

RAYMOND FOSCANTE

Dr. Foscante has held senior technical, operational, and executive management positions in the paint, coatings, and specialty chemicals industries for the past 35 years. He has directed corporate-wide R&D, product management, product strategy, intellectual property management, quality assurance and liability management, and business development programs as both an executive (Ameron and RPM) and as a consultant (Orr & Boss). Dr. Foscante directed the reformulation of Ameron's marine and industrial maintenance coating product lines to full regulatory compliance and led the invention and development of several new coating product lines (Amerlock, Amershield, PSX, Dimetcote series 21). He specializes in the design and testing of high performance and advanced epoxy and polyurethane compositions, hybrid resin systems, latex binder systems, and inorganic (zinc-rich) primer formulations. He has conducted innovation assessments and surveys of architectural, marine, and protective coatings technologies. Dr. Foscante provides expert testimony concerning coatings and materials failure. He holds eight US patents for advanced coating concepts and has published extensively. Dr. Foscante has been Corporate R&D Director, Coatings Group Technology Vice President, Coatings Group President, and Corporate Senior Vice President for Technology and Business Development at Ameron International Corporation; Vice President of Operations, StonCor Group of RPM, Inc. He is currently senior consultant in Orr & Boss technology and strategy practice. Dr. Foscante holds a Ph.D. in chemistry from Seton Hall University, B.S. in chemistry from Manhattan College, and J.D. from the University of Missouri.

Recent Depositions / Testimony / Litigation and Legal Consultation (2004 to present)

1. **Manitowoc Marine Group** vs. Ameron International Corporation, et.al.;
U.S. Eastern District Court Case N. 03-C-0232
 - a. Data/information analyses.
 - b. Laboratory experimentation.
 - c. Opinion reports
 - d. Deposition as expert.
 - e. Testimony at trial.
 - f. *Decided 10/06.*

2. **Ocean Ships, Inc.** vs. Ameron International, et.al; 189th Judicial District
Court of Harris County, TX.
 - a. Opinion report.
 - b. Deposition as expert.
 - c. *Settled 03/05.*

3. Retained for consulting services:
 - a. **Skansi Marine** vs. Ameron International
 - i. Data/information analysis.
 - ii. Opinion letter.
 - iii. *Settled.*

 - b. **Sable Offshore Energy Inc., et.al.** vs. Ameron International, et.al.
 - i. Data/information analysis.
 - ii. Field inspections.
 - iii. Opinion reports.
 - iv. *Continuing.*

 - c. **East Bay Municipal Utility District (CA).**
 - i. *Settled.*

 - d. **Halifax Dartmouth Bridge Commission vs. Mapei Inc., et. al.**
 - i. Data/information analysis.
 - ii. Field inspection.
 - iii. Opinion reports.
 - iv. *Continuing*

 - e. **LMS Shipmanagement, Inc. vs. Jotun/Valspar**
 - i. Data/information analysis.
 - ii. Sample inspection.
 - iii. Opinion reports.
 - iv. *Continuing.*

