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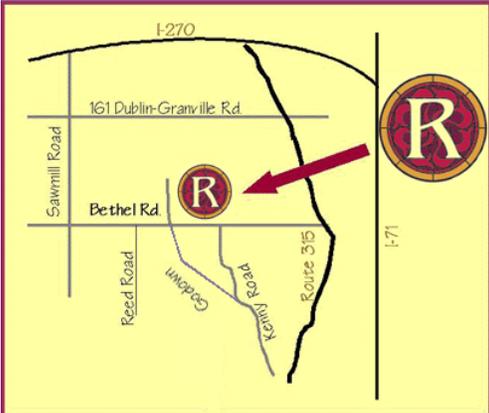
DON SONGSTAD RETIRES FROM CAS AFTER 50 YEARS OF SERVICE

By Steven N. Rosenthal

Donald Songstad has retired from CAS after 50 years of service. Don's last day of work was July 16, 2010, which was celebrated with a grand retirement party in the Pavilion. The party was attended by Don's family, coworkers and friends. CAS President Robert J. Massie offered his congratulations to Don for his long and valuable service to CAS. Don is very active in the Columbus section and has held many different offices. Don and Virginia plan to stay in Columbus. The Columbus Section heartily congratulates Don on his retirement. We want to wish you all the best in your retirement. Thanks for everything you have done for the Columbus Section.

***Congratulations and Best Wishes,
Don and Virginia!***

MEETING NOTICE

<p>Columbus Section of the American Chemical Society, Inc. http://columbus.sites.acs.org</p> <p>Program: <i>Bio-inspired Strategies for Mechanical Enhancement</i> Dr. LaShanda T. Korley</p>	<p>Tuesday, September 21, 2010 6:00 pm Refectory Restaurant & Bistro 1092 Bethel Road Columbus, OH 43220 www.refectory.com</p>
<p>5:00-6:00PM</p>	<p>Executive Committee Meeting (open to all members)</p>
<p>6:00-6:45 PM</p>	<p>Reception: Hors d'oeuvres and beverages. Beer and wine will be available at the cash bar.</p>
<p>6:45-7:30 PM Dinner</p>	<p>Duo of Salmon and Beef with Seasonal Mesclun Salad, and Chocolate Charlotte Torte dessert. A vegetarian option is available for anyone that requests it.</p>
<p>7:30-8:30 PM Program</p>	<p><i>Bio-inspired Strategies for Mechanical Enhancement</i> Dr. LaShanda T. Korley</p>
<p>Cost</p>	<p>\$25 per person members and non-members, \$20 for retired and unemployed members, \$10 per student. Payment will be collected at the door; cash and checks (payable to "Columbus Section ACS") accepted. <i>Remember that this is a dinner order and must be paid. Please help control costs by honoring your order.</i> There is no charge to attend the program only.</p>
<p>RSVP</p>	<p>Please use the voice mail reservations service by calling 614-447-3600 extension 7047. Follow the template for reservations*. Alternatively, please send e-mail with the same information to The Columbus Section at the following e-mail address: acscols@earthlink.net or use the Meeting Reservation form on the web site http://columbus.sites.acs.org.</p>
<p>*Voicemail/e-mail Reservations Template</p>	<ul style="list-style-type: none"> • First and last name: Please spell last name. • Membership category: member, non-member, retired, emeritus, unemployed, student, other. • Employer or college/university. • Your choice of entrée, Salmon and Beef Duo or Vegetarian. • Your phone number, in case we need to contact you.
<p>Reservation Deadline</p>	<p>Tuesday, September 14, 2010 at noon.</p>
<p>Program Contact</p>	<p>Steven N. Rosenthal 614-447-3600, ext 2070, srosenthal@cas.org</p>
<p>Directions</p>	<p>The Refectory Restaurant & Bistro, 1092 Bethel Road, Columbus, OH 43220 is located on the north side of Bethel Road. Take Route 315 and exit at Bethel Road.</p>  <p>Free parking is provided.</p>

ABOUT THE SPEAKER:
DR. LASHANDA T. KORLEY



Dr. Korley is a tenure-track, assistant professor in Macromolecular Science and Engineering at Case Western Reserve University. LaShanda leads a research team focused on the development of Mechanically-enhanced, Multifunctional Polymeric Materials. Her research efforts were recently recognized by a National Science Foundation CAREER Award and a 3M Nontenured Faculty Grant. LaShanda is also the recipient of the CWRU Glennan Teaching Fellowship in recognition of her contributions to and innovation in teaching and hosts outreach/mentoring activities to motivate youth to pursue STEM careers. She was inducted into the 2010 40/40 Club Class for Kaleidoscope Magazine.

