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## Meyer R. Rosen

CFEI, CPC, CChE, FAIC, FRSC, DABFET

**FORENSIC LITIGATION EXPERT**

**PRODUCTS LIABILITY; PERSONAL INJURY**

**INTELLECTUAL PROPERTY**

Experienced, forensic expert witness for plaintiff or defense; both Federal and State. Accepting cases including, but not limited to: fires and explosions, hazardous chemicals, specialty chemicals, chemical burns and toxic exposure. Consumer and Industrial products and processes. Nationally certified fire and explosion investigator (CFEI), professional chemist (CPC) and chemical engineer (CChE) with extensive credentials in both industrial and academic fields.

### CONSULTING CHEMIST & CHEMICAL ENGINEER

Intellectual Property & Trade Secret Litigation; Chemical Technology Assessment; Specialty Chemicals, Cosmetic Science and Industrial Product and Process Development. Creation of new applications. Technical Marketing/Editing/Journalist for Specialty Chemicals and Ingredients. Over 20 Patents. International Experience.

Fellow: American College of Forensic Examiners, American Institute of Chemists,

American Institute of Chemical Engineers and Royal Society of Chemistry (London)

### PUBLICATIONS

Editor-in-Chief: Eurocosmetics Magazine (Germany);

Editor-in-Chief of Harry's Cosmeticology, 9th Edition: [http://www.chemical-publishing.com/category\\_s/44.htm](http://www.chemical-publishing.com/category_s/44.htm)

Lead Author, Editor, and Series Editor for publishers including Elsevier Publishing; Chief Scientific Advisor for HBA Global Expo and Director of Technical Conferences; Organizer for International Safety, Regulatory and Certification Programs.

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### Credentials

FACFE:	Fellow: American College of Forensic Examiners
FRSC	Fellow: Royal Society of Chemistry (London)
FAIC	Fellow: American Institute of Chemists
CPC, CChE	Certified Professional Chemist, Certified Professional Chemical Engineer- National Certification Commission in Chemistry and Chemical Engineering
CFEI	Certified Fire & Explosion Investigator (Advanced Training); National Association of Fire Investigators
DABFE:	Diplomate: American Board of Forensic Examiners
DABFET:	Diplomate: American Board of Forensic Engineering & Technology

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### PROFESSIONAL BACKGROUND

**Mr. Rosen has over 40 years of industrial and academic of experience in the field of chemistry and chemical engineering.** He has consulted with hundreds of corporations involved in the development, optimization, technical marketing and quality control of new and existing consumer, household, medical and industrial products. Meyer is experienced in products liability, personal injury, intellectual property and trade secret cases. These include, but are not limited to: consumer, household and cosmetic products as well as industrial products and processes. **He has worked with numerous law firms and insurance companies in both plaintiff and defense cases as a consulting and testifying expert in both state and Federal courts.**

**Meyer's background includes: fires, explosions, accident reconstruction, hazardous chemicals, toxic exposures, chemical exposures, chemical burns, uncovering safer alternatives and training in courtroom procedures. He also has advanced training as a nationally certified fire and explosion investigator and is skilled at determining the origin**

**and cause of fires, explosions and arson relating to flammable liquids, gases & solids as well as aerosol fires. Mr. Rosen is also experienced in products liability issues and complex litigation relative to safety in design, formulation, packaging and handling, warnings, instructions and labels. He is also experienced in intellectual property and trade secret matters.**

As an **Adjunct Professor of Chemistry** for 15 years, Mr. Rosen trained the senior firefighters of New York City and surrounding cities in a course he designed on Fire Chemistry, Hazardous Chemicals and Fire Extinguishing Methods.

Mr. Rosen is a former member of the Fire Science & Technology Educators Section of the National Fire Protection Association and a Senior Member of the National Fire Protection Association. He has taken training at the National Fire, Arson and Explosion Investigation Training Program and the National Seminar on Fire Analysis Litigation. His experience and training includes NFPA 921, the peer reviewed, accepted scientific standard of the fire protection industry. Mr. Rosen has also taken several programs in Advanced Training in the Fire, Arson and Explosion Investigation Science & Technology Program co-sponsored by the National Fire Protection Association and the National Association of Fire Investigators (2005, 2011, 2016).

