



Joseph J. Mattiello Memorial Lectures

Lecture Year	Lecturer Name and Affiliation	Lecture Publication
2023	Kurt Wood	Lecture title "Visualizing How Coatings 'Fail' – Service Life Viewed through the Lenses of Coatings Science."
2021	Wenjun Wu (Arkema)	Unpublished. Lecture title "Driving sustainable development and performance breakthrough of waterborne coatings."
2019	Michael Diebold (Chemours)	Diebold, M.P., 2020. Optimizing the benefits of TiO ₂ in paints. <i>Journal of Coatings Technology and Research</i> , 17(1), pp.1-17.
2018	Ray Fernando (California Polytechnic State University)	Unpublished. Lecture title "Rheological and Colloidal Aspects of Latex–Associative Thickener Formulations: Overcoming the Remaining Challenges"
2017	Jamil Baghdachi (Eastern Michigan University)	Unpublished. Lecture title "Smart and Multifunctional Polymers and Coatings."
2016	Donald C. Sundberg	Unpublished. Lecture title "Towards an Understanding of How Complex Latex Particles Are Formed: What Do We Know and When Did We Know It"
2014	John W. Hook III	Lecture title "Modeling White Hiding Power Helps Deliver Decades of Innovation"
2015	Danny Rich (Sun Chemical Corporation)	Rich, D.C., 2016. A review of solid-state lighting and its impact on the marketing and production of decorative coatings. <i>Journal of Coatings Technology and Research</i> , 13(1), pp.1-9.
2013	Dean Webster (North Dakota State University)	Unpublished. Lecture title "Coatings based on renewables: the promise, potential, and pitfalls."
2012	Stuart Croll (North Dakota State University)	Croll, S.G., 2013. Application and limitations of current understanding to model failure modes in coatings. <i>Journal of Coatings Technology and Research</i> , 10(1), pp.15-27.
2011	Tinh Nguyen (National Institutes of Standards and Technology)	Nguyen, T., Gu, X., Vanlandingham, M., Byrd, E., Ryntz, R. and Martin, J.W., 2013. Degradation modes of crosslinked coatings exposed to photolytic environment. <i>Journal of Coatings Technology and Research</i> , 10, pp.1-14.
2010	Willie Lau (Dow Chemical Company)	Unpublished. Lecture title "Frontier in emulsion polymerisation for coatings."
2009	Ad Overbeek (DSM NeoResins)	Overbeek, A., 2010. Polymer heterogeneity in waterborne coatings. <i>Journal of coatings technology and research</i> , 7(1), pp.1-21.
2008	Frederick "Fritz" H. Walker (Air Products and Chemicals)	Walker, F.H., Cook, M., Vedage, G. and Rasing, R., 2009. Dimethyl secondary amine chain extenders: a conceptual approach to in situ generation of advanced epoxy resins for rapid cure, low VOC coatings. <i>Journal of Coatings Technology and Research</i> , 6(3), pp.283-313.
2007	Gordon P. Bierwagen (North Dakota State University)	Bierwagen, G., 2008. The physical chemistry of organic coatings revisited—viewing coatings as a materials scientist. <i>Journal of Coatings Technology and Research</i> , 5(2), pp.133-155.



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2006	Jonathan W. Martin (National Institute of Standards and Technology)	Unpublished. Lecture title "Making a linkage between field and laboratory exposure results via a reliability-based methodology."
2005	Rose A. Ryntz (Visteon)	Ryntz, R.A., 2006. 2005 Joseph J. Mattiello Memorial Lecture: Bring back the steel – the growth of plastics in automotive applications. <i>Journal of Coatings Technology and Research</i> , 3(1), pp.2-2.
2004	George R. Pilcher (Akzo Nobel Coatings)	Pilcher, G.R., 2005. 2004 Joseph J. Mattiello Memorial lecture: Challenge 2005 and beyond – recognition, transformation, and profitable use of innovative thinking. <i>Journal of Coatings Technology and Research</i> , 2(5), pp.342-342.
2003	Charles R. Hegedus (Air Products & Chemicals)	Hegedus, C.R., 2004. 2003 Joseph J. Mattiello memorial lecture: A holistic perspective of coatings technology. <i>Journal of Coatings Technology and Research</i> , 1(1), pp.4-19.
2002	John Gerlock (Ford Research Labs)	Gerlock, J., 2003. Evaluation of accelerated weathering tests for automotive clearcoats using transmission fourier transform infrared spectroscopy. <i>Journal of Coatings Technology</i> , January, pp 34-45.
2001	Mitchell A. Winnik (University of Toronto)	Winnik, M.A., 2002. Interdiffusion and crosslinking in thermoset latex films. <i>Journal of Coatings Technology</i> , February, pp 48-63.
2000	David R. Bassett (UCAR Emulsion Systems)	Bassett, D.R., 2001. Hydrophobic coatings from emulsion polymers. <i>Journal of Coatings Technology</i> , January, pp 43-55.
1999	Robert F. Brady, Jr. (Naval Research Laboratory)	Brady, R.F., 2000. Clean hulls without poisons: devising and testing nontoxic marine coatings. <i>Journal of Coatings Technology</i> , January, pp 44-56.
1998	Clifford K. Schoff (PPG Industries)	Schoff, C.K., 1999. Surface defects: diagnosis and cure. <i>Journal of Coatings Technology</i> , January, pp 56-73.
1997	F. Louis Floyd (Duron Paint & Wallcoverings)	Floyd, F.L., 1998. Reducing product development cycle times without increasing risk. <i>Journal of Coatings Technology</i> , January, pp 70-81.
1996	David Bauer (Ford Motor Co)	Bauer, D., 1997. Predicting in-service weatherability of automotive coatings: a new approach. <i>Journal of Coatings Technology</i> , January, pp 85-96.
1995	Frank N. Jones (Eastern Michigan University)	Jones, F.N., 1996. Toward solventLESS liquid coatings. <i>Journal of Coatings Technology</i> , January, pp 25-36.
1994	Richard Eley (Glidden Co.)	Unpublished. Lecture title "Characterization and analysis of coatings rheology and coatings flow."
1993	Ray A. Dickie (Ford Motor Co.)	Dickie, R.A., 1994. Adhesion and interfacial chemistry: chemical origins of paint performance. <i>Journal of Coatings Technology</i> , July, pp 28-37.
1992	John L. Gardon (Akzo Coatings, Inc.)	Gardon, J.L., 1993. Polyurethane polyols: ester-bond-free resins for high-solids coatings. <i>Journal of Coatings Technology</i> , April, pp 24-33.



