

## CURRICULUM VITAE

Name: Eric W. Kaler

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Current Position: Professor and President Emeritus, University of Minnesota

Education: 1978 B.S., California Institute of Technology (with honors)  
1982 Ph.D., University of Minnesota

### Professional Experience:

2011 - 2019 University of Minnesota, President  
2011 - University of Minnesota, Professor of Chemical Engineering and Materials Science  
2008 - 2011 Stony Brook University, Vice President for Brookhaven Affairs  
2007 - 2011 Stony Brook University, Provost and Senior Vice President for Academic Affairs  
2007 - 2011 Stony Brook University, Professor of Engineering and of Chemistry  
2007 - 2008 University of Delaware, Adjunct Professor of Chemical Engineering  
2000 - 2007 University of Delaware, Dean of College of Engineering  
1998 - 2007 University of Delaware, Elizabeth Inez Kelley Professor of Chemical Engineering  
1996 - 2000 University of Delaware, Chair of Chemical Engineering  
1991 - 1998 University of Delaware, Professor of Chemical Engineering  
1989 - 1991 University of Delaware, Associate Professor of Chemical Engineering  
1987 - 1989 University of Washington, Associate Professor of Chemical Engineering  
1982 - 1987 University of Washington, Assistant Professor of Chemical Engineering  
1978 - 1982 University of Minnesota, Research and Teaching Assistant with L. E. Scriven and H. T. Davis - Thesis: "Surfactant Microstructures"  
1979 Summer Intern, Oak Ridge National Laboratory, Oak Ridge, TN  
1978 Summer Research Associate, Chevron Oil Field Research Co., La Habra, CA

Professional Organizations: American Institute of Chemical Engineers, American Chemical Society, American Society for Engineering Education, American Crystallographic Association, American Association for the Advancement of Science

Awards and Activities: Member, American Academy of Arts and Sciences, 2014; Finlayson Lecturer, University of Washington, 2013; Charter Fellow, National Academy of Inventors, 2013; Fellow, Neutron Scattering Society of America, 2012; Member, National Academy of Engineering, 2010; Fellow, American Chemical Society, 2010; Kash Mittal Award from the Surfactants in Solution Symposium, 2006; Chair, *Colloidal, Macromolecular & Polyelectrolyte Solutions*, Gordon Research Conference, 2006; Chemical Society of Japan Division of Colloid and Surface Chemistry's 2005 Lectureship Award; E. Arthur Trabant Institutional Award for Women's Equity, 2005; Chilton Award, Wilmington AIChE Section, 2002; AAAS Fellow, 2001; Ashton Cary Lecturer, Georgia Tech, 2001; Co-Chair, *Supramolecular Chemistry*, Gordon Research Conference, 1999; ACS Delaware Section Award, 1998; ACS

Award in Colloid or Surface Chemistry, 1998; ASEE Curtis W. McGraw Research Award, 1995; Visiting Professor, Universität Graz, 1995; Chair, *Chemistry at Interfaces*, Gordon Research Conference, 1994; Who's Who in the East, 1992-; Who's Who in the West, 1986-90; Outstanding Young Men of America, 1985; Presidential Young Investigator, 1984-1989; Donald S. Clark Award (Caltech), 1977; Presidential Scholar, 1974

Past Editorial  
Boards:

*Langmuir*, *Colloids and Surfaces*, *Journal of Colloid and Interface Science*, *AICHE Journal*, *European Physics Journal E*; co-editor-in-chief of *Current Opinion in Colloid & Interface Science*

National and  
Civic Boards:

U.S. Homeland Security Academic Advisory Council and Co-chair of HSAAC's Academic Subcommittee on Countering Violent Extremism; Chair, National Collegiate Athletic Association Division I Board of Directors and Board of Governors Member; Chair, Big Ten Council of Presidents and Chancellors; Co-chair, Generation Next; Greater Twin Cities United Way Board of Directors

Past Advisory  
Boards:

Departments of Chemical Engineering at Johns Hopkins University, Lehigh University, North Carolina State University, and University of California Santa Barbara; College of Engineering at University of Pittsburgh; Surfactant Science Series, Marcel Dekker, Inc.; Guthrie Theater.

