

# 2018 SAUL M. GOLDIN MEMORIAL INTERNSHIP

## A TRIBUTE TO SAUL M. GOLDIN

In every profession, certain individuals distinguish themselves by their dedicated contributions of time, effort, insight, foresight and education to that profession and to the community which it serves. When this status is achieved with a noble spirit, challenging fellow members to strive for perfection, encourage those who fail to achieve it and always personally exemplifying stated standards and beliefs the individual is not only recognized, but respected and remembered. The consulting electrical/lighting engineering profession has its share of present and past distinguished members, none more notable the Saul Goldin.

Born in Manitoba, Canada, Saul's professional career began in 1946 when he obtained his B.S.E.E. from the University of Manitoba and moved to Los Angeles, working as a consulting engineer with such prominent architects as Welton Becket, Pereira, Luckman and Gruen. Saul opened his own consulting practice in 1960 and joined IES in 1961 as an Associate Member. He soon became "in demand" for nearly every project of architectural lighting significance in Los Angeles as evidenced by his involvement in the redesign and relighting of the Hollywood Park Racetrack (for which he received the IES's highest Design Achievement Award) and the Rodia Towers in Watts. Despite the demands of raising two daughters and a son and the daily grind of involvements of his practice, Saul found time to teach a whole generation of architecture students at U.S.C. the finer points of lighting and electrical design.

In 1965, Saul became a full Member of IES and continued to serve the local Section. He was elected Regional Vice President of the South Pacific Coast Region in 1972 and served until 1974 and RVP Director the second year. Following his service as RVP, Saul was elected a Director of the Society from 1975 through 1978. In the early 1980's, Saul undertook additional teaching roles at the Southern California Institute of Architecture (SCIARC). This added exposure to the architectural design process led Saul to become an architect himself. He submitted his application with panache, "After all these years, I've come to the conclusion that the only way I can escape the stupidity of architects is to become one myself". He successfully completed the program and graduated with a master's degree in Architecture at age 67. He was selected Valedictorian of his class and adorned the commencement with another endearing and inspiring demand for excellence. Unknown by most people, Saul had been diagnosed with lung and liver cancer four years prior to his graduation but had continued to learn, challenge, question, stimulate and contribute to the efforts of his family and colleagues at every opportunity. He was made an Honorary Member of IESNA in early 1991 and passed away peacefully on July 29 of that year.

Saul's legacy is to not just accept things, but rather question and challenge them in a sensitive and positive way. Design efforts must not be mediocre, but rather must strive for excellence.

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## GENERAL INFORMATION

In honor of Saul Goldin, this internship program was established to encourage and recognize students in Southern California who have shown an interest in lighting and to raise their awareness for lighting advancement and its application. The Illuminating Engineering Society, Los Angeles Section (IESLA) will partner with California Lighting Technology Center (CLTC) at the University of California at Davis. CLTC is a full-scale research laboratory and was established as an industry, utility, and government partnership to accelerate the development and commercialization of efficient residential and commercial lighting technologies. One student will be awarded to join CLTC for an 8-week summer internship (June-August). Unique among architectural lighting design internships in the country, students will be given an once-in-a-lifetime experience to learn from some of California's top engineers and research teams. The winner will get an introduction to the latest lighting technology, energy regulations, and sustainable lighting design practice-including daylighting research while developing interpersonal skills through outreach and marketing projects. All these skills will be applicable in future lighting design careers. In addition to providing a portfolio and resume boost, accommodations and monthly stipend will be awarded.

## GENERAL RULES

Go to <http://www.iesla.org/internship.html> for online application.

Provide one letter of recommendation

Short essay (approximately 500 words)

Due date: ~~March 1<sup>st</sup>, 2018, 5:00pm~~ **March 19<sup>th</sup>, 2018, 5:00pm**

Finalists will be selected one week after the application due date and will be asked to join select judges made up of Southern California design and engineering professionals for interviews to be conducted between March 7-11<sup>th</sup> (Exact location TBD.) Finalists are encouraged to bring with them their lighting and/or project portfolio for discussions. Winner will be announced by April 2<sup>nd</sup>, 2018. Student will fulfill the internship in 8 sequential weeks between June 18<sup>th</sup>-Sept. 28<sup>th</sup> 2018. IESLA will coordinate with student based on academic calendar. All finalists will receive (5) five complimentary admissions to IESLA meetings and be given a membership in the IES for the following year.

To be eligible for this program, an applicant **must** meet the following criteria:

1. Be enrolled in an accredited program at an accredited educational institution.
2. Be enrolled in an approved, accredited curricula of architecture (ACSA), interior design (CIDA), architectural engineering, electrical engineering, industrial engineering (ABET) or theater (NAST).
3. Be a full time undergraduate student pursuing lighting studies in the above majors or a graduate student with a specific lighting project as part of an advanced degree program.
4. Be studying in the Southern California counties of Los Angeles, Orange, Ventura, Santa Barbara, San Bernardino or Riverside.

