# Society of Cosmetic Chemist

Carolina Chapter



Society of Cosmetic Chemists Carolina Chapter

April, 2016 Volume 106

### CCSCC Announces Naturally Kiawah Symposium April 20-22, 2016

#### **PLACE:**

KIAWAH ISLAND, SC

#### COST:

FOR REGISTRATION COST, PLEASE VISIT OUR WEBSITE AT WWW.CAROLINASCC.ORG

#### PROGRAM:

APRIL 20- CEP COURSE APRIL 20 EVENING- COCKTAIL RECEPTION & SUPPLIER SHOWCASE AT TURTLE POINT COUNTRY CLUB APRIL 21- FULL DAY TECHINAL SEMINAR APRIL 22- ANNUAL GOLF OUTING AT COURGAR POINT/ SPA

### Naturally Kiawah Symposium

Kiawah Island, SC April 20 - 22, 2016

Special Events April 20-CEPCourses

April 20 Evening - Cocktail Reception & Supplier Showcase at Turtle Point Country Club

April 21 - Full Day Technical Seminar

April 22 - Annual Golf Outing at Cougar Point Spa Treatment at the Sanctuary

#### FOR ADDITIONAL INFORMATION

Michelle Linscott - michelle@xytrus.com Maureen Danaher - mdanaher@ActiveConceptsllc.com

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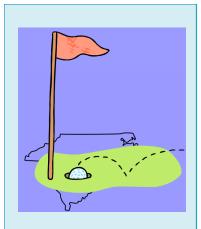
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#### INSIDE THIS ISSUE



#### **TOPICS & SPEAKERS**

### **Key Note Speakers**

<u>Dr. Howard Epstein</u>: Plant Wisdom: Understanding the Common Biochemical Language of People and Plants

Chris Koestline: ECOCERT, COSMOS, and the Next Five Years

Robert Johnson: Personal Care Wipes in North America

#### **Topics**

- Seed to Systems: Sustainable Soluble Protein by Geoffrey Brooks
- Green Rating for Compounds and Formulations by Tony O'Lenick
- 100% Natural and Eco-Friendly Fatty Acid Esters Offering Proven Skin Benefits to Formulate Sensory Skincare Products by Alexandra Jeanneau
- Natural Alternatives to Cosmetic Preservation by Chris Johnson
- Effects of Chaulmoogra Oil on the Skin by Fred Burmeister
- Formulating for Efficacy in a Natural Way by Mark Chandler
- Reducing Carbon Footprints in Cosmetic Manufacturing and Processing Cost without Compromising Product Quality by <u>Dr. Joe Lin</u>
- Innovations in Natural Fragrances and Personal Care by
- Jack Corley
- Improving the Efficiency of Sunscreens Using a SPF Performance Booster Derived from a Natural Polymer <u>by Craig Ford</u>

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#### LETTER FROM THE CHAIR

Dear Chapter Members,

Happy Spring! We have been busy planning and are very excited for the upcoming Naturally Kiawah event that is happening this month. I hope you are looking forward to it too! First, to recap on the year thus far, our opening meeting was held at Forty Six in Kannapolis, NC this past February. Fatheih "Tia" Alkazaz, Technical Marketing Associate from Active Micro Technologies, presented about "Natural Antimicrobials as Dermal Probiotics: Understanding the Role of Skin Microflora in Cosmetic Formulation." We also enjoyed a delicious dinner surrounded by science-themed quotes stenciled on the walls throughout the XX and XY dining rooms. This was one of the best turnouts we've had at our technical meetings thus far (with over 30 participants in attendance) so

"The bi-annual Naturally Kiawah event (established in 2006) has quickly become a premier event in the SCC that we are extremely proud of."

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thank you to all who came out and enjoyed Tia's talk! The dates, locations, and speaker info for the remaining events this year, including our Natural Kiawah Symposium, may be found later in this newsletter. The bi-annual Naturally Kiawah event (established in 2006) has quickly become a premier event in the SCC that we are extremely proud of. I believe the reason for this is two-fold. First, the theme is centered on the driving factor of the 'Next Generation' of cosmetic science, reflecting green, natural and sustainable in the areas of raw materials, technology and finished products. Second, the venue of Kiawah Island Resort is extraordinary, with the beautiful shoreline and natural setting along with being the home of several top rated golf courses in America and home of the renowned Sanctuary Spa. We have twelve speakers participating, including an exciting CEP course taught by Howard Epstein. The full list of presenters and topics can be found on the Carolina SCC website (www.carolinascc.org). We are hoping for a record attendance year! If you haven't done so already, please mark your calendars and finalize your travel plans to attend April 20th -22nd . We look forward to seeing you there!