His Professional Certifications include being a nationally certified Professional Chemist and Professional Chemical Engineer. He is also a Fellow of the American College of Forensic Examiners, a Board Certified Forensic Examiner, a Diplomate of the American Board of Forensic Engineering and Technology and a Nationally certified fire and explosion investigator. He is a past Executive Advisor to the American Board of Forensic Engineering and Technology. Meyer is a past member of the Executive Advisory Board of the Knovel Corporation, where he was responsible for guiding selection of science and engineering book content for hundreds of corporations, the U.S. patent office and the Royal Society of Chemistry (London). Mr. Rosen was selected as a Vaaler Awards judge for 2003 by Chemical Processing Magazine. The awards competition honors products that improved operations or lowered costs for the chemical processing industry.

Meyer serves as Editor-in-Chief for EuroCosmetics Magazine (Germany) and is Editor-in-Chief of the 2,600 page book on the cosmetic industry, *Harry's Cosmeticology*, 9<sup>th</sup> Edition [http://www.chemical-publishing.com/category\\_s/44.htm](http://www.chemical-publishing.com/category_s/44.htm). Meyer served for six years as Chief Scientific Advisor & Director of Technical Programming for United Business Media's HBA Global Technical Conference and Expo, the largest health and beauty conference & expo in the United States. He has been the Chairman and Organizer of the Annual HBA Global Expo Safety, Regulatory and Certification Summit since 2006- a series of major international technical conferences covering the impact of global Regulations on the personal care and cosmetic industry. Mr. Rosen also serves as Book Series Editor for Elsevier Publishing's Personal Care and Cosmetic Technology Series. Meyer is a member of the Center for Dermal Research at Rutgers, the State University of New Jersey.

Mr. Rosen is a past Vice President of the Association of Consulting Chemists and Chemical Engineers and on its Executive Board of Directors. He is a voting member of several

Standards-Making Committees of the American Society of Testing Materials (ASTM). These committees include: halogenated organic solvents, fire- extinguishing agents, fire standards, industrial chemicals, and hazard potential of chemicals. He also serves on several other ASTM committees including: forensic sciences, occupational health and safety, consumer products, hazardous substances, and industrial chemicals. Mr. Rosen has extensive experience in the preparation and analysis of Material Safety Data Sheets, as well as the filing of Regulatory Applications for the Environmental Protection Agency.

## **Litigation Support Experience**

Meyer's technical product litigation experience includes, but is not limited to:

► **Products Liability, Chemical Technology, Accident Reconstruction, Fires & Explosions, Hazardous Chemicals, Household and Industrial Products, Safety in Design & Formulation, Safer Alternatives & Safety in Packaging and Handling; Chemical Burns & Toxic Exposures; Technical Aspects of Warnings, Instructions and Labels; Personal Care & Cosmetic Products; Hair Relaxers, , Chemistry, Chemical Engineering, Physical Chemistry & Material Properties, Product & Process Issues, OSHA Regulations, Codes & Standards, Intellectual Property Management, including patent analysis/infringement as well as trade secret litigation.**

## **Education**

M.S. Chemical Engineering: Polytechnic Institute of Brooklyn (1966). Developed color toners for three- dimensional Xerox process under grant from Naval Weapons Test Laboratory.

B.S. Chemical Engineering: Polytechnic Institute of Brooklyn (1964).

- John Zink Burner School: burner design, combustion in fired heaters; flare design & operation, furnace operation (1979).
- National Fire, Arson & Explosion Investigation Training Program, Sarasota, FL (7/18-7/21...2016).
- National Fire, Arson & Explosion Investigation Training Program, Sarasota, FL (8/2-8/4...2011).
- National Fire, Arson & Explosion Investigation Training Program, Sarasota, FL (7/23-7/25...2001).

- National Seminar on Fire Analysis Litigation, Sarasota, FL (2001)
- Skin Care Science for the Cosmetic Chemist, (Fairleigh Dickenson University (2004).
- Expert Testimony in Litigation, Law Seminars International (2004):  
Training in Courtroom procedures.
- National Advanced Fire, Arson and Explosion Investigation Science and  
Technology Program (2005)
- Global Perspectives on Environmental Risk, Allen & Overy LLP, Continuing  
Legal Education Program, New York City (Oct. 20, 2006)
- National Advanced Fire, Arson and Explosion Investigation Training Program  
(2011)
- New York Society of Cosmetic Chemists Rheology Symposium, Liberty Science  
Center, March 27, 2012
- The International Advanced Fire Training Program: 921 & 1033- Putting it  
Together, July 18-21, 2016, Tampa, Florida

## **Professional Experience**

### 1992-Present

Interactive Consulting, Inc.

