

SCC

2005 REGISTRATION FORM

REGISTRATIONS CAN BE SENT TO SCC VIA:

MAIL:
Society of Cosmetic Chemists
120 Wall Street, Suite 2400
New York, NY 10005-4088

FAX:
(212) 668-1504

American Express, Visa and Master Cards are accepted for payment. All Checks should be made payable to Society of Cosmetic Chemists. Please type or print your name, as you want it to appear on your badge and certificate. Reproduce this form for additional registrations. *All courses must be paid in full before course date. **DO NOT ASSUME YOU ARE REGISTERED UNLESS YOU RECEIVE A PRINTED CONFIRMATION BY MAIL OR FAX.**

Course Title	Date	Course Fee
	TOTAL ENCLOSED	

NOTE: ALL CHECKS ARE TO BE PAID IN U.S. DOLLARS DRAWN ON A BANK WITH AN ADDRESS IN THE UNITED STATES AND MADE PAYABLE TO THE SOCIETY OF COSMETIC CHEMISTS.

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QUESTIONS? Phone Doreen Scelso at the SCC National Office at (212) 668-1500

FOR SCC USE:

Rec'd _____ Company _____ Amount _____ Check # _____ Acct# _____

**SOCIETY OF COSMETIC CHEMISTS
CONTINUING EDUCATION PROGRAM**

2005 SPRING SCHEDULE

**MICROENCAPSULATION TECHNOLOGY
APRIL 11, 2005**

**COSMETIC RAW MATERIALS
APRIL 18 & 19, 2005**

**INTRODUCTION TO POLYMER CHEMISTRY & THEIR
APPLICATIONS TO THE COSMETIC INDUSTRY
MAY 12, 2005**

**BASIC SKIN CARE SCIENCE FOR THE COSMETIC SCIENTIST
JUNE 1, 2005**

**PATENTS – A PRACTICAL INTRODUCTION
JUNE 1, 2005**

***Register three weeks before course date to receive a \$25.00 coupon to be used towards your next course registration in 2005.**

SCC

**Society of Cosmetic Chemists
120 Wall Street, Suite 2400
New York, New York 10005-4088**

MICROENCAPSULATION TECHNOLOGY

APRIL 11, 2005
NEWARK AIRPORT HILTON, NEWARK, N.J.
INSTRUCTED BY MORGAN HALLWACHS

COURSE OUTLINE

This course will cover the basic technology, types, and processes for producing microcapsules that are used in the cosmetic and personal care industry. Descriptions and techniques will be provided to successfully formulate with microcapsules in the development of new products. Printing products using microcapsules will be described for the marketing and advertising of fragrance products.

I. MICROENCAPSULATION

- Introduction
- Definitions
- Terminology
- Technology
- Encapsulation processes
- Materials used to encapsulate
- Materials that may be encapsulated

II. MICROENCAPSULATION APPLICATIONS

- Advantages
- Typical uses
- Choice of microcapsules
- Cosmetic and personal care applications
- Examples of materials and products
- Formulating with microcapsules
- Suspending microcapsules
- Color
- Size
- Actives and microcapsule concentration in formulation
- Strength and feel

III. FRAGRANCE PRINTING

- Marketing advantages
- Types of printed materials for advertising

	FEES	
	Early Fee	Late Fee (After 03/28/05)
SCC Member	\$300.00	\$350.00
SCC Student Member	\$150.00	\$175.00
Non-Member	\$425.00	\$475.00

About The Instructor

Morgan Hallwachs obtained his Bachelor of Chemistry degree from the University of Minnesota. He has actively worked in research, marketing, business development, production and senior management. His micro encapsulation experience includes working in research and then managing a micro encapsulation facility. Other research experience includes materials evaluation, photoelectric binders, and pressure sensitive adhesives. Other market knowledge includes oleo chemicals (acids, glycerine, amines, quaternaries, food emulsifiers, and amides), mining reagents, asphalt emulsifiers, paper additives, and automotive seam sealers.