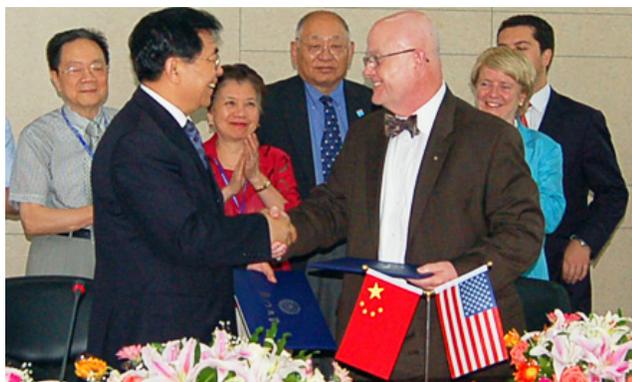
In 1999, LaShanda received BS degrees in Chemistry and Engineering from Clark Atlanta University, and a BS degree in Chemical Engineering from Georgia Institute of Technology. She is also a former ACS Scholar. She received her doctorate in Chemical Engineering/Program in Polymer Science and Technology from Massachusetts Institute of Technology in 2005. Her postdoctoral studies were conducted at Cornell University in the School of Chemical and Biomolecular Engineering from 2005 – 2007.

Dr. Korley is the wife of Dr. Julius Korley and the proud mother of one daughter, Clara. She is a member of Olivet Institutional Baptist Church. LaShanda is also a member of Alpha Kappa Alpha Sorority, Inc., and enjoys running and reading in her spare time.

ABOUT THE TOPIC:
BIO-INSPIRED STRATEGIES FOR MECHANICAL ENHANCEMENT

An understanding of the architecture and deformation behavior of natural materials, such as titin, collagen, and spider silk, gives clues to the unique interplay between structure, hierarchy, and function and influences the rational design of mechanically-enhanced materials. These bio-inspired design principles have motivated the exploration of several approaches to enhancing mechanical behavior.

ED KING PART OF ACS DELEGATION TO CHINA
From the Section's Website



The [American Chemical Society](#) and the [Chinese Chemical Society](#) [CCS] signed a memorandum of collaboration on June 20 2010 in the latest effort to further strengthen bilateral ties. Both sides agreed to a three-year cooperation alliance starting this year, promising to better serve chemical scientists, engineers, and professionals in the two countries. An ACS delegation attended the signing ceremony as well as the ensuing CCS biennial meeting in Xiamen, China.

Although not mentioned by name in the article, Columbus Section members will recognize our own Alternate Councilor and past Chair (1992) **Ed King** in the center of the photo in the second row. Read the entire article in the July 5, 2010 issue of *C&E News* on page 69.

ACS ANNOUNCES ITS 2010 CLASS OF ACS FELLOWS

By Steven N. Rosenthal



Claudia Turro

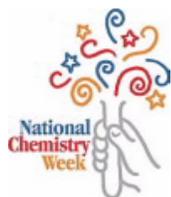
Terry A. Miller

192 distinguished scientists have been selected as 2010 Fellows of the American Chemical Society. These ACS members were selected based on their outstanding achievements in and contributions to the science, the profession, and their excellent service to the Society. Similar to the inaugural class of 2009, the Fellows represent a wide range of disciplines and geographic locations, representing 33 technical divisions and 79 local sections. The 2010 class also includes distinguished scientists and engineers from industry, academia, and government.

The Columbus Section had two of its members selected as ACS Fellows. Our new ACS fellows are Terry Miller and Claudia Turro. The Columbus Section extends its congratulations to our new ACS Fellows.

A complete list of the Fellows can be found in the August 2, 2010 issue of C&EN. For additional information on the ACS Fellows Program, go to www.acs.org/fellows or send an email to fellows@acs.org.

Congratulations, Claudia and Terry!