East Norwich, N.Y. 11732

Position: President

Mr. Rosen serves as expert witness for attorneys and insurance companies (both plaintiff & defense) in chemistry and chemical engineering technology and their application to consumer and industrial products relative to product development, safety and intellectual property issues. His expertise includes, but is not limited to: fires, explosions, hazardous chemicals, chemical burns and toxic exposures.

Meyer also consults for the cosmetic, personal care, pharmaceutical and specialty chemical areas. These include, for example, the application of fundamental polymer and surface chemistry principles to a wide variety of market development & technological issues associated with the Specialty Chemicals & Allied Industries. He conducts corporate training in mind map technology, runs ideation/brainstorming sessions, does technical marketing, customized technology and market research, technology transfer and professional technical writing/editing. Mr. Rosen served as Chief Scientific Advisor and Director of Technical Symposia for United Business Media's HBA Global Expo, and was responsible for the design and organization of all technical conference programs for six years which included speaker recruitment and assessment, evaluation and editing of technical presentations of approximately 100 speakers each year and management of the technical conference program which drew approximately 1,000 attendees each year.

Meyer has also been the Designer and Organizer of HBA's Annual International Safety, Regulatory and Certification Summit Conference Programs. Mr. Rosen served on the Executive Advisory Board of the Knovel Corporation where he was responsible for providing content guidance for hundreds of corporations, the U.S. Patent Office and the Royal Society of Chemistry (London).

#### 1979-1992

Union Carbide Corporation

Boundbrook, N.J.

Position: Development Scientist

Provided technical support and problem solving for POLYOX Water Soluble Resin: poly (ethylene oxide).

Developed aqueous lubricant to replace diesel fuel used in manufacture of bricks. Conducted research on water-soluble polymers as lubricants.

Managed a one-year safety program for 60 scientists and engineers. Trained 24 instructors who ran monthly safety awareness seminars on handling hazardous chemicals and equipment. Responsible for site laboratory facility safety issues.

Prepared Material Safety Data Sheets and technical literature describing chemical products and hazards. Set up a computer-generated MSDS for product formulations containing multiple hazardous chemical components. Consultant on "Rapid Water" fire extinguishing system used by New York City Fire Department.

Responsible for chemical/equipment safety aspects of laboratory facilities including review of Material Safety Data Sheets.

Responsible for safety protection in loud noise, taconite dust environments at temperatures from –30 degrees F. Set up and supervised thermoplastic polymer processing laboratory and insured safe operation.

Developed poly (acrylamide) and poly (ethylene oxide) flocculants and coagulants for the separation of suspended particulates in process wastes associated with industrial wastewater treatment. Conducted extensive field and lab trial development programs for coagulants and flocculants in phosphate mining waste reclamation and coal wastes. Developed taconite ore binders for use in iron ore pelletizing processes.

#### 1973-1979

Union Carbide Corporation, Tarrytown, N.Y.

Position: Project Scientist

Conducted research on fuel combustion and developed additives for increasing fuel combustion efficiency. Consulted on effect of silicone surfactants as flame-retardants for polyurethane foam.

#### 1966-1973

Union Carbide Corporation, Tonawanda, N.Y.; Tarrytown, N.Y.

Position: Research Engineer

Developed aqueous film-forming fire-fighting foam widely used by military and civilians for airplane crash fires. Conducted applied research in silicone surface-active agents.

### **Academic Experience**

#### 1970-84

**Adjunct Professor, Chemistry Dept. Westchester Community College, Valhalla, N.Y.**

**Designed and taught a Fire Science, Fire Chemistry, Chemical Hazard and Toxicology course. Instructed senior professional firefighters of New York City and surrounding cities in hazardous chemical technology of flammable, toxic and explosive chemicals. Taught physics and chemistry of modern fire extinguishing methods including: AF-3 aqueous film forming foam, low and high expansion foam; Halon and dry powder agents.**

#### 1984

**Course Director: Center for Professional Advancement,**  
East Brunswick, N.J.

Designed, Organized, Managed and Taught 3-day course in “Scientific Fire Fighting”.