Thank you for your support,

Maureen Danaher

2016 Carolina Chapter Chair



# Thank You Sponsors!



**SILVER** 



### **BRONZE**



#### MEET THE KEYNOTE SPEAKERS



Dr. Howard Epstein is Director of Technical Services for EMD Performance Materials Corporation, Philadelphia, PA., an affiliate of Merck KGaA, Darmstadt, Germany. He was a scholar in residence at the University of Cincinnati department of dermatology and received his Ph.D. in Pharmacognasy from the Union Institute & University in Cincinnati, Ohio during that time. He has been in the cosmetics industry for many years since he began his career formulating cosmetics for Estee Lauder, Maybelline, Max Factor, Bausch & Lomb and Kao Brands. In addition to his interest in botanicals Howard recently served as

Editor of the Journal of the Society of Cosmetic Science and is a member of the International Academy of Dermatology. He is on the editorial board of the dermatological journals Clinics in Dermatology and SKINmed representing the cosmetics industry to dermatologists. Howard has authored chapters in various cosmetic technology textbooks, holds eight patents and two patent applications.

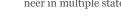


Rob Johnson has more than 26 years of experience in the nonwovens industry and is a well-known speaker and conference moderator. Johnson's industry tenure started in air laid nonwovens research with Scott Paper; he then transferred to Scott Nonwovens (now PGI Nonwovens) where he held a number of equipment, process, product development, and research assignments prior to promotion to Director of Research and Development. In 1993, Johnson shifted his responsibilities into marketing, sales and business develop-

ment as Director of New Business Development with PGI Nonwovens.

Throughout his career, Johnson has been involved with technology assessment, materials development, strategic planning, and competitive intelligence; he has traveled extensively to consult with customers and internal clients as well as to investigate new market and technology opportunities. Johnson holds B.S. and M.S. degrees in Mechanical Engineer-

ing from Virginia Tech and is a registered professional engineer in multiple states.





Chris Koestline has over 10 years of experience in the cosmetics industry and is currently the sole Eco-Products Certification Officer for ECOCERT based in the United States. Educated in London (England) with a double major in Biochemistry & Physiology, Chris has become a leading regulatory expert for COSMOS and ECOCERT-based certification standards. Heading the business development of the cosmetic department within the American subsidiary, Chris enjoys establishing and maintaining relationships with clients in order to

grow the natural and organic market. Chris' career portfolio also includes project management and a leadership role as a Green Committee Chairman. As a qualified inspector for COSMOS, ECOCERT, and the USDA National Organic Program, Chris has performed more than 175 inspections for food producers, cosmetics manufacturers, and farming operations.







### Meet the Speakers



Thought leader and personal care industry expert Geoffrey Brooks has seen cosmetic science evolve dramatically over the years. With over five decades of cosmetic science, ingredient innovation and formulation time on the bench, Geoffrey's knowledge is radically different than it was when he started out in 1966 as a development chemist. As co-founder of Brooks Industries Inc., a cosmetic specialty ingredient business (later sold to Arch Chemicals) Geoffrey Brooks developed the initial ingredient portfolio and the successful marketing of several pioneer anti-aging ingredients and technologies. He was always looking at means to transfer safe, effective technologies from other industries specifically ingredients that were natural, eco-friendly and sustainable into person-

al care. Today he continues to evaluate sustainable, eco-friendly, anti-aging ingredients and native proteins within the nutritional & personal care industry.



Tony O'Lenick is President of Siltech LLC. in Lawrenceville, Ga., a company he cofounded 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; Lambent Technologies, Alkaril Chemicals Inc, Henkel Corporation and Mona 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 chemis-

try, 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.



