



GEORGIA LIGHTS

Volume 7 Issue 6

www.iesgeorgia.org

February 2006

A LETTER YOUR PRESIDENT

Dear Members,

I hope you all have had a great start to 2006....

I would like to thank Lithonia Lighting and the Jim McClung Lighting Center for hosting last month's informative review and update of RP-29 "Lighting for Hospitals and Healthcare Facilities." John Selander was quite entertaining; the salmon wasn't bad either....

This month we will be treated to an architectural tour of the newly completed Georgia Aquarium; the largest aquarium in the world (so they tell me). The tour will be guided by our very own Gary Fowler of TVS&A who was the project architect. This will be a rare opportunity to get a glimpse into the mind of the design team for this exciting project. **Space is limited to 50 persons so please RSVP today** to Jim Youngston (jyoungston@gableryoungston.com) if you plan to attend. The tour will be held from 4pm – 6pm but the aquarium will not let late comers in. The IES has pre-purchased tickets for this event. There will be a manned table set up outside the main entry to the aquarium at 3:30pm where you can register and pickup your ticket.

We are looking at overhauling our section's website. We really want the website to be a source of information and value to our lighting community and would welcome comments from all of you through the end of March. Please email me at brent@lightscapemedia.com with your suggestions.

Don't forget...ED-100 'Lighting Fundamentals' will begin March 8th and is held one night a week for 9 weeks. This is a great opportunity to get your new hires quickly up the speed on lighting practice and technology! It's also a great refresher....Classes will be held at GA

Tech. Please see the website, www.iesgeorgia.org, or the last pages of this newsletter for further details.

Sincerely,

Brent Shelly
2005-2006 Section President

MEETING NOTICE

WHAT: Georgia Aquarium Architectural Tour

WHEN: Thursday February 16th
4:00 – 6:00 **(Check in 3:30, DON'T BE LATE AS THE AQUARIUM CLOSES IT'S DOORS AT 4:00)**

WHERE: Georgia Aquarium
225 Baker Street
Atlanta
404-581-4000
www.georgiaaquarium.org

COST: \$ 30.00 Members / \$20.00 for Georgia Aquarium season pass holders
\$ 35.00 Non-members / \$25.00 for season pass holders
\$ 20.00 Students / \$10.00 for season pass holders

Please contact Jim Youngston at 404-521-3166 or jyoungston@gableryoungston.com to **make your reservation by February 14th.**

Note that space is limited for this tour, so if you want to come, sign up sooner than later. ALSO NOTE THAT AS WE HAVE TO PRE-PURCHASE TICKETS FOR THIS EVENT, IF YOU RSVP IN THE AFFIRMATIVE, YOU WILL STILL BE EXPECTED TO PAY FOR THE MEETING IF YOU NO-SHOW.

SCHEDULE OF EVENTS (Fall 2005/Spring 2006)

Thursday, February 16th
Georgia Aquarium Architectural Tour
4:00 – 6:00, Check in 3:30

Wednesday, March 8th – Wednesday May 3rd
ED100 Lighting Fundamentals Courses
6:00 – 7:30 Each Wednesday Evening
GA Tech, Bunger Henry Room 311 (directions to follow)
For more information, please contact Tricia Foster or see below.

Thursday, March 16th
Forces of Change.
Evening meeting in Peachtree City at Cooper Lighting
Details to be determined.

Thursday, April 20th
Systems Integration, Lighting and Audiovisual
Lunch meeting.
Details to be determined.

May, 2006
IES Georgia Golf Tournament
Details to be determined.

May 30–June 1
Lightfair
Las Vegas Convention Center, Las Vegas Nevada.
www.lightfair.com

SECTION OFFICERS

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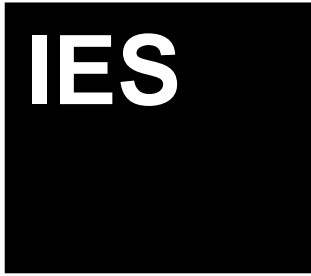
Comments, suggestions and letters to the editor may be faxed to Jim at (404) 521-3167 or e-mailed to jyoungston@gableryoungston.com. Questions regarding advertisements may also be directed to Jim.