## **Professional Associations & Achievements**

- American Board of Forensic Engineering & Technology, Executive Advisor
- American Chemical Society
- American Institute of Chemical Engineers
- American College of Forensic Examiners
- ACS Division of Colloid and Surface Chemistry
  
- American Industrial Hygiene Association / Former Member Noise Committee
- American Institute of Chemists, (Former Director)
- American Society of Safety Engineers (Former Member)
- Assoc. of Consulting Chemists/Chemical Engineers: Executive Director,  
Past V.P.
  
- Center for Dermal Research at Rutgers, the State University of New Jersey.
- National Association of Fire Investigators
- National Fire Protection Association, Senior Member  
Member, Fire Science & Technology • Educators Section;  
Former member Fire Fighting Foam Subcommittee (Standards -making body).
- Société de Chimie Industrielle, American Section (Former Member)
- Society of Cosmetic Chemists, National
- New York Society of Cosmetic Chemists
- Controlled Release Society (Consumer & Diversified Product Committee)
  
- American Society for Testing & Materials (ASTM) Committees:



- D-1 Paint & Related Coatings, Materials & Applications
  - D-3 Gaseous Fuels
  - D-12 Soaps & other Detergents
  - D-13 Textiles
  - D-14 Adhesives
- American Society for Testing & Materials (ASTM) Committees:
    - D-26 Halogenated Organic Solvent & Fire Extinguishing Agents
    - E-5 Fire Standards
    - E-15 Industrial Chemicals
    - E-27 Hazard Potential of Chemicals
    - E-30 Forensic Sciences
    - E-34 Occupational Health & Safety
    - E-35 Pesticides
    - E-48 Biotechnology
    - E-51 Environmental Risk Management
    - F-15 Consumer Products
    - F-20 Hazardous Substances & Oil Spill Response

## **Awards and Acknowledgments**

- Listed in:
- Who's Who in The East, 1996-2002.
  - Who's Who in Finance and Industry, 1996.
  - International Who's Who of Professionals, 1996, 1997.
  - Who's Who in Science and Engineering, 1996-2006
  - Who's Who in America, 1996-present.
  - American Institute of Chemists Professional Directory, 1996.
  - Dictionary of International Biography (Cambridge, England, 1998).
  - Honored Member - Strathmore's Who's Who – 1999
  - Outstanding People of the 20th Century, International Biographic Center,

Cambridge, England, 1999.

## **Peer Reviewer: Professional Journals**

Journal of Chemical Education  
Journal of Cosmetic Science, Official Journal of the Society of Cosmetic Chemists

The Chemist  
Journal of Testing and Evaluation (American Society of Testing Materials-ASTM)  
Cosmetics & Toiletries, Journal of Controlled Release Society  
EuroCosmetics Magazine (Germany)

## **AFFILIATIONS**

National Association of Fire Investigators

Editor-In-Chief: Harry's Cosmeticology, 9<sup>th</sup> Ed., Chemical Publishing Company (2015)

Editor-in-Chief: North and Latin America- EuroCosmetics Magazine (Germany)

Center for Dermal Research at Rutgers, The State University of New Jersey

## **NEWSMEDIA INTERVIEWS & QUOTES**

Mr. Rosen has been interviewed and quoted in the press by a variety of chemical industry publications. These include: HAPPI Magazine (Nov. 2015: [http://www.happi.com/issues/2015-11-01/view\\_features/just-wild-about-harrys](http://www.happi.com/issues/2015-11-01/view_features/just-wild-about-harrys)); J. of Cosmetic Science, October 2015: Review of Harry's Cosmeticology, 9<sup>th</sup> Ed.; CosmeticDesign-USA: Interview on the 2,600 page, 3 volume Harry's Cosmeticology, 9<sup>th</sup> Ed. with contributions from over 10 global experts; DowJones.com (Chem Show 2000), Chemical Marketing Reporter (May 12, 2003), Soap & Cosmetics (Sept. 2002), Chemical and Engineering News (March 3, 2003), The Journal of Surfactants & Detergents (2004), Chemical and Engineering News (May 3, 2004), Women's Wear Daily (Aug. 16, 2005), Medesthetics Magazine (October 2005), Global Cosmetic Industry Magazine (pg. 34, Jan. 2006). Associated Press Television Interview on Trends in Personal Care (April 18, 2006-National Syndication. Interview with CosmeticsDesign.com (Europe & U.S.) on "Insightful Industry Leaders Panel held for first time at HBA Global Expo, Aug.18, 2010.