\*If you feel that your educational institution should be eligible but does not meet the above criteria, please contact the scholarship chairperson – exceptions will be considered on a case-by-case basis.

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## ABOUT CLTC

The California Lighting Technology Center was created in 2003 through a joint effort of the California Energy Commission (CEC), the National Electrical Manufacturers Association (NEMA), and the University of California, Davis. The mission of CLTC is to stimulate, facilitate, and accelerate the development and application of energy-efficient lighting and daylighting technologies in partnership with utilities, manufacturers, end users, builders, designers, researchers, academics, and government agencies. The facility includes full-scale lighting and daylighting application laboratories for the development and demonstration of next-generation, emerging lighting and daylighting technologies. Comprehensive in-house and outreach training programs are being developed in cooperation with industry and utility groups to complement demonstration and application labs. For more information about the California Lighting Technology Center at UC Davis and its programs, visit <http://cltc.ucdavis.edu>. Finalist will have the opportunity to do 2-4 items from the activities listed below. Final activities and work will vary per year and will be dependent on current projects at time of internship.

**Design & Engineering** - California is the leading state in energy efficiency according the American Council for an Energy-Efficient Economy's (ACEE) annual report. In addition to major industry partnerships, CLTC is associated with the California Energy Commission's Public Interest Energy Research (PIER). Student will get a firsthand look at how CLTC supports the PIER program in energy research, development and demonstration projects that will help improve the quality of life in California by bringing environmentally safe, affordable and reliable energy services and products to the marketplace. Student will assist scientific staff in support of the research and development of energy efficient lighting systems. Duties will include working on the development of new energy-efficient fixture prototypes, assisting in the design and assembly of laboratory testing facilities, developing and maintaining data acquisition systems and data analyses. Minimal power tool skills are important.

**Field Work** - Get hands on experience with CLTC's design and engineering professionals as they perform lighting audits and site visits on related projects as well as introduction to lighting codes and standards. Responsibilities include conducting field reports and AGI32 lighting calculations.

**Daylighting** - In recent years, design for daylight has become an important feature of mainstream construction in North America due to the sustainable design movement and the enormous impact it has on end user satisfaction and performance. (IES DG-18-08) Duties will include data measurements, component research, and analysis of daylighting as it relates to lighting and architecture.

**Outreach** - It is beneficial to have knowledge of technology and its applications, and it is equally important to convey these new methods and ideas effectively to the general public and future clients. Student will work directly with Outreach staff in creating marketing and graphic material for CLTC's educational programs, events and projects, and new energy-efficient technologies. Tasks include, but are not limited to, creating and editing PowerPoint presentations, posters, displays, e-newsletters, surveys, implementing web site updates and photographing events and lighting products under the art direction of Outreach staff. Created materials should be translatable for distribution in either print, digital, web, or a combination of the different media (marketing, graphic design, website maintenance, writing, PPT creation, guides and manuals, codes and standards).

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## SUMMARY OF AWARDS AND BENEFITS

### Travel Voucher

While public transportation is common in Davis, CA, it is recommended that student have a vehicle for their time during internship. Student will be awarded \$500 to be used for roundtrip airfare or mileage to/from Southern California to Davis, California. Davis is also known for being one of the best "bike cities" in the U.S. and student is encouraged to bring with them a bike to get around town.

### Housing

One dormitory-style bedroom conveniently and safely located at the University of Davis summer conference housing program. The summer housing program includes three meal plans per day, beddings, internet, and other campus amenities such as W/D and fitness facilities. Please visit <http://www.confhsq.ucdavis.edu> for more information on housing. *\*Final apartment subject to change based on yearly review, additional housing*

### Monthly Stipend

Student will be given a \$750 stipend on a biweekly basis. A total of \$3,000 (for 8 weeks period) will be awarded to student for completing the internship.

### Other Perks

A year's membership to Illuminating Engineering Society. Two seats at our annual rewards gala, Lumen West. Plus, meeting vouchers for local chapter meetings at the IES Los Angeles section. Estimated prize package of over \$500.

### About Davis, CA

"The Today Show" named Davis one of America's Five Friendliest Cities. Standards included: safety, diversity, pedestrian and bike friendliness, as well as the presence of parks and public spaces (2008). Explore the quaint Davis town and its UC Davis campus facilities or take a short 20 minutes road trip to visit California's capital in historic and diverse city of Sacramento. Napa Valley and San Francisco is also 1-2 hours away for those who crave more adventure.