Personal:

Born 23 September 1956

## Doctoral Theses:

1. Chang, Nien-Yuan James, "Light Scattering Studies of Surfactant Structures in Colloidal Solutions" (PhD 1986)
2. Wormuth, Klaus R., "Phase Behavior and Microstructure of Microemulsions" (PhD 1988)
3. Hamilton, Robert T., "Transport in Vesicles and Microemulsions: Permeability and Percolation" (PhD 1989)
4. Madani, Hassan, "Vesicle Aging and Reversion" (PhD 1989)
5. Billman, John F., "Structure and Phase Behavior in Microemulsions" (PhD 1990)
6. Martino, Anthony, "Phase Behavior and Microstructure of Non-Aqueous Surfactant Solutions" (PhD 1991)
7. Rodriguez, Beatriz E., "Behavior of Concentrated Dispersions" (PhD 1991)
8. Douglas, Carl B., "Aqueous Mixtures of Nonionic and Anionic Surfactants" (PhD 1993)
9. Long, Michelle A., "Characterization of Surfactant Aggregates in Bile Using Small-Angle Scattering" (PhD 1993)
10. Full, Andrew P., "Structure and Reaction of Polymerizable Microemulsions" (PhD 1994)
11. Herrington, Kathleen L., "Phase Behavior and Microstructure in Aqueous Mixtures of Oppositely Charged Surfactants" (PhD 1994)
12. Koehler, Richard D., "Solid Dispersions in Structured Surfactant Solutions" (PhD 1995)
13. Kline, Steven R., "Stability and Phase Behavior of Colloidal Mixtures: Microemulsions and Solid Dispersions" (PhD 1996)
14. Luk, Andrew S. K., "The Kinetics of Structural Changes of Surfactant Aggregates in Bile" (PhD 1996)
15. Lusvardi (Marritt), Kate A., "Polymerization in Methacrylate Microemulsions" (PhD 1996)
16. Brasher, Laura L., "Phase Behavior and Microstructure of Surfactant Mixtures" (PhD 1996)
17. Zielinski, Richard G., "Phase Behavior, Microstructure, and Phase Separation Kinetics in Water/Compressible Fluid/Surfactant Mixtures" (PhD 1997)
18. Ashbaugh, Henry S., "The Hydration of Amphiphilic Solutes: A Theoretical and Modeling Perspective" (PhD 1998) (with M.E. Paulaitis)
19. Ryan, Larry D., "Phase Behavior and Microstructure of Alkyl Polyglucoside Microemulsion" (PhD 1998)
20. Salamat, Golchi, "Colloidal Dispersions in Weakly Structured and Anisotropic Surfactant Mixtures" (PhD 1998)
21. Iampietro, Daniel J., "Phase Behavior and Microstructure in Hydrocarbon and Fluorocarbon Surfactant Mixtures" (PhD 1999)
22. Wrenn, Steven P., "Studies of Cholesterol Nucleation in Model Bile Systems Using Fluorescence Energy Transfer" (PhD 1999)
23. Co, Carlos C., "Microemulsion Polymerization" (PhD 2000)
24. McKelvey, Craig A., "Templating in Organized Media" (PhD 2001)
25. Silas, James A., "The Phase Behavior and Microstructure of Silicone Oil Microemulsions" (PhD 2002)
26. Schubert, Beth A., "The Microstructure and Rheology of Charged, Wormlike Micelles" (PhD 2003)
27. Baser, Belgin, "The Phase Behavior and Microstructure of Alkyl Monoglucoside Solutions" (PhD 2004)

**Doctoral Theses continued:**

28. Hermanson, Kevin D., "Polymerization in Microemulsions" (PhD 2004)
29. Gonzalez, Yamaira I., "Templating and Phase Behavior in Mixtures of Surfactants and Hydrotropes" (PhD 2005)
30. Labourt-Ibarre, Maider A., "Micellar Networks in Surfactant Solutions" (PhD 2005)
31. Lapitsky, Yakov, "Interactions of Oppositely Charged Surfactants and Polyelectrolytes in Aqueous Solutions and Gels" (PhD 2006)
32. Santonicola, Mariagabriella, "Molecular Self-Assembly and Interactions in Solutions of Membrane Proteins and Surfactants" (PhD 2006) (with A.M. Lenhoff)
33. O'Donnell, Jennifer M., "Reversible Addition-Fragmentation Chain Transfer In Microemulsion Polymerizations" (PhD 2007)
34. Dumetz, Andre C., "Protein Interactions and Phase Behavior in Aqueous Solutions: Effects of Salt, Polymer, and Organic Additives" (PhD 2007) (with A.M. Lenhoff)
35. Bianco, Carolina, "Role of Nonionic Surfactants in Promoting the Folding and Stability of Integral Membrane Proteins" (PhD 2008) (with A.M. Lenhoff)
36. Hodgdon, Travis K., "Cryogenic Transmission Electron Microscopy as a Probe of Microstructural Transitions in Complex Fluids" (PhD 2008)
37. Helgeson, Matthew E., "Structure, Rheology, and Thermodynamics of Wormlike Micelle-Nanoparticle Mixtures" (PhD 2009) (with N.J. Wagner)