Mr. Rosen was selected as "Expert of the Month" by HGexperts.com, a widely recognized resource for attorneys and insurance companies (April 2006). He was recently

quoted in an article entitled: "Ingredient Regulations and Safety Concerns Face Industry" (The Informationist: Analyst for the Health Care & Beauty Industries, Vol 27, No. 9 & 10, 2006)

Meyer's 1,100. page book, "Delivery System Handbook for Personal Care & Cosmetic Products: Technology, Applications & Formulations" was reviewed by The Newsletter of the National Association of Science Writers" (Spring 2006) and an extensive review appears in the International Federation of Society of Cosmetic Chemists Journal (V. 9, #3, October 2006, pg 259-261). He is also quoted in Inform, the Journal of the American Oil Chemists Society (Sept. 2006, Vol 17(9), pp 553-616) in an article on "Silicones in Fabric Care."

## **Publications**

### **Books**

"Harry's Cosmeticology, 9<sup>th</sup> Ed., (2015). Editor-in-Chief of the International, widest selling book and eBook for the Cosmetic and Personal Care Industry in the past sixty years. Three volumes; 2,600. pages with contributions from more than 150 globaexperts. [http://www.chemical-publishing.com/category\\_s/44.htm](http://www.chemical-publishing.com/category_s/44.htm)

"Delivery System Handbook for Personal Care and Cosmetic Products: Technology, Applications and Formulations", Edited by Rosen, M.R., Wm. Andrew Publishing, Norwich, New York (2005). A major contribution to this field containing 1,000 pages with over 40 companies and over 80 authors contributing from ten countries.

"Handbook of Rheology Modifiers- Practical Use and Application", Braun, D.B. and Rosen, M.R. (500 pp), Wm Andrew Publishers, Norwich, New York (1999).

## **Book Series & International Technical Magazine Editor**

**Editor-in-Chief: North and Latin America- EuroCosmetics Magazine (Germany)**

### **BOOK SERIES 1; EDITOR: Harry's Cosmeticology, 9<sup>th</sup> Ed. Focus Book Series**

Chemical Publishing Company, generating a series of Focus Books drawn from the 3 volume, 2,600 page Harry's Cosmeticology textbook.

- **"Cosmetic Industry Approaches to Epigenetics and Molecular Biology"**, Chemical Publishing Company ( Sept. 2015)
- **"Achieving Global Cosmetic Market Access: Issues and Approaches"**; Chemical Publishing Company (Sept. 2015)
- **"Sustainability and Eco-Responsibility"**: Co-edited by Alban Muller and Meyer R. Rosen, Chemical Publishing Company (Nov. 2015)

- **“Art and Science of formulating Cosmetic Products”**, Chemical Publishing Company, (Jan. 2016)

### **BOOK SERIES 2; EDITOR: “Personal Care, Cosmetic & Pharmaceutical Technology”**

Elsevier Publishing (Amsterdam), generating a series of books dedicated to transforming the content and communication (via book and internet) of the status of technology in the Personal Care and Pharmaceutical Industry.

- **“Delivery System Handbook for Personal Care and Cosmetic Products: Technology, Applications and Formulations”**, Meyer R. Rosen, Editor (2005)
- **“Global Regulatory Issues for the Cosmetic Industry, Volume 1”**, C.I. Betton, Editor (2007)
- **“Global Regulatory Issues for the Cosmetic Industry, Volume 2”**, Karl Lintner, Editor (2009)
- **“Nutritional Cosmetics”**, Aaron Tabor and Robert M. Blair, Editors, (2009)
- **“Cosmetic Applications of Laser and Light-Based Systems”**, Gurpreet Ahluwalia, Editor, (2009)
- **“Skin Aging Handbook, An Integrated Approach to Biochemistry and Product Development”**, Nava Dayan, Editor (2009)

### **Technical Literature**

#### **Polyox® Water Soluble Resins: (1991-1992):**

Polyox® poly (ethylene oxide) resin is a family of high molecular weight, water-soluble polymers, manufactured by the Dow Chemical Corporation and widely used in hundreds of applications for consumer and industrial products.

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|----------------------------|------------------------|
| • Thermoplastic Processing | • Storage and Handling |
| • Association Compounds    | • Environmental Impact |
| • Applications             | • Dust Properties      |
| • Dissolving Techniques    | • The Basics           |
| • Toxicological Properties |                        |

#### **"More Solutions to Sticky Problems**

A Guide to Getting More from Your Brookfield Viscometer", Brookfield Engineering Laboratories, Inc. (1984).

