job Postings

Electrical Senior Project Engineer | Affiliated Engineers | Chapel Hill, NC | [AEI Careers](#)

Electrical Project Engineer | Affiliated Engineers | Chapel Hill, NC | [AEI Careers](#)

Electrical Engineer II | Affiliated Engineers | Chapel Hill, NC | [AEI Careers](#)

Electrical Senior Project Engineer – Power Systems | Affiliated Engineers | Chapel Hill, NC
| [AEI Careers](#)

BIM Specialist I | Affiliated Engineers | Chapel Hill, NC | [AEI Careers](#)

Electrical Designer | Apogee Consulting Group | Cary, NC | [Apogee Consulting Group](#)

Electrical Engineer | Apogee Consulting Group | Cary, NC | [Apogee Consulting Group](#)

Cost Estimator | Apogee Consulting Group | Cary, NC | [Apogee Consulting Group](#)

Assistant Architecture/Engineering Project Manager | Apogee Consulting Group | Cary, NC
| [Apogee Consulting Group](#)

Outside Sales Representative | Graybar | Charlotte, NC | [Graybar Careers](#)

Distributor Sales Representative | Litesource | Greenville/Wilmington, NC | [Litesource Careers](#)

Senior Electrical Engineer (PE) | O'Brien/Atkins Associate | Durham, NC | Dana Dorroh
(dana@onesource-nc.com)

Lighting Instructor (part time) | Institute of Energy Professionals (IEP) | Raleigh, NC |
walterbright@theiep.org

Does your company have an open position in North Carolina, South Carolina or Virginia?
Email us at iesraleighsection@gmail.com. Include position / title, company name, and a company
contact or link to the company job listing.

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Email us at iesraleighsection@gmail.com.

Are you good at crafting messaging and creating marketing content? Joining our marketing committee today!

Email Christine at c.vanleeuwen.lc@gmail.com



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