**Masters Theses:**

1. Johnson, Norman W., "Reversion of Surfactant Vesicles" (MSc 1985)
2. Dumin, Nels A., "The Partitioning Behavior of Polystyrene Spheres in Aqueous Two-Phase Systems of Polymers and Salt" (MChE 1993)
3. Chutny (Holte), Laura L., (MChE 1997) – Non-Thesis
4. Quarcoo, Naa Larteokor, "Modeling Polymer – Colloid Phase Behavior" (MChE 2006)

## Publications:

### Books:

1. "Giant Micelles: Properties and Applications," R. Zana and E.W. Kaler, editors. Taylor & Francis, Boca Raton, FL. 554 pages (2007).

### Journal Articles:

**As of April 2021, these papers have been cited more than 16,200 times (ISI Web of Science), with an *h-factor* of 66. 44 are cited 100 or more times.**

1. "A Model of Dynamic Scattering by Microemulsions," E. W. Kaler and S. Prager, *J. Colloid Interface Sci.* 86, 359 (1982).
2. "Alcohol Effects on Transitions in Liquid Crystalline Dispersions," P. K. Kilpatrick, F. D. Blum, H. T. Davis, A. H. Falls, E. W. Kaler, W. G. Miller, J. E. Puig, L. E. Scriven, Y. Talmon and N. A. Woodbury in *Microemulsions* (I. D. Robb, ed.), Plenum Press, New York, 1982 (p. 143).
3. "Characterization and Aging of Aqueous Vesicular Dispersions of Sodium 4-(1'-heptyl-nonyl) Benzenesulfonate," E. W. Kaler, A. H. Falls, H. T. Davis, L. E. Scriven and W. G. Miller, *J. Colloid Interface Sci.* 90, 424 (1982).
4. "Liquid Crystals in a Fused Salt:  $\beta$ ,  $\gamma$ -Distearoyl Phosphatidylcholine in Ethyl-ammonium Nitrate," D. F. Evans, E. W. Kaler and W. J. Benton, *J. Phys. Chem.* 87, 5673 (1983).
5. "Towards Understanding Microemulsion Microstructure: A Small Angle X-ray Scattering Study," E. W. Kaler, K. E. Bennett, H. T. Davis and L. E. Scriven, *J. Chem. Phys.* 79, 5673 (1983).
6. "Towards Understanding Microemulsion Microstructure. II," E. W. Kaler, H. T. Davis and L. E. Scriven, *J. Chem. Phys.* 79, 5685 (1983).
7. "Position-Sensitive Detectors for Small-Angle Scattering," E. W. Kaler, *Trans. Amer. Crystallogr. Assoc.* 19, 47 (1983).
8. "Fluid Microstructures of Sodium 4-(1'-heptylnonyl) Benzenesulfonate Mixtures," W. G. Miller, F. D. Blum, H. T. Davis, E. I. Franses, E. W. Kaler, P. K. Kilpatrick, K. E. Nietering, J. E. Puig and L. E. Scriven, in "Surfactants in Solution," (K. L. Mittal and B. Lindman, eds.), Plenum Press, New York, 1984 (Vol. 1, p. 175).
9. "Mixed Micelles of Sodium Dodecyl Sulfate and Sodium 4-(1'-heptylnonyl) Benzene-sulfonate," E. W. Kaler, J. E. Puig and W. G. Miller, *J. Phys. Chem.* 88, 2887 (1984).
10. "Use of a One-Dimensional Position Sensitive Detector with a Kratky Camera," E. W. Kaler, *J. Appl. Cryst.* 17, 370 (1984).
11. "The Structure of Sodium Dodecyl Sulfate Micelles in Solutions of H<sub>2</sub>O and D<sub>2</sub>O," N. Y. J. Chang and E. W. Kaler, *J. Phys. Chem.* 89, 2996 (1985).
12. "Quasielastic Light Scattering Study of Five Component Microemulsions," N. Y. J. Chang and E. W. Kaler, *Langmuir* 2, 184 (1986).
13. "On the Structure of Five Component Microemulsions," N. J. Chang, J. F. Billman, R. A. Licklider and E. W. Kaler, in "Micellar Solutions and Microemulsions," (S. - H. Chen and R. Rajagopalan eds.), Springer - Verlag, New York, 1990 (p. 269).
14. "Ionic Permeability of Synthetic Vesicles," R. T. Hamilton and E. W. Kaler, *J. Colloid and Interface Sci.* 116, 248 (1987).