### **Technical Conference Presentations**

Moderator: "Entering the Era of Vibrational Cosmetics: The Next Generation Approach to Mind-Body & Skin Regeneration"

In-Cosmetics, North America, New York City, Javits Center, Oct 17-18 2018

Moderator: "The Age-Defying Paradigm: Newest Thinking, Concepts & Practical Approaches - Conferences - in-cosmetics North America <http://northamerica.in-cosmetics.com/en/Sessions/46328/The-age-defying-paradigm-newest-thinking-concepts-practical-approaches#.WYcvXOqJUI8.twitter>; October 2017

Moderator, "**3D Printing**" Panel, HBA Global Technical Conference, June 2015

Moderator, "**Anti-Aging**" Panel, HBA Global Technical Conference, June 2013

Moderator, "**Sophisticated Technology and Techniques for Enhancing Beauty & Health of Skin and Nails**", United Business Media's HBA Global Technical Conference, June 2012.

Co- Moderator, with Dr. Zoe Draelos, M.D. at the HBA Global Expo (June 2011) for "The **Dermatology- Cosmeceutical Interface: A Provocative Inquiry**" Panel

Co- Moderator, with Simon Pitman, Senior Editor, Design News Media: Cosmetic Design Magazine (Europe), at the HBA Global Expo (June 2011) for the "Executive Leadership Panel: **Generating the Future in the Skin Anti-Aging Category**"

Moderator and co-organizer for a Global Internet Webinar hosted by UBM International Media entitled, "**Palm Oil, Orangutans and Sustainability: A Beauty Industry Call to Action**", in which world famous Dr. Birute Mary Galdikas focused on Sustainability/Green issues from Borneo/Indonesia, 450 people/38 countries (July 2010).

Organizer and Moderator for HBA Annual International Safety, Regulatory and Certification Summit, 2006-2008

Session Leader for Master Class, "**New Developments in Delivery Systems**", HBA Global Expo Technical Conference (Sept. 2006)

Conference Chair and Organizer for First Annual HBA Regulatory Summit: **Prepare your Company for the Regulatory Revolution**", HBA Global Beauty Expo, New York City (Sept.

2006). This all day conference was designed by Mr. Rosen to be a history-making, pro-active initiative to provide thoughtful, educational insights into the movements, legislation, scientific technologies and impact of current and potential international regulatory changes.

Moderator for PCITX 4<sup>th</sup> Annual Technical Conference Series: **High Performance Ingredients and Emerging Technology**, April 18-19, 2006 (New York City).

Moderator for PCITX 3<sup>rd</sup> Annual Technical Conference: **“New High Performance Ingredients and Technology III”**, April 26-27, 2005 (New York City)

Moderator for **“New Product Development Symposium”**, New Developments in Skin Care and Exciting New Developments”, HBA Global Expo 2004/PCITX (Sept 29, 2004).

Moderator for **“New Developments in Personal Care”**, HBA Global Expo 2004/PCITX (Sept 28, 2004).

Moderator for **“New Developments in Skin Care”**, HBA Global Expo 2004/PCITX (Sept 28, 2004).

Moderator for **“Exciting New Developments”**, HBA Global Expo 2004/PCITX (Sept 30, 2004).

Moderator for **“Latest Developments in Ingredients”**. Natural Personal Care Products and Global Beauty Conference, Chicago, (June 2004).

Moderator for **High Performance Ingredients** Conference, New York City (April 13-14, 2004)

Moderator for HBA Global Expo 2003, **“New Developments in Natural Ingredients and Products- Part 2”** (Oct 1, 2003).

Moderator for HBA Global Expo 2003, **“New Developments in Natural Ingredients and Products-Part 1”** (Oct 1, 2003).

Moderator for PCITX Conference on **High Performance Ingredients, High Impact Color & High Function Naturals**, Javits Center, New York City, (April, 2004).

Co-organizer, Colloid and Surface Science Symposium, 226<sup>th</sup> National Meeting, American Chemical Society, New York City, (Sept. 2003).

- Session Chair: **“Colloid and Surface Chemistry of Personal Care Products and Pharmaceutical Delivery Systems”**.

Co-organizer, “Industrial Problems and Technology Transfer” Symposium, 226<sup>th</sup> National Meeting, American Chemical Society, New York City, (Sept. 2003).