NATIONAL CHEMISTRY WEEK 2010:
BEHIND THE SCENES WITH CHEMISTRY!
October 17–23, 2010

Chemistry is everywhere, whether prominent as a science fair project or tucked behind the scenes of a movie set or book. Explore the special effects in movies to appreciate that it is not magic, but rather common chemical concepts which explain the mystery behind the "magic" that is shown. For more information on the theme, view the [2010 overview](#).

National Chemistry Week (NCW) is a community-based annual event that unites ACS local sections, businesses, schools, and individuals in communicating the importance of chemistry to our quality of life.

Your Columbus Section will be partnering with COSI on Wheels for NCW. Volunteers are needed to perform hands-on chemistry demonstrations for children of all ages at the Main Branch of the Columbus Metropolitan Library, 96 South Grant Avenue, from 10:30 AM until 3:00 PM on Saturday, October 23, 2010. No previous experience is necessary; we will provide everything you need and show you how to perform the demonstrations on the day of the event. You are not required to work the entire time; you may sign up for a two- or three-hour "shift." Please contact Professor John Blaha at 614.287.5930 or blaha@cscce.edu for more details.

WANTED: SECTION OFFICER CANDIDATES

By Ron Mitchum, Section Nominating Committee Chair

Location: Columbus, OH Local Section

Experience: Local Section ACS Member

Job Description: The Columbus Section of the American Chemical Society is one of the nation's largest sections. With over 1500 Local ACS members the section is one of the best endowed and funded, the section is one of the oldest, and the section has members who represent a wide cross section of education, industry and government.

The Local Section has leadership opportunities that will promote your career now and in the future. Lead the ACS Columbus Section as the Chair Elect. Manage the Section's finances as the treasurer. Document the Section's activities as the Secretary. Represent the local Section nationally as a Councillor.

Salary: The Columbus local section rewards its officers with gratitude for a job well done.

Apply: Ronald Mitchum – Chairman, Nominating Committee

DAT Laboratory – 7715 Corporate Blvd. – Plain City, OH 43064

614-873-0710 – Fax 614-873-0810

ronaldmitchum@core.com – www.datlab.com

Gear up for a 2011 run for local office, be a leader, be proactive in the society.

The nominating committee is seeking nominees for the following positions, **Chair Elect, Treasurer Elect, Secretary, and Councillor**. Self nomination is the norm so don't be shy. To maintain a broad representation of our sections members we seek at least two nominees for each position. I hope you will consider running this year. You can obtain additional information, job descriptions and advice from past office holders by contacting me. The elections are held in November.

If you have any questions **give me a call**. Job descriptions are available.

Thank you. **Ronald Mitchum- Chairman, Nominating Committee**



HELP PUT CHEMISTRY ON THE CALENDAR IN 2011!

From the ACS Weekly Newsletter

Through the International Year of Chemistry 2011 initiative *365: Chemistry for Life*, a different aspect of chemistry is highlighted every day on www.acs.org. Submit ideas for a favorite element, compound, discovery, process, chemist, or chemistry innovation at www.acs.org/iyc2011, by September 17, 2010. Selected submissions receive recognition and an IYC-2011 pin and t-shirt. For more ideas on how to celebrate the International Year of Chemistry, visit www.acs.org/chemistryambassadors, or [sign up to receive the monthly IYC Bulletin](#)

