

COSMEGRAM

NOVEMBER 2019 • VOL 49 | ISSUE 7



society of
cosmetic chemists
CALIFORNIA

EDUCATIONAL HOUR



INNOVATION, NEXT-GENERATION AND DISRUPTIVE TECHNOLOGY IN PERSONAL CARE

Tony O'Lenick
President, Siltech LLC

What if you could add 5% or less of a silicone polymer material to an emulsion or water or oil system and modify the aesthetics of formulas to impart different consumer perceptions of feel, gloss, playtime, cushion and related effects? This could allow for a variety of 'new products' with minimal alteration and reduce both cost & time.

...continued on page 3

DINNER HOUR



INNOVATION, NEXT-GENERATION AND DISRUPTIVE TECHNOLOGY IN PERSONAL CARE

Alex Cripchuck
Independent Product Development and Manufacturing Consultant

Just as easy it is to guess a decade in time by naming a band, a sitcom or an epic movie, so it goes with cosmetic trends –From Shea Butter to Murula Oil, or from Acai to Gogi Berry, one can navigate the seasons and years by naming these “Flavor of the Month” trends.

...continued on page 3

MEETING OVERVIEW

Date: Tuesday - Nov 19th, 2019
Location: Ayers Hotel
Menu: Braised Short Ribs, Honey Dijon Turkey Breast, Vegetable Wellington

5:00 pm: Educational Hour
6:00 pm: Social Hour
6:30 pm: Dinner Hour and Speaker

[Meeting Details on Page 2](#)

RESERVE NOW ▶

Reservation Deadline: 5:00 pm Friday - Nov 15th, 2019
Reservation Link: www.caliscc.org/events

Prices increase after Reservation Deadline
No refunds after Reservation Deadline
Walk-in space is not guaranteed

MEETING DETAILS

LOCATION:

Ayres Hotel
14400 Hindry Avenue
Hawthorne, CA 90250
(310) 536-0400

COSTS:

- Members with reservations (\$40)
- Members without reservations (\$65)
- Non-members with reservations (\$65)
- Non-members without reservations (\$70)
- Emeritus members with reservations (FREE)
- Emeritus members without reservations (\$65)

MENU:

Braised Short Ribs

Syrah Reduction with Bacon Smashed Red Potatoes

Honey Dijon Sliced Turkey Breast

served with Holiday Gravy Dressing and Spinach Mashed Potatoes

Vegetarian Option

Vegetable Wellington

RESERVATIONS:

The reservation pricing deadline is at 5pm on the Friday before the monthly meeting. Non-reservation pricing must be paid after this deadline. Reservations are not refundable after the reservation deadline. Please register and pay online at www.caliscc.org or call Sara Benoit at 714-521-5222 ext.141. Call-in registrations must be guaranteed with credit card and will be charged for no-show.

MEMBERSHIP DUES RENEWAL REMINDER

Please help the Cali SCC Chapter with our Membership Retention Drive! If 85% of our members renew, we will receive an additional \$1000 from the Society of Cosmetic Chemists over our base annual rebate. This could help provide a great speaker or venue for one of our 2020 meetings. Even better, if we retain 95% of our members, we will receive a FREE chapter Continuing Education Course to offer to our members!

Remember that your dues for 2020 should be paid by December 31, 2019 or you should resign your membership to avoid a \$25 late fee. If you do not resign and don't pay until the first notice is sent to you in 2020, there will be a \$50 reinstatement fee. This cost only covers you for the year that you pay.

If your company has a group of five or more members, you can contact Colleen Daddino, Manager of Membership and Chapter Relations, cdaddino@scconline.org, for a group invoice. You may pay online or mail a check. To pay online go to www.scconline.org. Login using your email address. If you have not changed the password before, the default password is your first and last name initials (capitalized) followed by your membership number.

EDUCATIONAL HOUR ...continued from page 1

A paper was published in Asia Pacific Personal Care last year that discussed this concept: Minimally Disruptive Formulation (MDF), an approach to formulation that allows for a high degree of efficiency by setting platforms that are varied by addition of low concentration of specific polymers that provide major changes to the formulation. Mr O'Lenick, a respected expert in silicone and surfactant chemistry and former National SCC President will discuss this concept, show product samples with and without these materials and explain how this approach can fast-forward product development.