15. "Size Disproportionation in Vesicular Dispersions," N. W. Johnson and E. W. Kaler, *J. Colloid and Interface Sci.* 116, 444 (1987).
16. "Structural Study of One-phase Microemulsions," D. S. Rushforth, M. Sanchez-Rubio, L. M. Santos-Vidals, K. R. Wormuth, E. W. Kaler, R. Cuevas, and J. E. Puig, *J. Phys. Chem.* 90, 6668 (1986).
17. "Amines as Microemulsion Cosurfactants," K. R. Wormuth and E. W. Kaler, *J. Phys. Chem.* 91, 611 (1987).
18. "Partial Characterization of a Nonmicellar System of Cholesterol Solubilization in Human Bile," S. P. Lee, H. Z. Park, H. Madani and E. W. Kaler, *Am. J. Physiology* 252, G374 (1987).
19. "Statics and Dynamics of Concentration Fluctuations in Nonionic Micellar Solutions," J. P. Wilcoxon and E. W. Kaler, *J. Chem. Phys.* 86, 4684 (1987).
20. "Scattering Probes of Microemulsion Structure," in "Physics of Amphiphilic Layers" (J. Meunier, D. Langevin and N. Boccara , eds.), Springer - Verlag, Berlin, p. 364 (1987).
21. "Small Angle Scattering of Bicontinuous Structures in Microemulsions," C. G. Vonk, J. F. Billman and E. W. Kaler, *J. Chem. Phys.* 88, 3970 (1988).
22. "Small-Angle Scattering As a Tool for the Study of Microemulsion Structure," E. W. Kaler, *Makromol. Chem., Macromol. Symp.* 15, 323 (1988).
23. "Non-equilibrium Structure During Phase Separation," J. P. Wilcoxon, D. W. Schaefer and E. W. Kaler, *Phys. Rev. Lett.* 60, 333 (1988).
24. "Measurement of Polydisperse Colloidal Suspensions with Quasielastic Light Scattering," H. Madani and E. W. Kaler, *Particle and Particle Systems Characterization* 8, 259 (1991).
25. "Properties and Structures of Three and Four Component Microemulsions," J. E. Puig, I. Rodriguez-Siordia, L. I. Rangel-Zamudio, J. F. Billman and E. W. Kaler, *Langmuir* 4, 806 (1988).
26. "Modelling Small Angle Scattering from Colloidal Suspensions," E. W. Kaler, *J. Appl. Cryst.* 21, 729 (1988).
27. "Lamellar Phases in Mixtures of Low Molecular Weight Alkanols and Cetyltrimethyl-ammonium Bromide (CTAB)," K. A. Murthy and E. W. Kaler, *Coll. Polym. Sci.* 267, 330 (1989).
28. "Effects of Isotopic Substitution on the Critical Behavior of Aqueous Solutions of n-dodecylhexaoxy-ethylene glycol monoether (C<sub>12</sub>E<sub>6</sub>)," J. P. Wilcoxon, D. W. Schaefer and E. W. Kaler, *J. Chem. Phys.* 90, 1909 (1989).
29. "Microemulsifying Polar Oils," K. R. Wormuth and E. W. Kaler, *J. Phys. Chem.* 93, 4855 (1989).
30. "Structure and Phase Behavior in Five-Component Microemulsions," J. F. Billman and E. W. Kaler, *Langmuir* 6, 611 (1990).
31. "On the Solubilization of Dyes in Microemulsions," K. R. Wormuth, L. A. Cadwell and E. W. Kaler, *Langmuir* 6, 1035 (1990).
32. "Aging and Stability of Vesicular Dispersions," H. Madani and E. W. Kaler, *Langmuir* 6, 125 (1990).
33. "Alkali Metal Ion Transport through Thin Bilayers," R. T. Hamilton and E. W. Kaler, *J. Phys. Chem.* 94, 2560 (1990).
34. "Facilitated Ion Transport through Thin Bilayers," R. T. Hamilton and E. W. Kaler, *J. Memb. Sci.* 54, 259 (1990).
35. "Interconversions of Lipid Aggregates in Rat and Model Bile," T. E. Little, S. P. Lee, H. Madani, K. Chinn and E. W. Kaler, *Am. J. Physiology* 260 G70-79 (1991).