COSI FESTIVAL OF CHEMISTRY

From the COSI Calendar of Events

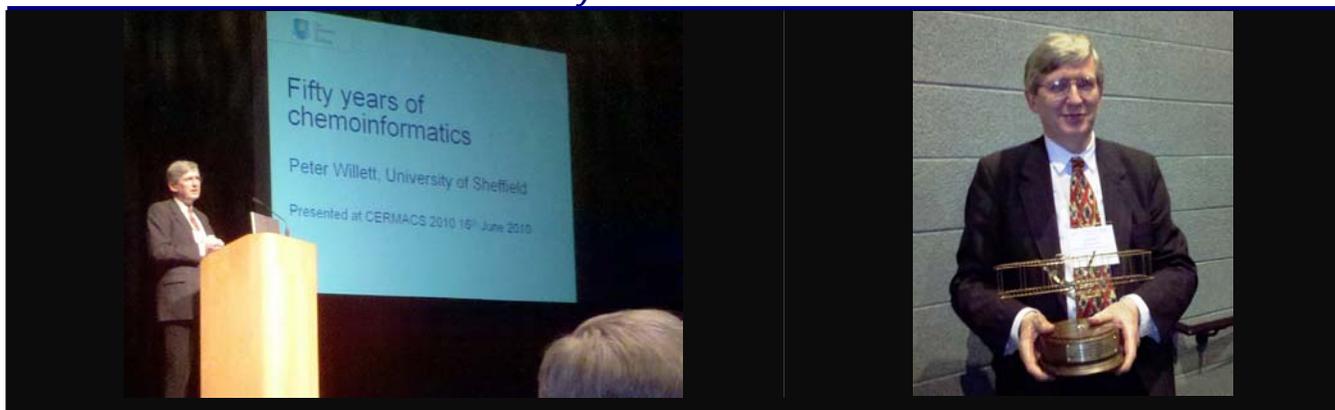
The Festival of Chemistry will take place at COSI on October 29, 2010 - October 31, 2010.

October 29: 5-9pm—October 30: 11am-3pm—October 31: 1-5pm

Discover how chemistry connects to our lives every day and explore exciting careers in chemistry. Join the COSI Team and scientists from the American Chemistry Society, the Ohio State University, and leading central Ohio companies as we explore the exciting world of chemistry. Play Chemistry Bingo, too! Want more? Add COSI's *Pumpkin Patch Science You Try It!* Family Workshop for an additional fee. This event is presented by The Camille & Henry Dreyfus Foundation. Read more: <http://www.cosi.org/visitors/calendar/?m=10&y=2010#ixzz0wG7xv8MG>

There are several ways to participate. Plan to visit COSI during the Festival. Bring along your family and friends. Contact **Joan Harliss** or **Steve Witt** at COSI (614.228.2674 or 888.819.2674) if you would like to be a volunteer at the Festival and help out with the demos and displays. Ask your employer to participate. COSI is looking for materials and equipment that could be brought to the Festival for display and demonstration purposes.

Admission to the Festival of Chemistry is free with the purchase of COSI general admission.

PATTERSON-CRANE AWARD*By Theresa Huston*

The Patterson-Crane Award, an award given jointly by the Columbus and Dayton Sections, was presented to Dr. Peter Willett on June 16, 2010 at an awards ceremony as part of CeRMACS 2010 at the Dayton Convention Center. Dr. Willett is a Professor of Information Science at the University of Sheffield in the United Kingdom. Professor Willett is the author or editor of over 460 articles, books, chapters, and reports describing research into novel techniques for processing databases of chemical, textual, and biological information.

Professor Willett's major areas of study have included: automatic indexing of chemical reaction databases; the use of clustering methods for text databases; database applications of parallel processors; applications of information retrieval in humanities computing; 3D pharmacophore searching; identification and conflation of word variants in text databases; and information management techniques for the design of combinatorial libraries. His current research interests include: similarity and machine-learning techniques for searching chemical databases; applications of graph theory, cluster analysis and genetic algorithms in drug discovery and structural biology; and the use of citation data for the quantitative evaluation of academic research performance.

The title of the award address was "Fifty Years of Chemoinformatics". He covered the beginnings of chemical information from the 1960's through today with discussions on historically important papers. Items of importance included graph theory, including the Morgan algorithm used by CAS in its Registry System, which gave researchers the ability to do substructure searches which today can be done in 3D. Other items covered were reaction databases, computer-aided synthesis design, similarity searching, Markush structures, ligand docking, and molecular diversity analysis. One of the greatest users of this information has been the pharmaceutical industry, which has also funded much of the research in the chemoinformatics area.

A reception was held immediately after the award presentations, where Professor Willett made himself available to answer any follow-up questions.

ACS SCHOLARS PROGRAM CELEBRATES 15TH ANNIVERSARY*By Steven N. Rosenthal*

The award-winning ACS Scholars Program helps underrepresented minority students to pursue undergraduate degrees and careers in the chemical and engineering sciences.

The program offers scholarships, mentoring and, when possible, internship opportunities for each participant. Learn how Scholars are enhancing the chemistry workforce by reading special 15th Anniversary [profiles](#) in C&EN.