In addition, Tony will review upcoming regulatory proposals in the EU by the ECHA (European Chemicals Agency) that would severely restrict the use of cyclic silicones like D4, D5 and D6 to very low levels of less than 0.1% and what options and alternatives formulators have at their disposal. The SEAC (Committee for Socio-Economic Analysis) will adopt its final opinion on the above issue January 2020 following feedback and their draft proposal. The European Commission will decide around April 2020 when the REACH committee will vote. The restrictions will commence in the second half of 2020 and, as of now, provide for a 2 year transitional period for all but leave-on products which will have a 5 year transition. Inasmuch as cyclic silicones are still widely used both in some raw materials and finished products, this change will be of great interest to the personal care industry globally and should be understood.

ABOUT THE SPEAKER



Tony O'Lenick is President of Siltech LLC. in Lawrenceville, Ga., a company he co-founded in 1989. Siltech is a silicone specialty company. Prior to that he held technical and executive positions at various surfactant and specialty chemicals companies including; Lambert Technologies, Alkaryl Chemicals Inc, Henkel Corporation and Monal Industries. He has been involved in the surfactant and silicone industry for over 35 years.

Tony has written 5 books in various aspects of surfactant, silicone and organic chemistry, also published over 70 technical articles in trade journals, contributed chapters to six books, and is the inventor on over 300 patents. He teaches a course in silicone chemistry, surfactant chemistry and patent law. He has received a number of awards for work including the 1996 Samuel Rosen Award given by the American Oil Chemists' Society, the 1997 Innovative Use of Fatty Acids Award given by the Soap and Detergents Association, and the Partnership to The Personal Care Award given by the Advanced Technology Group. Tony is a fellow in the Society of Cosmetic Chemists, and in the American Institute of Chemists. Tony was a member of several committees in SCC including the Committee on Scientific Affairs, the Continuing Education Committee, and has served the SCC National as Treasurer, Vice President Elect, Vice President and is 2015 National President.

DINNER HOUR ...continued from page 1

In this fun, interactive session Alex will drive home the truth about what some companies call innovation using the approach of sensible education. Young chemists will also be encouraged to look at Innovation, Next Generation and true Discovery as a real opportunity to bring value to the stakeholders at the companies that they work for, as well as be challenged to think outside the box when it comes to cosmetic chemistry.

Alex will encourage first time attendees to join the SCC for continued exposure to new ideas and further education.

Alex will draw one lucky chemist's name to be the sponsored recipient of a free first year membership fee in the SCC paid by PakLab.

ABOUT THE SPEAKER



With over 20 years in business development, Alex's experience comes from the 360 degree perspective acquired from his unique position as an Independent Product Development and Manufacturing consultant for Universal Packaging Systems from 1994 until 2012, as well as many other Contract Manufacturing labs in the

US, Latin America and Europe.

Alex also owned his own custom formulations lab, and created and launched his own Anti aging line, Beyond Skin Science, which had its debut on the Oprah Winfrey show in 2005 and sold on the internet for five consecutive years. Beyond Skin Science was the first line in the US formulated using an LCNE (liquid crystal nanoemulsion) chassis, and he credits two of his dear friends in the industry with their support in developing this cutting edge technology: Dan Roman and John Luna.

His work can be associated to the areas of design, formulation and manufacturing of many major US and International brands, spanning diverse channels like infomercials, shop-tv, mass market, professional and luxury brands. Alex's profound interest has always been in disruptive innovation using next-step technologies, and he loves participating in new concept creation roundtables.

He is a past president of Beauty Industry West, past Secretary of SCC California, and loves writing articles for Cosmetic industry publications. Alex has also served as a lecturer at the Fashion Institute of Design and Merchandising in Los Angeles, California, as well as the Cosmoprof Show in Las Vegas. From 2010 to 2014, Alex was a regular guest speaker at the IMF (International Manufacturers Forum) at Professional Beauty UK, held every year in London.

His independent consultancy ceased in early 2012 when Alex took on a full time position as "the face of Universal Packaging Systems" in order to maintain customer relations with key accounts during the early challenges following their acquisition, and came up with a plan to build their new image under their new name, PakLab.

Thanks to his out-of-the-box thinking, PakLab became the new paradigm in CMO's redefining the turnkey concept of full service, with the consolidation of all of their core competencies into a marketable unit called element4 Skin Science Studio. Element4 combines R&D Innovation with Packaging Engineering, Graphic Design and Technical Services in addition to full scale manufacturing and logistics, all under one roof.

In 2015 Alex co-founded the Amazonian Alliance, a B Corp dedicated to the protection and sustainable commercialization of Timber-Free rain forest ingredients.