- Course hours: 9:00 A.M. – 5:00 P.M.
- Registration fee includes all course materials, lunch, coffee & beverage breaks.
- Registrants must make hotel accommodations on their own, if needed. Contact the Newark Airport Hilton (908) 351-3900. The SCC has blocked a limited number of guest rooms at a discounted rate. Indicate to reservation agent that you are attending this SCC function. These rates are available for a limited time

- so please make your reservations by 03/23/05.
- Fees for the course are transferable but not refundable after 04/04/05. Applications who do not transfer to attend a different course will be subject to a \$50.00 administration fee.
- ALL CHECKS ARE TO BE PAID IN U.S. DOLLARS DRAWN ON A BANK WITH AN ADDRESS IN THE UNITED STATES AND MADE PAYABLE TO SOCIETY OF COSMETIC CHEMISTS.

If five or more employees from the same company register for the same course, they may deduct \$25.00 from each registration. If ten or more register they may deduct \$50.00 for each registration.

NOTE: The SCC reserves the right to cancel any course for which there is insufficient registration. A full refund will be issued in this circumstance.

COSMETIC RAW MATERIALS

APRIL 18 & 19, 2005
NEWARK AIRPORT HILTON, NEWARK, N.J.
INSTRUCTED BY DAVID STEINBERG AND HENRY MASO

COURSE OUTLINE

The Chemical backbone of most ingredients is fatty materials. A complete review of fatty acids and alcohols will be covered. These include nomenclature, production methods, by-products, specifications and methods. How to produce soap and soap emulsions will also be covered.

This course will include the following:

- Surfactants: anionic, cationic, non-ionic and amphoteric.
- Amides and other shampoo additives: includes alkanolamides, ammine oxides, opacifiers, quats and pearlescent agents.
- Emulsifiers: ethylene oxide reactions, HLB, types by charge, phase and droplet size.
- Emollients: oils, esters, waxes, hydrocarbons, lanolin, silicones.
- Humectants and skin exfoliants: types why used.
- Preservatives: regulations, types of preservatives, simple microbiology.
- Polymers: Synthetic and natural, for thickening, styling, etc.
- Powder Raw Materials: talc, bentonite, kaolin, etc., as vehicular extenders.
- Controversies in the use of raw materials: consumer attitudes and regulatory considerations.

FEES		
	Early Fee	Late Fee (After 04/04/05)
SCC Member	\$500.00	\$550.00
SCC Student Member	\$225.00	\$250.00
Non-Member	\$625.00	\$675.00

About The Instructor

HENRY F. MASO retired as Senior VP after 30 years at Amerchol Corp. He continues as lecturer and consultant in retirement as President of H.F. Maso Associates. He is a Past-President of the Society of Cosmetic Chemists and the International Federation of the Society of Cosmetic Chemists.

DAVID C. STEINBERG founded Steinberg & Associates, Inc. in 1995 as a consulting firm for the cosmetics industry. He is an Adjunct Assistant Professor of Chemistry at Fairleigh Dickinson University, a Fellow member and Past President of the SCC. He is author of the book *Cosmetic Preservatives*.

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INTRODUCTION TO POLYMER CHEMISTRY & THEIR APPLICATIONS TO THE COSMETIC INDUSTRY

MAY 12, 2005
NEWARK AIRPORT HILTON, NEWARK, N.J.
INSTRUCTED BY ROBERT LOCHHEAD Ph.D.

COURSE OUTLINE

Polymers represent one of the major classes of materials used in cosmetic formulations. There are a wide variety of polymers used in a broad range of functions in this industry and a basic understanding of polymer structure-property relationships is an essential tool for the cosmetic formulator. This course addresses the need to introduce formulators and suppliers to cosmetic polymers. The course will be pragmatic, but polymer science theory will be woven into the applications.