PUBLICATIONS, PAPERS, AND REPORTS

1. Augustine, R. L., R. E. Foscante, and D. C. Migliorini, "The Effect of Medium on the Kinetics of Catalytic Hydrogenation of α , β – Unsaturated Ketones," 152nd ACS National Meeting, New York, NY, 1966.
2. Foscante, R. E., "Stability Trends for Oxyamine Compounds," 3rd Solid Propulsion Conference, Atlantic City, NJ, 1968.
3. Augustine, R. L., R. E. Foscante, and D. C. Migliorini, "Catalytic Hydrogenation of α , β – Unsaturated Ketones. The Effect of Medium on Product Stereochemistry," J. Org. Chem., 34, 1075 (1969).
4. McDowell, C. S., R. E. Foscante, F. Roberto, and G. Shoemaker, "The Synthesis and Evaluation of a New Perchlorate Oxidizer," 5th Solid Propulsion Conference, Chicago, IL, 1969.
5. Classified Project Reports – Air Force Rocket Propulsion Laboratory.
 - a. "Solid Propellant Evaluation," coauthor, 1967.
 - b. "Review of Recent Compatibility and Stability Studies of Hydrazinium Diperchlorate," 1969.
 - c. "Thermal Decomposition Studies of a New Perchlorate Oxidizer," coauthor, 1969.
 - d. "Synthesis of a new Perchlorate Oxidizer," coauthor, 1969.
 - e. "Selection and Evaluation of Catalysts for the Ambient Cure of CT Polymers, coauthor, 1970.
 - f. "Continued Evaluation of Catalysts for Epoxy Cured Polymers; Catalyst Selection for Aziridine Cure," coauthor, 1971.
 - g. "Propellant Ingredient Stabilization Additives," coauthor, 1971.
 - h. "Study of Stabilization Problems in the Aluminum Hydride – Fluoro-amino Propellant System," coauthor, 1971.
 - i. "Compatibility and Stabilities of Advanced Propellant Ingredients," coauthor, 1972.
 - j. "Ambient Temperature Cure Catalysts for Carboxy Based Binder Systems," coauthor, 1972.
6. Foscante, R. E., "Overview of New Coatings Concepts," 3rd QUINTEC Conference, San Francisco, CA, 1977.
7. Gysegem, A. P., G. H. Law, R. E. Foscante, "Synthesis of a New Organometallic Antifouling Polymer," 176th ACS National Meeting, Miami, 1978; Organic Coatings and Plastics Chemistry, 39, 583 (1978).

8. Foscante, R. E. and D. H. Gelfer, "High Solids Systems for Industrial Maintenance and Repair: Technical and Economic Analysis," High Solids Coatings, Vol 8, 3 (1983).
9. Foscante, R. E., "Tailoring the Optimum Coating System," Chemical Engineering, Vol 97, 92 (1990).
10. Montes, E., H. H. Kline, R. E. Foscante, "Designing VOC – Compliant Silicates," Materials Performance, 25 (1990).
11. Foscante, R. E., "New Developments in High Performance Protective Coatings for Chemical Processing and Pipeline Services: Polysiloxanes," NACE Canadian Western Regional Meeting, 1993.
12. Foscante, R. E., "Current and Future Protective Coating and Lining Systems for Bulk Storage Tanks," Asian Pacific Conference on Bulk Liquid Storage Tanks, Singapore, 1993.
13. Stanley, C., R. E. Foscante, "New Developments in High Performance Protective Coatings," Industrial Corrosion, October 1993.
14. Foscante, R. E., "Enhancing the Role of Purchasing in the Integrated Business Process," European Coatings Conference Nuremberg, April 2005; European Coatings Journal, 04/2005, 150-155.

MEMBERSHIPS

1. American Chemical Society (ACS).
2. National Association of Corrosion Engineers (NACE).
3. Society for Protective Coatings (SSPC).
4. National Paint and Coatings Association (NPCA) – Industrial Coatings Committee.
5. Federation of Societies for Coatings Technology (FSCT).
6. Society of Plastics Engineers (SPE).

U. S. PATENTS

1. *Aromatic Amidoamines*, R. E. Foscante, A. P. Gysegem, P. J. Martinich, US 4229563, 1980.
2. *Interpenetrating Polymer Network*, R. E. Foscante, P. J. Martinich, G. N. Law, A. P. Gysegem, US 4250074, 1981.
3. *Organotin Polysiloxane Acrylate Resin Antifouling Coating*, R. E. Foscante, C. D. Stevens, L. M. Parsons, US 4385134, 1983.
4. *Organotin Polysiloxane and Organotin Acrylate Coating Compositions*, R. E. Foscante, C. D. Stevens, L. M. Parsons, US 4670481, 1987.
5. *Polysiloxane Coating*, L. E. Ternoir, R. E. Foscante, R. F. Gasmerna, US 5275645, 1994.
6. *A Water-Borne Polysiloxane Polysilicate Binder*, R. F. Gasmerna, R. E. Foscante, US 5415688, 1995.
7. *Epoxy Siloxane Coating and Flooring Compositions*, N. R. Mowrer, R. E. Foscante, J. L. Rojas, US 5618860, 1997.
8. *Epoxy-Polysiloxane Polymer Composition*, N. R. Mowrer, R. E. Foscante, J. L. Rojas, US 5804616, 1998.