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1991	Loren W. Hill (Monsanto Chemical Co.)	Hill, L.W., 1992. Structure/property relationships of thermoset coatings. <i>Journal of Coatings Technology</i> , May, pp 28-42.
1990	Henry Leidheiser (Lehigh University)	Leidheiser, H., 1991. Electrochemical techniques for studying protective polymeric coatings. <i>Journal of Coatings Technology</i> , November, pp 20-31.
1989	Marco Wismer (Consultant)	Wismer, M., 1990. Learning to leap: rising to the technical challenge of today's coatings industry. <i>Journal of Coatings Technology</i> , January, pp 82-88.
1988	Theodore Provder (The Glidden Co.)	Provder, T., 1989. Cure characterization in product research and development. <i>Journal of Coatings Technology</i> , March, pp 32-50.
1987	Werner Funke (University of Stuttgart)	Funke, W., 1988. Microgels—intramolecularly crosslinked macromolecules—potent components of organic coatings. <i>Journal of Coatings Technology</i> , December, pp 68-76.
1986	Zeno W. Wicks, Jr. (North Dakota State University)	Wicks, Z.W., 1986. Free volume and the coatings formulator. <i>Journal of Coatings Technology</i> , December, pp 22-32.
1985	Ruth Johnston-Feller (Mellon Institute)	Johnston-Feller, R., 1986. Reflections on the phenomenon of fading. <i>Journal of Coatings Technology</i> , May, pp 22-50.
1984	Thomas J. Miranda (Whirlpool Corp.)	Miranda, T.J., 1985. Reading the signals of society: technology push or market pull. <i>Journal of Coatings Technology</i> , February, pp 22-32.
1983	Fred K. Daniel (Daniel Products Co.)	Daniel, F.K., 1984. The obstacle course from mill base to finished product. <i>Journal of Coatings Technology</i> , January, pp 38-46.
1982	Shelby F. Thames (University of Southern Mississippi)	Thames, S.F., 1983. bunte salts as crosslinking agents in thermosetting water-borne polymers. <i>Journal of Coatings Technology</i> , November, pp 33-39.
1981	Werner Blank (American Cyanamid)	Blank, W., 1982. Amino resins for high solids coatings. <i>Journal of Coatings Technology</i> , April, pp 26-41.
1980	Pierce E. Pierce (PPG Industries)	Pierce, P.E., 1981. Physical chemistry of the cathodic electrodeposition process. <i>Journal of Coatings Technology</i> , January, pp 52-67.
1979	Charles Kumins (Tremco)	Kumins, C., 1980. Physical chemical models for organic protective coatings. <i>Journal of Coatings Technology</i> , May, pp 39-53.
1978	Kenneth L. Hoy (Union Carbide)	Hoy, K.L., 1979. Effect of reaction pathway on emulsion polymer structure. <i>Journal of Coatings Technology</i> , April, pp 27-41.
1977	Walter K. Asbeck (Consultant)	Asbeck, W.K., 1977. Dispersion and agglomeration: effects on coatings performance. <i>Journal of Coatings Technology</i> , December, pp 59-70.
1976	Howard L. Gerhart (Carnegie-Mellon University)	Gerhart, H.L., 1977. The coatings engineer, the corporation and the university. <i>Journal of Coatings Technology</i> , January, pp 37-48.
1975	Raymond R. Myers (Kent State University)	Myers, R.R., 1976. A prospectus for basic research. <i>Journal of Coatings Technology</i> , February, pp 27-41.