Course participants can expect to emerge from this course with a knowledge of most of the polymers used in the industry, the reasons for their specific use in formulation, an introduction to the underlying theory, and information on industry trends with these materials.

1. **FIXATIVES AND FILM FORMERS:**

An overview of fixative and film forming polymers and their structure-property relations, with an introduction to the theories of polymer solutions, polymer blends, and film formation. This section will contain information that is essential to hair-care; skin-care and nail care formulators.

2. **RHEOLOGY CONTROL:**

The various polymer that are used for thickening or stabilizing emulsions and dispersions with a comparison of their strengths and weaknesses. Formulators who create liquid systems should attend this session.

3. **CONDITIONING POLYMERS AND DELIVERY SYSTEMS:**

An overview of the different conditioning polymers for hair care and skin care, from cationic water-soluble polymers to silicones and their derivatives. The challenges involved in formulating these systems will be covered in this section.

4. **CASE STUDIES:**

The principles taught in each session will be exemplified in interactive sessions that consider real case scenarios.

FEES		
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SCC Member	\$300.00	\$350.00
SCC Student Member	\$150.00	\$175.00
Non-Member	\$425.00	\$475.00

About The Instructor

ROBERT LOCHHEAD, Ph.D. is Professor of Polymer Science at the University of Southern Mississippi. Prior to joining the University, Dr. Lochhead was R&D Manager, Hydrophilic Polymers, B.F. Goodrich. Dr. Lochhead has served as Chair of the Committee on Scientific Affairs and SCC President.

-Course hours: 9:00 A.M. – 5:00 P.M.
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BASIC SKIN CARE SCIENCE FOR THE COSMETIC SCIENTIST

JUNE 1, 2005

MANDALAY BAY RESORT & CASINO – LAS VEGAS, NV
INSTRUCTED BY Randy Wickett, Ph.D.

ANNUAL SCIENTIFIC MEETING COURSE - SEATING IS LIMITED

COURSE OUTLINE

This basic course on skin anatomy, function and evaluation methods is designed for cosmetic scientists. There will be focus on how the structure of skin influences its interaction with products and how those interactions influence measurable properties of the skin.

I. The Foundation: Very basic concepts of protein and membrane biochemistry and biophysics.

- A. Protein Structural Levels and their determinants
- B. Cell membranes and the hydrophobic effect

II. Basic Skin Anatomy

- A. The Dermis and Skin Appendages
 - 1. Fibroblasts, Collagen, Elastin and GAGS
 - 2. Photodamage-Ultravioleting your skin with sunlight
 - 3. Hair, Sweat Glands and Nails basic anatomy
- B. The Epidermis and its layers
 - 1. The basal layer, keratinocytes and epidermal renewal
 - 2. Skin color basics
 - 3. Allergic contact dermatitis basics
 - 4. The Stratum Granulosum and the formation of the Stratum Corneum
 - 5. The Bricks and Mortar Model of Stratum
 - 6. Corneum Barrier Function

III. Basic Bioengineering Methods for Skin Evaluation

- A. Transepidermal Water Loss (TEWL) and the skin barrier
- B. Electrical measurements for moisturizer testing
- C. Mechanical Properties, stretching the skin.
- D. Skin pH
- E. Basic imaging techniques

IV. Moisturizers and anti-aging products

- A. Classical Moisturizers
 - 1. Moisturizer test methods
 - 2. Humectants, glycerin and urea
 - 3. Occlusive moisturizers
- B. "Anti-aging" moisturizers
 - 1. Retinoids and retinol
 - 2. Anti-Oxidants
 - 3. α and β hydroxy-acids and other "anti aging" ingredients