36. "Spontaneous Vesicle Formation in Aqueous Mixtures of Single-Tailed Surfactants," E. W. Kaler, A. K. Murthy, B. E. Rodriguez, and J. Zasadzinski, *Science* 245, 1371 (1989).
37. "Phase Behavior and Microstructure of Nonaqueous Microemulsions," A. Martino and E. W. Kaler, *J. Phys. Chem.* 94, 1627 (1990).
38. "Styrene Polymerization in Three-Component Microemulsions," V. H. Pérez-Luna, J. E. Puig, V. M. Castaño, B. E. Rodriguez, A. K. Murthy and E. W. Kaler, *Langmuir* 6, 1040 (1990).
39. "Microemulsion Copolymerization of Styrene and Acrylic Acid," J. E. Puig, S. Corona-Galvan, A. Maldonado, P. C. Schulz, B. E. Rodriguez and E. W. Kaler, *J. Colloid and Interface Sci.* 137, 308 (1990).
40. "A Small-Angle Neutron Scattering Study of Intermicellar Interactions in Microemulsions of AOT (Sodium bis(2-ethylhexyl) Sulfosuccinate), Water, and Near-critical Propane," E. W. Kaler, J. F. Billman, J. L. Fulton, and R. D. Smith, *J. Phys. Chem.* 95, 458 (1991).
41. "Measurements of Interdroplet Attractions and the Onset of Percolation in Water-in-Oil Microemulsions," R. T. Hamilton, J. F. Billman and E. W. Kaler, *Langmuir* 6, 1696 (1990).
42. "A Four Component Lattice Model for Nonaqueous Microemulsions made with Nonionic Surfactants," A. Martino, M. Schick and E. W. Kaler, *J. Chem. Phys.* 93, 8228 (1990).
43. "Structure and Phase Behavior in Four-Component Nonionic Microemulsions" J. F. Billman and E. W. Kaler, *Langmuir* 7, 1609 (1991).
44. "Spontaneous Vesicles from Aqueous Solutions of Aerosol OT and Choline Chloride Compounds," A. K. Murthy, E. W. Kaler and J. A. N. Zasadzinski, *J. Colloid and Interface Sci.* 145, 598 (1991).
45. "Phase Behavior of Aqueous Mixtures of n-Dodecylhexaoxyethylene Glycol Monoether (C<sub>12</sub>E<sub>6</sub>) and Sodium Alkyl Sulfonates," C. B. Douglas and E. W. Kaler, *Langmuir* 7, 1097 (1991).
46. "Lipid Vesicle Fusion Induced by Phospholipase C Activity in Model Bile," T. E. Little, H. Madani, S. P. Lee and E. W. Kaler, *J. Lipid Res.* 34, 211 (1993).
47. "Reversible Gelation of Microgels Due to Colloidal Crystallization," B. E. Rodriguez, M. S. Wolfe and E. W. Kaler, *Polym. Preprints* 32, 465 (1991).
48. "Comparison of Oil-Soluble and Water-Soluble Initiation of Styrene Polymerization in a Three-Component Microemulsion," J. E. Puig, V. H. Pérez-Luna, M. Pérez-González, E. R. Macías, B. E. Rodríguez and E. W. Kaler, *Coll. Polym. Sci.* 271 114 (1993).
49. "A Hot Melt Ink for Thermal Jet Printing," A. H. Sporer, E. W. Kaler and A. K. Murthy, *J. Imaging Tech.* 36, 176 (1992).
50. "Phase Behavior and Structures of Mixtures of Anionic and Cationic Surfactants," E. W. Kaler, K. L. Herrington, A. K. Murthy, and J. A. N. Zasadzinski, *J. Phys. Chem.* 96, 6698 (1992).
51. "Phase Behavior of Aqueous Mixtures of Anionic and Cationic Surfactants Along a Dilution Path," E. W. Kaler, K. L. Herrington, D. D. Miller, and J. A. N. Zasadzinski, in "Structure and Dynamics of Supramolecular Aggregates," (S. -H. Chen, J. S. Huang, and P. Tartaglia, eds.), Kluwer Academic Publishers, Dordrecht, The Netherlands, p. 571 (1992).
52. "A Continuous Dilution Method for Phase Diagram Determination," H. Hartounian, J. A. Koetitz, E. W. Kaler and S. I. Sandler, *AIChE Journal* 40, 1574 (1994).
53. "Effect of Temperature on the Phase Equilibrium of Aqueous Two-Phase Polymer Systems," H. Hartounian, E. Floeter, E. W. Kaler and S. I. Sandler, *AIChE Journal* 39, 1976 (1993).
54. "Binary Mixtures of Monodisperse Latex Dispersions. 1. Equilibrium Structure," B. E. Rodriguez and E. W. Kaler, *Langmuir* 8, 2376 (1992).