- Session Chair: **“Colloid and Surface Chemistry of Personal Care Products and Pharmaceutical Delivery Systems”**.

Technical Advisor, Second Annual Global Beauty Congress, Philadelphia, (June 2003).

Session Leader, **High Performance Ingredients** World Congress Javits Center, New York City, (April, 2003).

**“Controlled Release Systems in Cosmetic & Personal Care”**- Master Class Trainer at Product Development Conference, HBA 2002 Global Expo, Javits Center, New York City (Oct. 2002).

Session Leader, **“Exciting New Developments: New Technology That You Can Use”**, at Product Development Conference, HBA 2002 Global Expo, Javits Center, New York City (Oct. 2002).

Session Leader, **“Natural Products in Personal Care”**- A Professionally Facilitated Forum, Product Development Conference, HBA 2002 Global Expo, Javits Center, New York City (Oct. 2002).

Co-organizer, **“Industrial Problems and the Role of Colloid and Surface Science Theory”** Symposium, 224<sup>th</sup> National Meeting, American Chemical Society, Boston, MA (Aug. 2002).

- Session Chair: **“Research Opportunities at the Corporate-Academic Interface”**.

Technical Advisor to the Global Beauty Congress, Chicago, Ill., June 2002.

Co-organizer, **“Surfactant Science and Technology in Industry”**, Symposium, 223<sup>rd</sup> National Meeting, American Chemical Society, Orlando, FL. (April 2002).

- Session Chair: **“Problem Solving at the Industrial Academic Interface”**.

**“Controlled Release Technology”**. Presented at National Meeting, American Chemical Society, Boston, MA (Aug 2002). Rosen, M.R. and Shefer, S.

**“Turning Fundamentals into Useful Information for both Commercial and Academic Interests: A Professionally Facilitated Forum”**, Presented at National Meeting, American Chemical Society, Boston, MA (Aug 2002).

**“Problem Solving at the Industrial-Academic Interface: A Professionally facilitated Forum”**, Presented at the National Meeting, American Chemical Society, Orlando, FL (April 2002)

Technical Advisor to HBA Product Development Conference, Javits Center, New York City (June 2001).

- Seminar Leader, **“New Developments in Personal Care”**.

Session Leader, Product Development Conference, Career Building, “Tutorial IV”, Product Development Conference, HBA Global Exposition, Javits Center, New York City (June 2001).

**“The Consulting Enterprise and the Certification Portal”**, Presented at the National Meeting of the American Chemical Society, San Diego, CA (April 2001).

**“Transition Chemist”**, Presidential Symposium, American Chemical Society, National Meeting, San Diego, CA (April 2001).

Symposium Organizer, “Consulting in the Next Millenium”, ChemShow 2000, Jacob Javits Center, New York City (Oct. 2002)

Seminar Leader, **“Exciting New Science Developments”**, Product Development Conference, HBA Global Exposition, Javits Center, New York City (June 2000).

Seminar Leader, **“Personal Care III”**, Scientific Conference, HBA Global Expo., Javits Center, New York City (June 1999).



"Practical Rheology- A Thinking Protocol for the Personal Care Chemist", HBA Global Expo, Javits Center, New York City (June 1999).

"Acknowledgement of Prof. Frederick Eirich on the occasion of his 90<sup>th</sup> birthday", Chemists Club, (October 1995).

**"An Improved Method for Consolidation of Phosphatic Slimes"**. Presented at the Engineering Foundation Conference, Florida (1988).

**"Carbinder Polymer 498: A New Organic Binder for Taconite Ore"**. Presented at Society of Mining Engineers Annual Meeting, Phoenix, AZ (1988).

**"An Introduction to Rheological Characterization of Non-Newtonian Fluids and Some Practical Applications"**, 17<sup>th</sup> Mid-Atlantic Regional American Chemical Society (April 1983).

**"Principles of Applied Rheology"**, National Meeting, Society of Cosmetic Chemists (Dec.1982).

**"Characterization of Non-Newtonian Fluids: An Industrial Viewpoint"**, Presented at "Applied Rheology for Industrial Chemists", Kent State University (June 1982).

**"Analytical Method for Rating Flocculant Performance"**, Society of Mining Engineers of AIME, Presented at AIME Annual Meeting, Las Vegas, NV (1980).