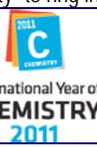
Outcome

- 95% earn baccalaureate degrees with 80% in the chemical sciences.
- More than 46% of Scholars alumni chose to pursue advanced degrees, and half of those reached or are reaching for a Ph.D.
- There are 70 former Scholars confirmed Ph.D.'s. Of those, nine have joined university faculty and 14 are currently in Post-Doc positions.

- Former ACS Scholar Julia James, an undergraduate biochemistry major, was named Rhodes Scholar in 2003.
- Scholars alumni work at companies such as Lockheed Martin, Procter & Gamble, DuPont, Merck, Johnson & Johnson, IBM Research, and ExxonMobil.

Support a student scholarship.
GIVE ONLINE TODAY.

COLUMBUS SECTION ACS CALENDAR OF EVENTS

Year	Month	Date	Day	Location	Comments
2010	September	21	Tue	The Refectory Restaurant and Bistro	Monthly Section meeting with Professor LaShanda T. Korley speaking. See details in this issue of <i>The Chemical Record</i> .
2010	October	17-23	Sun-Sat	Here, There, Everywhere!	 National Chemistry Week: <i>Behind the Scenes with Chemistry!</i>
2010	October	21	Thu	CAS	Monthly Section meeting with Dr. Nancy Jackson, ACS Chair-Elect
2010	October	23	Sat	Here, There, Everywhere!	 6:02 AM – 6:02 PM: International Mole Day , in honor of Avogadro's Number.
2010	October	23	Sat	Columbus Metropolitan Library, Main Branch	Chemistry demonstrations for all ages with COSI on Wheels. Volunteers are needed to assist with the demonstrations; please contact Professor John Blaha , jblaha@cscce.edu , if you are interested.
2010	October	29–31	Fri-Sun	COSI	Festival of Chemistry. See details elsewhere in this issue of <i>The Chemical Record</i> .
2010	November	TBA	TBA	TBA	November Section Meeting.
2010	December	TBA	TBA	TBA	Joint meeting with Columbus Section of AIChE and "New Year's Party" to ring in the <i>International Year of Chemistry</i>
2011	Jan-Dec				 <i>International Year of Chemistry</i> . See details in the March, 2009 issue of <i>The Chemical Record</i> .
2011	March	27-31	Sun-Thu	Anaheim	241 st ACS National Meeting and Exposition
2011	Aug-Sept	8/28-9/1	Sun-Thu	Denver	242 nd ACS National Meeting and Exposition
2012	March	25-29	Sun-Thu	San Diego	243 rd ACS National Meeting and Exposition
2012	August	19-23	Sun-Thu	Philadelphia	244 th ACS National Meeting and Exposition

PHOTOGRAPHS FROM MAY, 2010 SECTION MEETING
By Steven N. Rosenthal



Professor Cowan presented the Columbus Section Award address.



CSA Committee Chair Lewis Hogarth presented the 2010 Columbus Section Award to Professor James A. Cowan.



May 2010 Section meeting attendees enjoyed dinner and Professor Cowan's presentation.



Jimmy celebrated the occasion with the Scottish National beverage!



MOLECULE OF THE MONTH: PROPRANOLOL

Propranolol is an early nonselective beta blocker used primarily to treat high blood pressure, angina pectoris, and other cardiovascular conditions. It was developed in the 1950s by J. W. Black at ICI (now AstraZeneca); he received a share of the 1988 Nobel Prize in physiology or medicine for his work. Of propranolol's two optical isomers, the (S)-enantiomer is the more bioactive.

 [More about this molecule](#) from CAS, the most authoritative and comprehensive source for chemical information.



ACS CAREERS JOB CLUB WEBINAR SERIES
By Kate Sellar, ACS

Whether you are looking for your first job or seeking to advance or transition in your career, ACS Career resources give you a competitive advantage in your job search. ACS Careers offers members like you invaluable resources from one-on-one career consulting, wage and salary information, and dynamic webinars to hone your job search skills. ACS Careers is the job search resource for chemists and scientists at all levels of experience and education. Please join us for the follow informative webinars and Get a Jump on Your Career! SAVE THE DATE:

Title: *Sustainability and You*

Come find out how sustainability is being integrated into today's business strategies; learn what skills will be needed for you to lead and succeed in this environment.