Alex Cripchuck has been married for 35 years, lives in Southern California, is involved in global humanitarian missions and speaks five languages.

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VIEW/ADD EMPLOYMENT LISTINGS ▶



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Companies interested in providing in-depth technical information to their employees can contract an education day in a location of their choosing.

- ▶ **SOCIETY** covers the costs of booking the instructor and all of the instructor's traveling expenses (including hotel, flight, car, etc.)
- ▶ **COURSES** can be scheduled for 1 or 2 days on any topic of particular interest to the company
- ▶ **COMPANIES** can choose the instructor if they seek a specific knowledge expert

Current courses available include:

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Color	Molecular Biology & Gene Expression	Color & Make-Up
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Cosmetic Formulations	cGMPS For Cosmetics and Otc's	Cosmetic Raw Materials
Regulatory Update	Practical Basic & Theory in Emulsion Technology	Fragrance as A Science
Beginning Cosmetic Chemistry	Cosmetic Chemists Guide to Product Development	Silicone Chemistry
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To reserve a course for your team,
contact Sam Neely at sneely@scconline.org

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CALI SCC MONTHLY MEETING : SEPTEMBER 2019



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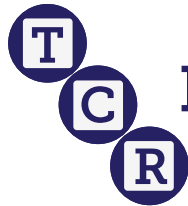
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HISTORIAN ARTICLE

HISTORY IN THE MAKING

The Society of Cosmetic Chemists boasts itself on “furthering the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry.” Dedicated to the advancement of cosmetic science, the Society strives to deliver scientific information through meetings, publications and of course... Suppliers Day!

Kendall Johnson



To date, California Society of Cosmetic Chemists Suppliers' Day serves as one of the most important North American events of the year, with more than 300+ global Cosmetic and Personal Industry leaders. This two-day event consists of a wide array of industries showcasing their most advanced material from innovative ingredients to testing solutions, but Suppliers' Day was not always an extravagant affair.

The year is 1991. With only 80 table top exhibits, Proud Bird restaurant hosted this very early exhibition of Suppliers' Day in Los Angeles, CA with dinner after the one-day show. Brad Rope was the Suppliers' Day Chairperson and with a team of two, Angie Inouye and Linda Garcia, they grew the show in 90's. The show quickly outgrew Proud Bird and in 1999 moved to a much larger LAX hotel. Growing pains quickly commenced this year when one month before the event, Suppliers' Day staff was notified the conference room was being torn down and renovated into a parking lot. The show must go on! The event was moved to the Pasadena Convention Center.

The Pasadena Convention Center was an event in its own. The shows quickly outgrew the space and had exhibitors overflowing leaving them to showcase in the foyer to the exhibit hall. One year a supplier took it to the extreme and hired Evil Kenevil to sign autographs and bring attention to their booth. The Fire Marshall of the Pasadena Convention Center and was in an uproar about the crowds compacting the area (this is putting it lightly)...

In 2001, California Suppliers' Day was moved to where we all know and love, the Long Beach Convention Center. By now, the show had outgrown its one-day shindig and advanced to a two-day show to accommodate crowds. The biennial event balances itself with the Southwest Chapters Suppliers' Day. As our vast industry continues to grow, so does California's show, and the cost-effective exhibition allows any size exhibitor, large or small to participate. Hundreds of attendees come to see new suppliers, technology and innovation ranging from all types of vendors compliant to our industry needs. In addition to providing a glimpse into our realm and free education and regulatory conferences, Suppliers' Day helps support California Society of Cosmetic Chemists chapter to offer affordable scientific conferences and informative speakers at our monthly meetings throughout the year.

I would like to thank Liz Streland and Angie Inouye for helping me compile information for this article and giving me insight to what has made Suppliers' Day what it is today.



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NEW MEMBER SPOTLIGHT

JULIE CUSHEN : HEAD OF FORMULATIONS, CORAL LABS

INTERVIEW:

1) Where is your hometown?

Winchester, VA

2) Where did you do your university studies? What was your major and why did you pick that field? Why did you choose to do a PhD?

I earned a B.S. in Chemistry and Chemical Engineering from Virginia Tech and a Ph.D. in Chemical Engineering from the University of Texas at Austin. In high school, chemistry was my favorite class and though I didn't even understand what engineering was at the time, I had an older friend that advised me that I should major in chemical engineering since I had excelled in math in addition to chemistry. I really liked chemical engineering in undergrad but wasn't thrilled with the career prospects after doing a few summer internships. Though unsure I would enjoy research, I went into a Ph.D. with an open mind and realized from the experience that R&D and product development is my true passion.