55. "Binary Mixtures of Monodisperse Latex Dispersions. 2. Viscosity," B. E. Rodriguez, E. W. Kaler and M. S. Wolfe, *Langmuir* 8, 2382 (1992).
56. "A Scattering Study of Mixed Micelles of n-Dodecylhexaoxyethylene Glycol Monoether (C<sub>12</sub>E<sub>6</sub>) and Sodium Dodecyl Sulfonate (C<sub>12</sub>SO<sub>3</sub>Na) in D<sub>2</sub>O," C. B. Douglas and E. W. Kaler, *Langmuir* 10, 1075 (1994).
57. "The Stability of Lamellar Phases in Water, Propylene Glycol, and Surfactant Mixtures," A. Martino and E. W. Kaler, *Colloids and Surfaces* 99, 91 (1995).
58. "Spontaneous Vesicles and Other Solution Structures in Catanionic Mixtures," E. W. Kaler, K. L. Herrington and J. A. N. Zasadzinski, in "Complex Fluids" (E. B. Sirota, D. Weitz, T. A. Witten, and J. Israelachvili, eds.), MRS Symposium Proceedings, Vol. 248, p. 3 (1992).
59. "Polymerization of Tetrahydrofurfuryl Methacrylate in Three-Component Anionic Microemulsions," A. P. Full, J. E. Puig, L. U. Gron, E. W. Kaler, J. R. Minter, T. H. Mourey and J. Texter, *Macromolecules* 25, 5157 (1992).
60. "A Calcium Binding Protein in Bile and Gallstones," M. F. Kestell, J. Sekijima, S. P. Lee, H. Z. Park, M. A. Long and E. W. Kaler, *Hepatology* 16, 1315 (1992).
61. "Reversible Solidification of Hard Sphere-Like Dispersions Due to Colloidal Crystallization," B. E. Rodriguez, M. S. Wolfe and E. W. Kaler, *Langmuir* 9, 12 (1993).
62. "Polymerization of Methylmethacrylate in Three-Component Cationic Microemulsions," L. A. Rodriguez-Guadarrama, E. Mendizabal, J. E. Puig and E. W. Kaler, *J. Appl. Poly. Sci.* 48, 775 (1993).
63. "Emulsion Copolymerization of Styrene and Sodium Acrylate," with S. Nuño-Donlucus, A. I. Rhoton, S. Corona-Galvan, J. E. Puig and E. W. Kaler, *Polymer Bulletin* 30, 207 (1993).
64. "Cholesterol Carriers in Human Bile: are "Lamellae" Involved?," D. E. Cohen, E. W. Kaler and M. C. Carey, *Hepatology* 18, 1522 (1993).
65. "Phospholipase-C Induced Aggregation and Fusion of Cholesterol-Lecithin Small Unilamellar Vesicles," A. Luk, E. W. Kaler and S. P. Lee, *Biochemistry* 32, 6965 (1993).
66. "Colloidal Interactions in Water/ 2-Butoxyethanol Solvents," S. R. Kline and E. W. Kaler, *Langmuir* 10, 412 (1994).
67. "Bilayer Phases in Aqueous Mixtures of Dodecylpentaoxyethylene Glycol Monoether (C<sub>12</sub>E<sub>5</sub>) and Sodium Decyl Sulfonate (C<sub>10</sub>SO<sub>3</sub>Na)," C. B. Douglas and E. W. Kaler, *J. Chem. Soc., Faraday Trans.* 90, 471 (1994).
68. "Basic Surfactant Concepts," Chapter 1 of "Detergents and Cleaners, A Handbook For Formulators," K. R. Lange, Ed., p. 1, Carl Hanser Verlag (1994).
69. "Particle Nucleation During Microemulsion Polymerization of Methyl Methacrylate," F. Bléger, A. K. Murthy, F. Pla and E. W. Kaler, *Macromolecules* 27, 2559 (1994).
70. "Phase Behavior of Aqueous Mixtures of Dodecyltrimethylammonium Bromide (DTAB) and Sodium Dodecyl Sulfate (SDS)," K. L. Herrington, E. W. Kaler, D. D. Miller, J. A. Zasadzinski and S. Chiruvolu, *J. Phys. Chem.* 97, 13792 (1993).
71. "Characterization of Lecithin-Taurodeoxycholate Mixed Micelles Using Small Angle Neutron Scattering and Static and Dynamic Light Scattering," M. A. Long, E. W. Kaler, S. P. Lee, and G. D. Wignall, *J. Phys. Chem.* 98, 4402 (1994).
72. "Microemulsifying Fluorinated Oils," K. -V. Schubert and E. W. Kaler, *Colloids and Surfaces* 84, 97 (1994).
73. "Structural Characterization of the Micelle-Vesicle Transition in Lecithin-Bile Salt Solutions," M. A. Long, E. W. Kaler and S. P. Lee, *Biophysical J.* 67, 1733 (1994).