Date/Time: September 14th from 1:00 to 2:30 pm ET. There will be a 1 hour presentation followed by 30 minute Q&A.

Register at: <https://www2.gotomeeting.com/register/749204843>

Guest speakers:

Randi Schoenfelder, Managing Partner Theodolite Human Capital, LLC

Ann Lee-Jeffs, Manager Product Stewardship, Johnson & Johnson

Today's scientists face the challenge of meeting the needs of the present generation without compromising the ability of future generations to meet their own needs.

This innovation-rich approach to scientific discovery will require an understanding and appreciation of strategic thinking and leadership that integrates continual learning with collaboration across knowledge silos and institutions.

Our presenters will share their findings and experiences in integrating sustainability into science-based companies to increase awareness, literacy and action on greener approaches.

You'll learn about industry sustainability programs and strategies, and gain an awareness of the competencies needed to support these strategies. Real life case studies will be shared to demonstrate effective programs that utilize the complete life cycle in creating and distributing greener products.

Title: *Technical and Leadership Skills to Advance Your Sustainability Toolkit*

Advance your career as more companies move to a sustainable business model

Date/Time: October 12th from 1:00 to 2:30 pm ET. There will be a 1 hour presentation followed by 30 minute Q&A.

Register at: <https://www2.gotomeeting.com/register/606241650>

Guest speakers:

Randi Schoenfelder, Managing Partner Theodolite Human Capital, LLC

Ann Lee-Jeffs, Manager Product Stewardship, Johnson & Johnson

ACS careers, in partnership with Theodolite Human Capital, has conducted a comprehensive study to find out what organizations will need to support their sustainability strategies, and what ACS members will need to retool and advance their careers in the new green economy. A unique blend of technical and leadership skills will be needed to market and position you for growth in this environment. Our speakers will share knowledge and findings, and answer your questions around skills needed to grow your career.

Title: *Aligning Your Unique Capabilities with the Goals and Strategies of Companies*

Learn how companies are using Competency Models in their Workforce Planning

Date/Time: November 16th from 1:00 to 2:00 pm ET.

Register at: <https://www2.gotomeeting.com/register/761716626>

Guest speaker:

Randi Schoenfelder, Managing Partner Theodolite Human Capital, LLC

Human Resource professionals have increasingly used the competency based approach in all aspects of HR Management, from recruitment and selection, training and development, succession planning and performance management. Using competency models in selection goes beyond basic knowledge, skills and abilities and incorporates business environment and company strategy. The use of competency models in the selection process enables companies to not only hire good people, but hire the people that will most likely be successful in their company.

Come find out how high performing companies use competency models, and learn how you can best identify competencies in your own background, and convey them to hiring managers and HR professionals.



ABOUT *THE CHEMICAL RECORD*

The Chemical Record, official newsletter of the Columbus Section of the American Chemical Society, Inc., is published monthly, February-May and September-December (eight issues per year.) Opinions expressed by editors or contributors do not necessarily represent the official position of the Columbus Section or of the editorial staff. We welcome your contributions to your *Chemical Record*. Please submit them via postal or electronic mail to **George Greene**, PO Box 360941, Columbus, Ohio 43236-0941, george.greene@abbott.com. Electronic mail contributions should be in MS Word file attachments (preferred) or plain-text messages. When preparing electronic documents, please remember that you are no longer using the old Remington typewriter so you do not need to add a carriage return at the end of each line. *Thank you very much!*

CHANGE OF ADDRESS

Changes in postal or e-mail address should be reported to the Membership Chair, **David Speth**, 614-688-5162, drspeth@sbcglobal.net. David will forward the change-of-address information to ACS Headquarters.

ADVERTISING RATES

Advertising rates for *The Chemical Record* are as follows (per single insertion): Full Page, \$250; Half page, \$150; Quarter Page, \$120; Eighth Page: \$60; Business Card, \$50. Discounts: 5% for four insertions or 10% for eight insertions during a calendar year. There is no charge for "help wanted" ads.

SECTION E-MAIL ROUTING

Please send items for distribution to the Section e-mail list to **Maria Rosenthal** (mrosentha@cas.org). Maria will perform any necessary formatting then she will forward the message to **Robert Bird**, Electronic Communications Coordinator, for distribution. If you would like to be added to the e-mail distribution list, please contact Robert Bird (rbird@cas.org).

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