Alexandra Jeanneau got a Master in plant biology and physiology at the University of Pierre &Marie Curie in Paris. Within this context, she carried out and published a research work on the laccase of Pycnoporus cinnabarinus. In 2007 she joined the Alban Muller Group to develop the A.M.I. Encyclopedia of plants for Cosmetics, Phytotherapy and Food. Specialized in naturals, Alban Muller Group is the ecoresponsible partner of beauty and health industries. The Group follows a global sustainable approach, in the respect of man and the environment, from the seed to the finished product. In 2009 she was in charge of the technical and regulatory information and also a support of the sale

team. Since the end of 2012 she is specialized in scientific communication of the Alban Muller Group and has given technical presentations on products. She has written and made presentations and provides technical training and support to internal personnel.



Chris Johnson began his Personal Care career in 1996 as Microbiologist for Brooks Industries/Arch Personal Care Products. He entered Technical Marketing in 1998 where he later served as Marketing Manager of Europe. In 2003, Chris founded Kinetik Technologies, a national distributor of specialty raw materials for Natural Personal Care. Chris earned his BS in Biology from Rowan University (Glassboro, NJ) while simultaneously achieving certification to teach the Biological Sciences.



### Meet the Speakers



Fred Burmeister, President, Two River Consulting, Inc.

Education: B.Sc. in Chemistry from Rutgers University - 1972

1968-1984: Various product development and management positions at:

Avon Products, The Wella Corporation, The Gillette Company, Revlon, Estee Lauder,

Matrix Essentials, and Georgette Klinger Laboratories.

1984-1997: Technical Director at Tri-K Industries and at Brooks Industries.

Focusing on development and support of unique raw materials and assisting marketing and sales on product technology including intellectual property, corporate presentations, and SCC Chapter and National Meeting presentations.

1987-Present: President of Two River Consulting.

Initially formed to assist Brooks industries in the promotion of their raw materials and to assist their customers in projects, Two River Consulting became an independent consulting firm following the acquisition of Brooks Industries by Arch Personal Care; concentrating on the development of retail skin care, professional hair care and thinning hair products, as well as all aspects of product development, from initial concept to manufacturing.

Two River Consulting continues to assist various suppliers in areas of "interesting" technologies and holds several patents related to cosmetic technologies.



Mark Chandler is President of ACT Solutions Corp (Adaptive Cosmetic Technology Solutions), a formulation design consultancy founded in 2012, serving the cosmetic and topical pharmaceutical industries, focusing on Adaptive Aesthetic Design™, Advanced Emulsion Solutions™, and Formulating for Efficacy™, with formulation laboratories in Delaware and Ohio. Mark has been in the industry for over 30 years, most recently serving as skin care applications manager for Croda Inc. He has roles in Sales, Marketing, Strategic Planning and Acquisitions, and Research and Development. Mark has taught courses for the Society of Cosmetic Chemists (SCC) on Cosmetic Formulation, Cosmetic

Raw Materials, Liquid Foundation Emulsions and Low Energy Emulsification for over 15 years. Mark also is a Prestige Clinical Instructor in the Cosmetic Science and Formulation Design program at the University of Toledo – College of Pharmacy and Pharmaceutical Sciences. He was awarded Fellow status by the SCC in 2014. Mark has presented technology throughout the United States and in over a dozen other countries on five continents, published numerous articles, book chapters, and has been granted 3 patents.



Dr. Joe Lin is a Fellow and Emeritus member of SCC. He graduated from the Univ. of California, Berkeley, majoring in Chemical Engineering. After working for Beauty Counselors, Inc. and Rohm & Haas Co., he joined Max Factor's Hollywood R&D as Head of the Emulsion Laboratory in 1965. He has been working as a consultant for over 40 years, specializing in emulsion technology and process engineering. He has presented many papers at scientific meetings and received two awards for his presentations at IFSCC Congresses in 1974 (London) and 1978 (Sydney). He also received the

IFF Award, Literature Award from SCC. In 2001, he received SCC's highest honor, the Maison deNavarre Medal Award, in recognition of his contributions to scientific research. His book, "Manufacturing Cosmetic Emulsions: Pragmatic Troubleshooting and Energy Conservation" was published by Allured Publishing in 2010.