3) How did you get into the personal care/cosmetics industry?

I have always been interested in the personal care/cosmetics industry but had never come across a role that suited my professional expertise. The exciting part about living in the Bay Area is that there are so many different ideas and startups popping up and you never know who you're going to meet that might connect you to something exciting that's going on. I was connected to the co-founder of the startup I'm currently at and jumped at the opportunity to use my expertise to develop a tech product designed specifically for women that I'm personally very passionate about.

4) How long have you been in the personal care industry?

I've been working in this industry for 5 months now.

5) Where do you currently work? What's your role?

I am currently working at Coral Labs, a beauty tech startup working on a nailcare device. I am the Head of Formulation, designing the nail polish and various material components for our device.

6) What's your biggest career accomplishment to date?

My most visible career accomplishment to date was leading the R&D of a new 3D printing resin that is now manufactured and sold on an industrial scale.

7) What is your favorite part of your current job?

We have the best team at Coral. I get to work with a very talented team of engineers across disciplines and they never cease to amaze me. We are confronted daily with some daunting challenges and I'm constantly impressed with the ingenuity and innovation that comes from the team.

8) What is your least favorite part of your job?

Working at a startup can be stressful. Being so committed to the outcome of a company or project can be conducive to worry and overwork if you don't set good boundaries around your personal life and wellbeing.

9) It's almost the holiday season! What winter activity or event are you looking forward to?

My boyfriend and I have a holiday tradition of skiing in Tahoe over the holidays, which I'm really looking forward to!

10) What your favorite non-work-related activity?

I'm a competitive track cyclist so I'm frequently riding my bike around the bay area and beyond.

11) What is the most interesting place you've ever been?

For someone who enjoys a wide variety of outdoor activities, New Zealand was a really fun country to explore. From mountain biking to scuba diving to glowworm cave exploring, there was a lot to see.

12) Give us one random fact about yourself.

My legal name is Julia but I go by Julie. This sometimes creates confusion!

13) What advice would you give young scientists entering the personal care industry? Is there something you wish you had known when you were starting out?

Failure is not a reflection of competence in R&D – it's the response that matters. In fact, failing is usually inevitable so I think the best advice is to fail fast. Every time you have an incorrect hypothesis you are figuring out what doesn't work and the faster you can cycle through the incorrect ideas the faster you get to the right answer. The more you fear failure or attach to your ideas, the longer and more painful the process of getting to the right answer takes.

Starting out, I wish I had had a bit more confidence in my abilities. Especially in graduate school, there weren't many examples of other women in my field and I think that had an impact on my perceptions of where I fit and what my capabilities were. I would advise young scientists to seek out mentors and ask for help or advice when you need it. This does not need to be formal but can be as simple as cultivating a mentorship with a more seasoned professional that you hope to emulate and learn as much as you can from them.



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REGULATORY UPDATE

by Dan Kolhoff

Here's what's happening around the country and state that may affect your current products and the future products you develop.

In New York there is legislation (AB 6295 / SB 4389) that is waiting for the governor to sign or veto regarding 1,4-Dioxane in personal care and cleaning products. The bill limits 1,4-Dioxane in Shampoos, Conditioners, Bath Gels, (rinse of cosmetic products) to 2ppm by Dec. 31, 2022. Then 1ppm by Dec. 31, 2023. As of the writing of this article the bill is still awaiting the governor's signature to become law. The governor has until the end of the year to sign or veto. No indication on what will happen, so it is important to keep an eye on this bill.

In California there is also action by the DTSC Safer Consumer Products Program on 1,4-Dioxane. The department is reviewing 1,4-Dioxane in Personal Care and Household Cleaning Products. They held meetings this summer where they proposed a 1ppm level of 1,4-Dioxane as the threshold for doing an Alternative Analysis. If a company is required to go through an Alternative Analysis process, each product that the company has would undergo a separate review which is public and could require testing as well as other backup documentation. Nothing was decided by the agency at the meeting. It is expected that they will have future meetings on 1,4-Dioxane later this year or early next year.


The California Air Resources Board (CARB) is also looking at new regulations on consumer products. After compiling the information on the consumer products survey from 2013-2015, they are now looking at adjusting VOC limits on personal care products. In particular, they are looking at lowering the VOC percent in Hair Finishing Sprays and creating a VOC limit in Dry Shampoos. On Nov. 7, 2019 CARB will have another meeting to discuss regulating additional categories of consumer product as well as covering its long term plan to reduce VOC emissions.