74. "Aqueous Two-Phase Systems. I. Salt Partitioning," H. Hartounian, S. I. Sandler and E. W. Kaler, *I. E. C. Fundamentals* 33, 2288 (1994).
75. "Aqueous Two-Phase Systems. II. Protein Partitioning," H. Hartounian, E. W. Kaler and S. I. Sandler, *I. E. C. Fundamentals* 33, 2294 (1994).
76. "Protein Lipid Interaction in Bile: Effects of Biliary Proteins on the Stability of Cholesterol-Lecithin Vesicles," A. S. Luk, E. W. Kaler and S. P. Lee, *Biochem. Biophys. Acta* 1390, 282 (1998).
77. "Small-Angle Scattering from Complex Fluids," in "Modern Aspects of Small-Angle Scattering," (H. Brumberger, ed.), NATO ASI Series Vol. 451, Kluwer Academic Publishers, Dordrecht, The Netherlands, Chapter 13, p. 329 (1995).
78. "Structure and Dynamics of Polymerizable Microemulsions," A. P. Full and E. W. Kaler, *Langmuir* 10, 2929 (1994).
79. "Structure of Sheared Cetyltrimethylammonium Tosylate-Sodium Dodecylbenzene-sulfonate Rodlike Micellar Solutions," R. D. Koehler and E. W. Kaler, in "Rheology of Surfactant Solutions," (C. A. Herb and R. Prud'homme, eds.), ACS Symposium Series #578, p. 120 (1994).
80. "Microemulsion Polymerization of Styrene: The Effect of Salt and Structure," A. P. Full, E. W. Kaler, J. Arellano and J. E. Puig, *Macromolecules* 29, 2764 (1996).
81. "Small Angle Neutron Scattering Near Lifshitz Lines: Transition from Weakly Structured Mixtures to Microemulsions," K. -V. Schubert, R. Strey, S. R. Kline and E. W. Kaler, *J. Chem. Phys.* 101, 5343 (1994).
82. "Phase Behavior and Microstructure of Nonaqueous Microemulsions. 2," A. Martino and E. W. Kaler, *Langmuir* 11, 779 (1995).
83. "The Lifshitz Line in Binary Systems: Structures in Water/ C<sub>4</sub>E<sub>1</sub> Mixtures," R. D. Koehler, K. -V. Schubert, R. Strey and E. W. Kaler, *J. Chem. Phys.* 101, 10843 (1994).
84. "Mixed Micelles of Dodecyltrimethylammonium Bromide and Didodecyldimethyl-ammonium Bromide," K. M. Lusvardi, A. P. Full and E. W. Kaler, *Langmuir* 11, 487 (1995).
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173. "Surfactant Fundamentals," Warner-Lambert, Morris Plains, NJ, October 1995.
174. "Micellar Depletion Forces," AIChE Annual Meeting, Miami, FL, November 1995.
175. "Microemulsion Polymerization," National Starch and Chemical, Bridgewater, NJ, November 1995.
176. "Phase Behavior and Structure in Mixed Surfactant Systems," Chemistry Department, Villanova University, Villanova, PA, December 1995.
177. "SANS Studies of Mixed Colloidal Systems," NSF Review of NIST Facilities, Gaithersburg, MD, March 1996.
178. "Microemulsion Phase Behavior," Kodak Research Laboratories, Rochester, NY, March 1996.
179. "Experimental and Theoretical Studies of Mixed Micellar and Microemulsion Systems," ICI Colloid and Surface Science Symposium, Stockon-on-Tees, UK, April 1996.
180. "Phase Behavior and Microstructure of Surfactant Mixtures," 11<sup>th</sup> International Symposium on Surfactants in Solution, Jerusalem, Israel, June 1996.
181. "Colloidal Phase Transitions in Nonionic Surfactant Solutions," 11<sup>th</sup> International Symposium on Surfactants in Solution, Jerusalem, Israel, June 1996.
182. "Interactions in Binary Mixtures: Partial Structure Factors of Surfactant Structures and Colloidal Silica," 11<sup>th</sup> International Symposium on Surfactants in Solution, Jerusalem, Israel, June 1996.
183. "Scattering Techniques," International Workshop of Self Assembly in Mixtures of Amphiphiles in Aqueous Solution," Kfar Blum, Israel, June 1996 (also meeting co-organizer).
184. "Phase Behavior of Microemulsions Made with n-alkyl Monoglucosides," Surface and Colloid Symposium of ICI North America, Montreal, Canada, June 1996.
185. "Microscopic Kinetic Events in Microemulsion Polymerization," International Materials Research Congress, Cancun, Mexico, September 1996.
186. "Microemulsions: Theory and Application," Polytechnic University, Brooklyn, NY, October 1996.
187. "Phase Behavior and Microstructure of Surfactant Mixtures," Rutgers University, Piscataway, NJ, October 1996.