V. Surfactant Skin Interactions

- A. Mildness Testing Protocols
 - 1. Patch Tests
 - 2. Modified Soap Chamber testing
 - 3. Forearm Wash tests using bioengineering methods
- B. Proposed irritation mechanism
 - 1. Protein denaturation and swelling tests
 - 2. Lipid extraction
 - 3. Lipid disordering
 - 4. Penetration and cell destruction
- C. Moderation of Harshness
 - 1. Structure modifications ethoxylation etc.
 - 2. Mixing systems

FEES

SCC Member	\$300.00
Non-Member	\$400.00

About The Instructor:

Randy Wickett, Ph.D. – Obtained his Ph.D. in biophysics from Oregon State University of Corvallis Oregon in 1972 and was a Postdoctoral Fellow at the University of Minnesota in the Department of Chemistry, from 1972-1974. He worked at Proctor & Gamble's Miami Valley Laboratories from 1974 to 1985 and in the department of Dermal Research, S.C. Sjohnson & Son, Inc. from 1985-1991. He joined the University of Cincinnati College of Pharmacy as Associate Professor of Pharmaceutics and Cosmetic Science in 1991 and was promoted to the rank of Professor in 1998. He also serves as a consultant to several major skin and hair companies. Dr. Wickett is a Fellow of the Society of Cosmetic Chemists (SCC) and has received numerous SCC technical awards including the Maison G. de Navarre Medal Award, The SCC's highest award for technical achievement. He was also editor of the Journal of the Society of Cosmetic Chemists from 1991 to 1997.

- Course hours: 9:00 A.M. – 5:00 P.M.
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- Registrants must make hotel accommodations on their own, if needed. Contact the Mandalay Bay Resort & Casino, Las Vegas, NV at (1877-632-7800). The SCC has

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PATENTS – A PRACTICAL INTRODUCTION

JUNE 1, 2005

MANDALAY BAY RESORT & CASINO – LAS VEGAS, NV
INSTRUCTED BY TONY O'LENICK AND LOUIS PAUL

ANNUAL SCIENTIFIC MEETING COURSE - SEATING IS LIMITED

COURSE OUTLINE

The goal of this course is to demystify patents. By providing a practical, functional understanding of patents, their content, and use, inventors will be better able to communicate and work with attorneys to protect their ideas and discoveries while making certain not to infringe the patent rights of others. This course is not intended to provide specific legal advice or recommendations, but to offer a framework to allow for more productive interaction between attorney and chemist.

Introduction - What Are Patents And Why Are They So Important?

How To Read Patent Claims

The Inventive Process – Before You Start

Do You Infringe A Valid Patent Claim?

The Patent Application Process

Patent Peace Of Mind

The Five Legged Chair

Strategic Options – If Your Idea Is Claimed In Another Patent

Correcting Patents

FEES	
SCC Member	\$300.00
Non-Member	\$400.00

About The Instructors

Tony O'Lenick is President of Siltech Inc., in Dacula, Ga. Siltech Inc., is a silicone and surfactant specialty company. Prior to that he held technical and executive positions at Lambert Technologies, Alkaril Chemicals Inc., Henkel Corporation and Mona Industries. He has been involved in the personal care market for over 25 years. Tony has published over 25 technical articles in trade journals, contributed chapters to three books, and is the inventor on over 200 patents. He has received a number of awards for work in silicone chemistry.

Louis Paul is Special Counsel with Cohen Tauber Spievack & Wagner, LLP in New York City. He graduated cum laude from Princeton and received his law degree from Columbia and a Masters in environmental health science from Harvard. A registered patent attorney, Louis provides counseling and litigates cases involving product development law for life sciences, pharmaceutical and cosmetics clients. In the area of intellectual property, he has prepared patent applications and freedom to practice opinion letters. Louis has litigated a wide range of cases in the federal trial and appellate courts involving patent infringement, trade secret misappropriation, products liability and mass torts, including one case that reached the U.S. Supreme Court. He also counsels clients on compliance with FDA regulations has negotiated and drafted patent licenses, strategic joint ventures and research collaborations, and clinical trial and marketing agreements.

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