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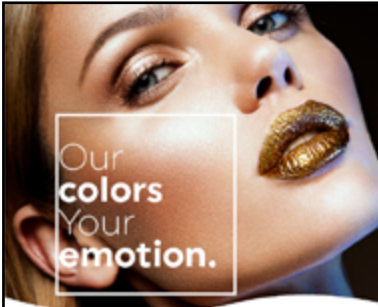
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- 1) L. E. Gaul and G. B. Underwood, Relation of dew point and barometric pressure to chapping of normal skin,). *J. Invest Dermatol*, 19, 9-19 (1952).

Book references are handled similarly and should include pertinent page numbers:

- 1) S. Rothman, *Physiology and Biochemistry of the Skin* (The University of Chicago Press, Chicago, 1954), pp. 494-560.

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- 1) S. D. Gershon, M. A. Goldberg, and M. M. Rieger, “Permanent Waving,” in *Cosmetics, Science and Technology*, 2nd ed., M. S. Balsam and E. Sagarin. Eds. (Wiley Interscience, New York, 1972), Vol. 2, pp. 167-250.

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The California Chapter of SCC is a nonprofit membership organization with a focus on furthering the interests and recognition of cosmetic scientists while maintaining the confidence of the public in the cosmetic and toiletries industry. By joining the Society, members can take advantage of many opportunities to learn, educate, and network with their peers. There are different levels of membership (see below for descriptions). We encourage you to find the one that is right for you.



BENEFITS OF BECOMING A MEMBER

- Discounted rates to all California and National SCC functions
- California Chapter newsletter (Cosmegram) mailed and emailed, published 8 times per year
- Subscription to the Journal of Cosmetic Science, the National Society publication, published 6 times per year
- Updates on the newest technology
- Scientific Seminars
- Suppliers Day
- Networking
- Member discounts to IFSCC Conferences and Congresses

TYPES OF MEMBERSHIPS

General Membership - General Membership is available to persons engaged in scientific or technical work in the cosmetics and toiletries industry or in related governmental or academic areas, who have earned a Bachelor's Degree in the chemical, physical, medical, pharmaceutical, biological or related sciences and technology. In addition, those working in a technical capacity within the industry for at least five years, who have completed two years in a recognized related academic program are eligible, as those who may lack sufficient academic background, but who have worked in a technical capacity in the cosmetic science industry for at least ten years.

National Affiliation - Available to persons interested in the objectives of the Society, but not qualified for General Membership. National Affiliates are entitled to all membership privileges, except that they may not vote or hold elected office within the Society or its Chapters.

Junior Membership - Available to persons who hold an appropriate undergraduate degree in science and who are pursuing a post graduate degree. Junior Members are entitled to all membership privileges, except that they may not vote or hold elected office within the Society or its Chapters. Half dues.

Student Membership - Available to fully matriculated undergraduate students in a scientific program at recognized colleges and universities. Student members are entitled to all membership privileges, except that they may not vote or hold elected office within the Society or its Chapters. Reduced dues.

Emeritus Membership - Any member who has reached the age of 65 years and who has been a dues paying member in good standing for 25 consecutive years may request to be nominated for transfer to Emeritus Membership status. Upon approval by the Board of Directors, such members shall be entitled to all privileges of a General Member for life, with exemption from payment of dues, except that they are not eligible for election as an Officer or Director within the Society.

Retired Membership - Any member who has retired from the cosmetic industry and is over 55 years of age, and has been a dues paying member in good standing for 15 years, may apply for Retired Membership status. Upon acceptance, Retired members are entitled to all privileges of a General Member, except that they may not hold elected office within the Society or its Chapters. Half dues.

Fellow Membership - General members who have achieved full maturity in the profession, as evidenced by a record of outstanding achievement and leadership may be elected a Fellow of the Society by the Board of Directors upon recommendation by the Fellow Certification Committee.

Honorary Membership - Granted by the Board of Directors to individuals for distinguished service to the Industry.

HOW TO BECOME AN SCC MEMBER?

Apply Online at www.sconline.org

- Or -

Download [Membership Application](#) and complete and submit to the National SCC office (address and fax on the application). Please contact [Tina Marie Lesko](#), Membership Chair, if you would like more information about becoming an SCC member.

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