# Meet the Speakers



Jack Corley is President of Custom Essence Inc.'s recently created Natural Fragrances Division. Prior to joining Custom Essence, Mr. Corley was Vice-President and Director of Sales and Marketing for Symrise, managing the PureScent division and brand. Custom Essence continues to expand its Natural Fragrance creative and manufacturing activities in order to support the growing natural personal care sector. Natural Fragrances are used by Natural Cosmetic and Personal Care Companies to impart and improve Fragrance in a variety of Personal Care applications.

Mr. Corley has been retained by some of the largest Fragrance and Flavor Companies in the world, advising them on natural and organic product/market development, natural and organic ingredient sourcing and natural/organic product formulation, labeling and regulatory issues. Mr. Corley has 35 years' experience in the Fragrance and Flavor Industry, including 21 years with International Flavors and Fragrances. His career during this

time has included Senior Management positions in both Sales and Purchasing, with a background heavily oriented towards Natural Ingredients. He has written numerous articles related to personal care subjects over the years and is a featured speaker at Fragrance and Personal Care events and seminars as well. In addition, he is member of the Natural Product Association Personal Care and Home Care Standards Committees; and a Joint Committee member of the NSF-305 task force. Mr. Corley is a member of the Board of Directors for the Center for Vocational Rehabilitation, Monmouth County, NJ. Additionally, Mr. Corley is as an Adjunct Professor of Business at Monmouth University, in West Long Branch, NJ for the past 12 years. Mr. Corley holds both a BBA and an MBA from Baruch College, is a former Associate Professor of Business at St. John's University, New York.



Craig Ford is the National Sales Manager with Amcol Health & Beauty Solution's, a Minerals Technologies Company, where he is responsible for leading Promotion and Sales of specialized ingredients for the personal care market. Craig worked with Dow Chemical for 15 years in Technical Services, Technical Sales and Distribution Management for the Dow HPC. Most recently, he managed the Home and Personal Care business for Callahan Chemical, a regional distributor, focusing on new technologies and applications. He has experience with a wide variety of technologies including delivery systems, rheology modifiers, sun care, surfactants, emulsifiers, silicones, etc. Mr. Ford holds a Bachelor's degree in Environmental Engineering from Norwich University, Military College of Vermont, and

has done MBA coursework at the University of Massachusetts, Lowell. After serving as a Naval Flight Officer (Active and Reserve) he retired with 23 years total service.







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what is precious to you?







# New CEP Course for 2016! NEXTGEN TO BRIDGE THE GAP ACROSS PROFESSIONAL LEVELS

Last year the society introduced a critical initiative, SCC NextGen, that will offer the necessary skills and training needed for career advancement. NextGen was designed to help young professionals (with less than 5 years of industry experience) and students further their education, so that they may attain successful and rewarding careers. NextGen will provide



registrants with the confidence to enter the workforce knowing that their education and training are aligned with workforce needs and that they have the support of fellow colleagues. The society plans to accomplish this mission by...

- 1. Presenting critical Education tracks at meetings and events (eg. Critical Thinking & Innovation, Basic Cosmetic Science, Introduction to Polymer Science and Its Applications).
- 2. Networking at national meetings and events.
- 3. Coordinating small group projects where Mentees and Mentors engage in a technical area of shared interest. The goal for the Mentee is to present a paper or organize a workshop in the second year of program.

Collaborating with universities to supplement the education of their students. All colleges/universities participating in the NextGen program are eligible to provide students with their first year of membership for free.

Please contact the SCC National office at <a href="mailto:scc@scconline.org">scc@scconline.org</a> or call (212) 668-1500 for more information on how you or your university can get involved. All are welcome and encouraged to join!

Our official launch will take place April 20-22, 2016 at the Carolina Chapter, Naturally Kiawah.

Course: SCC NextGen 101

Instructor: Mark Chandler; ACT Solutions Corp.

SCC NextGen is a new series of courses designed for those who are new to the cosmetic industry as well as those who are more seasoned but who would like to expand his or her knowledge of the basic concepts underlying the technology of the personal care industry. The NextGen 101 CEP Course will present in a one-day course a basic overview the basics of hair care, sun care, skin care and much more.

This course is intended to enable the attendee to navigate additional SCC courses of interest for subsequent CEP courses.

#### CEP Course: SCC NextGen 101

SurfaTech is Sponsoring the NextGen 101 CEP Course

The first 15 people to register for the NextGen 101 course on 4/20 in conjunction with our Naturally Kiawah event will attend for **FREE!** 



CEP Course: SCC NextGen 101

Instructor: Mark Chandler; ACT Solutions Corp.