## **Continuing Professional Education**

Society of Cosmetic Chemists 72nd Annual Scientific Meeting & Technology Showcase, Dec 11-12, 2018. Sheraton Times Square, New York City

In-Cosmetics ® North America, 2018, Jacob Javits Center, New York City (Moderator; Attendee)

In-Cosmetics ® North America, 2017, Jacob Javits Center, New York City (Moderator: Attendee)

Society of Cosmetic Chemists 71<sup>st</sup> Annual Scientific Meeting & Technology Showcase, Dec 11-12, 2017. The Westin New York at Times Square

In-Cosmetics ® North America, Sept. 7-8, 2016, New York City

The International Advanced Fire Training Program: 921 & 1033- Putting it Together,  
July 18-21, 2016, Tampa, Florida

HAPPI Anti-Aging Conference, Hyatt Regency, New Brunswick, N.J,  
(Sept. 20-11, 2016)

Society of Cosmetic Chemists, 70<sup>th</sup> Annual Scientific Meeting and Technology Showcase, Dec.  
10-11, 2015, New York, N.Y.

HAPPI Anti-Aging Conference, Hyatt Regency, New Brunswick, N.J,  
(Sept. 10-11, 2015)

HAPPI Anti-Aging Conference, Hyatt Regency, New Brunswick, N.J,  
(Sept. 16-17, 2014)

Antioxidants Symposium, Society of Cosmetic Chemists, New York Academy of Sciences,  
World Trade Center, June 5, 2014, New York

Happi Magazine's Fourth Annual Anti-Aging Conference, Oct. 29-30, 2013, New Brunswick,  
New Jersey

Happi Magazine's First Annual Anti-Aging Conference, Sept. 25, 2012, New Brunswick, New  
Jersey

National Advanced Fire, Arson & Explosion Investigation Training Program”, Jointly held with The National Association of Fire Investigators and The National Fire Protection Association (Aug. 2-4, 2011)

New York Society of Cosmetic Chemists Suppliers Day, May 10-11, 2011, Edison, New Jersey

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## **Patents**

<b>Year</b>	<b>Description</b>	<b>Patent Number</b>
2010	Shaving Aid Delivery System for Use with Wet Shave Razors	US2008003018
2008	Shaving Aid Delivery System for Use with Wet Shave Razors	US 2008/0216321 A1 (Sept. 11, 2008)
2005	Fumed Silica Embolic Compositions	20050025707
2003	Fumed Silica Embolic Compositions	WO2004075989(A1) 2004-09-10
1997	Design of Reflex-Correspondence Tool	U.S. D 382, 342
1997	Design of Alternative Reflex-Correspondence Tool.	U.S. D 379, 227
1993	Removal of Residual Ethylene oxide from Poly (ethylene oxide)	U.S. 5,216,122
1992	Slurries of Poly (ethylene oxide)	Patent pending

1989	Process for agglomerating ore concentrate utilizing clay and dispersions of polymer binders or dry powder binders.	U.S. 4,802,914
1988	Process for agglomerating ore concentrate utilizing clay and dispersions of polymer binders or dry powder binders.	U.S. 4,767,449
1986	Process for producing a polymer water-in-oil emulsion	U.S. 4,618,647
1986	High molecular weight water- soluble polymer and flocculating method.	U.S. 4,599,390
1985	Process for flocculation of phosphatic slimes	U.S. 4,555,346
1985	High molecular weight water soluble polymers	U.S. 4,529,782
1984	Polymer water-in-oil emulsions	U.S. 4,452,940
1982	Rapidly dissolved water soluble polymer composition	U.S. 4,325,861
1979	Process for forming ceramic bodies employing aqueous lubricants	U.S. 4,171,337
1978	Non-aqueous antifoam compositions	U.S. 4,101,442
1978	Transient antifoam composition	U.S. 4,101,443
1978	Self-dispersible antifoam compositions	U.S. 4,076,648
1977	Shaped article for conditioning hair. A blend of water soluble & insoluble polymers with inter-penetrating networks.	U.S. 4,018,729
1976	Shaped article for conditioning hair fabricated quaternary nitrogen-containing cellulose ether.	U.S. 3,992,336
1972	Method extinguishing fires & compositions, comprising cationic silicone surfactants.	U.S. 3,677,347
1971	Method extinguishing liquid hydrocarbon fires & compositions therefore comprising silicone surfactants.	U.S. 3,621,917

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