HAVING A LIGHTING RELATED EVENT?

If you are planning a lighting related event that you feel would be of interest to your fellow IES members, we'd like to hear about it. Please send the title of the program, presenter(s), date(s), location, and contact information to jyoungston@gableryoungston.com.

Think someone you know might benefit by receiving this newsletter?

Please feel free to forward it to all of your friends, and, if you like, send their email addresses to Jim Youngston for inclusion on the mailing list!



**ED-100
Fundamental Level
Objective**

**The Georgia Section of the IESNA is pleased to
announce its spring offering of ED-100, a
fundamental level lighting course.**

Goal

The course will entail 9 weeks of instruction will be conducted on Wednesday evenings beginning March 8th – May 3rd, 2006 from 6:00 – 7:30 p.m. Instructors are local industry leaders. Cost is \$275.00 for IESNA individual members: \$325.00 nonmembers. Classes will be held at GA Tech Campus, Bunger Henry Room 311.

Directions:

I-75 North
Exit 10th street
Left on 10th street (first light after exit); left on Fowler St. (first light after highway); right on Ferst St. (first right); left on Atlantic Dr. (first left) where Atlantic Dr. starts to turn Bunger Henry is on the right

Parking:

Continue on Atlantic Dr. to stop sign
Make left on 4th Street
Immediate left into parking lot of Van Leer

Registration Deadline: Feb. 22, 2006

Fill out the following and email to **Tricia Foster** at tricia.foster@lithonia.com to register.

Name:

Company:

Address:

City:

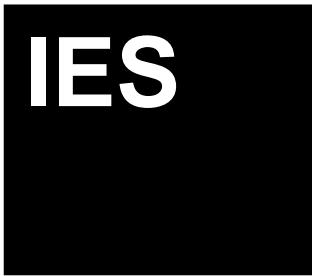
State:

ZIP:

Phone:

Fax:

Email Address:



Course Description

Ed-100 consists of nine instructional sessions. Class will include a combination of lectures, problem-solving sessions, homework, and weekly quizzes.

Objectives

1. To gain a fundamental understanding of the science of lighting including such topics as:
 - ✓ the basics of lighting terminology
 - ✓ how colors are perceived, measured and manipulated
 - ✓ the physiological basics of vision and perception
2. To gain a broad overview of current lamp types and their associated equipment.
3. To gain an appreciation of the basics of optical design.
4. To learn how to read a photometric report and to make appropriate comparisons.
5. To understand how to perform basic lighting calculations including use of the Lumen Method and of direct point-by-point computations.
6. To be introduced to the process of lighting design including lighting for visual performance and for visual impact. These sessions will cover:
 - ✓ interior lighting
 - ✓ exterior lighting
7. To understand the basics of energy management and how it fits into the design process.
8. To understand the basics of making economic comparisons of alternative lighting designs.

ED-100 provides comprehensive instruction on current lighting practices. The nine-week course has been designed for employees who need a strong overview of the science of lighting, lighting equipment and the use of lighting. This is both for employees needing such information in their current positions or in anticipation of future career moves within the company.

The sessions will be:

1. Light and Color – 3/8

A discussion of: light as radiant energy; color theory; source color characteristics and basic lighting terminology.

2. Vision and Perception – 3/15

The basics of: vision, visual acuity; the IESNA Illuminance Selection Procedure and glare.

3. Light Sources – 3/22

The basic operating theory and common parameters of sources including some discussion on HID ballasts. LEDs briefly discussed as time permits.

4. Luminaires & Photometrics – 3/29

A discussion of: the basic principles used in luminaire optical design and how to read a photometric report.

5. Lighting Calculations – 4/5

Two calculation methods are presented: the Lumen Method and point-by-point calculations

6. Lighting Applications – 4/12

A discussion of the basic principles of design and application when lighting either for visual performance or for visual impact.

7. Lighting for Exterior Applications – 4/19

Reviewing the fundamental issues involved in lighting for outdoor environments.

8. Energy Management & Economics – 4/26

A discussion of the role of energy management in current lighting practices and the use of life cycle costing.

9. Daylighting – 5/3

A discussion on the concept and benefits of daylighting and integrating it into a buildings lighting system.