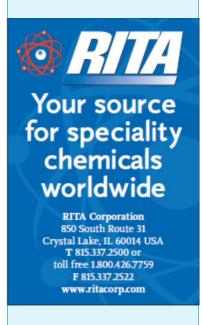
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This course is intended to enable the attendee to navigate additional SCC courses of interest for subsequent CEP courses. The course will be broken into the following four parts:

- Cleanser Technology-Being Clean and Liking It (Making Micelles Work for You)
- Emulsion Technology-Making Oil and Water Peacefully Coexist (In Many and Varied Ways)
- Raw Materials-With What Do I Have to Work (and from Whom Can I Find It)
- Formulation Strategies-Doing New and Different and Better (and Faster)







# CEP Course: Molecular Biology, Gene Expression for the Cosmetic Chemists

Instructor: Howard Epstein, Ph.D.; EMD Performance Materials

#### Abstract:

There is a history of the use of folk medicine on every continent. The doctor/priest/shaman/medicine man was very powerful and influential in the community. Throughout time medicine, religion and botanicals have been closely integrated in many societies. Today the relationship between people and plants remains just as intimate as it was in the past. This relationship is evidenced in contemporary folklore and remains incorporated in the religious practice of all major religions.

There are numerous explanations for the strong spiritual bond between plants and humans. Perhaps the most significant connection is the common language we share. We know this language as gene expression, not so much a spoken language, rather a language of molecular cell biology. Gene expression techniques developed during the past twenty years are used to understand the complex biological process that enables a plant to defend itself against aggressive attack from insects, harsh weather and plant eating animals. Similar techniques are used to study gene expression in humans. From these studies we discover that the process of communication for both plants and people is through amino acids and proteins that regulate the biological activity of plants and people, and in this way facilitating interaction with our mutual environment. While the protein structure between humans and plants may differ, there is a common thread that explains the mechanism of how actives in a plant are synthesized and then how they benefit people.

Transcription and translation describe two important events common in the gene expression of plants and humans. Studies investigating these two events provide insight regarding the medicinal benefits of ST. John's Wort, the ability of soy isoflavone to lower human lipid levels, and explain how the most potent antioxidant botanicals may not be the most effective for people.

This presentation will explain the basics of gene transcription and translation compare the common language used by plants and humans. Specific examples applicable to skin care and human health will be presented.

### Upcoming Meeting Information:

April 20th - 22nd - Naturally Kiawah Symposium/CEP Course (Kiawah Island Golf Resort). The schedule of events, speakers and topics may all be found throughout this newsletter and on the www.carolinascc.org website. Any questions, please let us know!

August 4th – Technical Meeting in Durham, NC (Marriott Downtown). Tiffany Oliphant MS, CCRC CTL / Clinical Services Manager from Floratech will be presenting on "Hydrolyzed Jojoba Esters: A Natural Multifunctional Emollient". Please keep an eye out for more information to come!

November 17th — Technical Meeting/Officer Installation in Charlotte, NC (The Palisades Country Club). We plan to have multiple speakers at this event to wrap-up the year, including Mike Mollman, Nutrition & Care Chemist at Chemist Evonik Goldschmidt Corporation who will be presenting on Tattoo Care. This meeting is actually on his birthday so celebrations will certainly be in order! More information to come.



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### SAVE THE DATES:

### 2016 Meeting Dates

April 20th - 22nd — Naturally Kiawah Symposium

April 20th - CEP Course

August 4th — Technical Meeting in Durham, NC

November 17th — Technical Meeting/Officer Installation in Charlotte, NC







### **COMPANIES ATTENDING**

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Dispersions Microspheres Surface Treatments



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### **Vendor Showcase Listing**

Table top vendors showcasing at the Turtle Point in Legends A, B, C located on the second floor from 6-9pm:

Botaneco Inc.

Nexeo

**Ultra Chemical** 

Orchidia

MTI

Evonik

Seppic Inc.

**Xytrus** 

Univar

Kinetik Technologies

Jarchem

Acme-Hardesty

McCollough

# SOCIETY OF COSMETIC CHEMISTS

#### CAROLINA CHAPTER

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