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1974	Milton A. Glaser (Dexter Corp.)	Glaser, M.A., 1974. Innovation in organic coatings. <i>Journal of Paint Technology</i> , December, pp 39-58.
1973	George E.F. Brewer (Consultant)	Brewer, G.E.F., 1973. Electrodeposition of paint: achievement through parallel efforts. <i>Journal of Paint Technology</i> , December, pp 35-47.
1972	Hans Raaschou Nielsen (Scandinavian Paint and Printing Ink Research Institute)	Nielsen, H.R., 1973. Cooperation—national and international. <i>Journal of Paint Technology</i> , January, pp 37-53.
1971	William A. Zisman (Naval Research Laboratory)	Zisman, W.A., 1972. Surface energetics of wetting, spreading, and adhesion. <i>Journal of Paint Technology</i> , January, pp 42-57.
1970	Temple C. Patton (Consultant to The Baker Castor Oil Co.)	Patton, T.C., 1970. Reflections of a paint engineer on paint flow, interface physics, and pigment dispersion. <i>Journal of Paint Technology</i> , December, pp 665-694.
1969	Harry Burrell (Inmont Corp.)	Burrell, H., 1970. Entropy—the hidden ingredient. <i>Journal of Paint Technology</i> , January, pp 3-15.
1968	Fred W. Billmeyer, Jr. (Rensselaer Polytechnic Institute)	Billmeyer, F.W., 1969. molecular structure and polymer properties. <i>Journal of Paint Technology</i> , January, pp 3-16.
1967	Fred B. Stieg, Jr. (Titanium Pigment Corp.)	Stieg, F.B., 1967. Particle size as a formulating parameter. <i>Journal of Paint Technology</i> , December, pp 701-715.
1966	Charles C. Price (University of Pennsylvania)	Price, C.C., 1966. Polyxylenol. <i>Journal of Paint Technology</i> , December, pp 703-709.
1965	David MacAdam (Eastman Kodak Co.)	MacAdam, D., 1965. Color measurement and tolerances. <i>Official Digest</i> , December, pp 1487-1531.
1964	Norman Hackerman (University of Texas)	Hackerman, N., 1964. Surfaces, sorption and polymers in the inhibition of corrosion reactions. <i>Official Digest</i> , December, pp 1405-1432.
1963	Daniel Swern (United States Department of Agriculture)	Swern, D., 1963. Fundamental research on fats: a new frontier for surface coatings. <i>Official Digest</i> , December, pp 1269-1310.
1962	Edward G. Bobalek (Case Institute of Technology)	Bobalek, E.G., 1962. Paint among engineering materials. <i>Official Digest</i> , December, pp 1293-1332.
1961	Louis Arnold Jordan (Paint Research Station, Teddington, England)	Jordan, L.A., 1961. Science and society—master or servant. <i>Official Digest</i> , December, pp 1533-1560.
1960	Henry F. Payne (University of Florida)	Payne, H.F., 1960. Philosophy of coatings. <i>Official Digest</i> , November, pp 1371-1434.
1959	Vincent C. Vesce (Harmon Colors, Allied Chemical Corp.)	Vesce, V.C., 1959. Exposure studies of organic pigments in paint systems. <i>Official Digest</i> , December, Part 2.
1958	Eugene G. Rochow (Harvard University)	Rochow, E.G., 1958. In pursuit of an ideal. <i>Official Digest</i> , December, pp 1310-1331.
1957	Albert C. Zettlemyer (National Printing Ink Research Institute)	Zettlemyer, A.C., 1957. The pigment-vehicle interface. <i>Official Digest</i> , December, pp 1234-1271.
1956	Maurice Van Loo (Sherwin-Williams)	Van Loo, M., 1956. Physical chemistry of paint coatings—a constant search. <i>Official Digest</i> , December, pp 1126-1156.
1955	Herman F. Mark (Polytechnic Institute of Brooklyn)	Mark, H.F., 1955. Graft and block copolymers as building blocks in the coatings field. <i>Official Digest</i> , November, pp 771-778.



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1954	James S. Long (Devoo & Raynolds Co.)	Long, J.S., 1954. Creative imagination as it applies to the decorative and protective coatings industry. <i>Official Digest</i> , November, pp 989-1024.
1953	Adolpf C. Elm (The New Jersey Zinc Co. of Pennsylvania)	Elm, A.C., 1953. Some mechanical properties of paint films. <i>Official Digest</i> , November, pp 751-774.
1952	John R. MacGregor (John R. MacGregor Lead Co.)	MacGregor, J.R., 1952. The unexplored field of exterior paint. <i>Official Digest</i> , December, pp 869-880.
1951	Donald H. Wheeler (General Mills)	Wheeler, D.H., 1951. Thermal polymerization of esters of unsaturated fatty acids. <i>Official Digest</i> , November, pp 661-668.
1950	Theodore F. Bradley (Shell Development Co.)	Bradley, T.F., 1950. Some new developments in drying oil and varnish technology. <i>Official Digest</i> , November, pp 795-805.
1949	Roy H. Kienle (American Cyanamid)	Kienle, R.H., 1950. Physical chemical research in the protective coatings industry. <i>Official Digest</i> , January, pp 11-51.