188. "Conformational Equilibria of Nonionic Surfactants in Water" (by H. Ashbaugh), AIChE Annual Meeting, Chicago, IL, November 1996.
189. "Effect of Electrolyte on Vesicle-Forming Catanionic Surfactant Mixtures," AIChE Annual Meeting, Chicago, IL, November 1996.
190. "Microscopic Kinetic Events in Microemulsion Polymerization," AIChE Annual Meeting, Chicago, IL, November 1996.
191. "Phase Behavior of Microemulsions Made with n-Alkyl Monoglucosides, Oil and Water," AIChE Annual Meeting, Chicago, IL, November 1996.
192. "Phase Behavior and Microstructure of Surfactant Mixtures," Ohio State University, Columbus, OH, January 1997.
193. "Phase Behavior and Microstructure of Surfactant Mixtures," Columbia University, New York, NY, March 1997.
194. "Microemulsions: Theory and Applications," New Jersey Institute of Technology, University Heights, NJ, March 1997.
195. "Phase Behavior and Microstructure of Surfactant Mixtures," California Institute of Technology, Pasadena, CA, April 1997.
196. "Phase Behavior and Microstructure of Surfactant Mixtures," UCLA, Los Angeles, CA, April 1997.
197. "Phase Behavior and Microstructure of Surfactant Mixtures," Illinois Institute of Technology, Chicago, IL, April 1997.
198. "Phase Behavior and Microstructures in Surfactant Mixtures," International Conference on Surface and Colloid Science, Sofia, Bulgaria, July 1997.
199. "*In-situ* SANS Observations of Polymerizing Microemulsions," International Conference on Neutron Scattering, Toronto, Canada, August 1997.
200. "Microemulsion Polymerization Processes – from Phase Behavior to Latex," Rohm and Haas Company, Spring House, PA, September 1997.
201. "Phase Behavior and Microstructure of Surfactant Mixtures," City College of New York, NY, September 1997.
202. "Microemulsion Polymerization Processes," Michigan State University, October 1997.
203. "Theory and Observations of Microemulsion Polymerization," AIChE Annual Meeting, Los Angeles, CA, November 1997.
204. "Polymerization Sets Microstructure: Organic Materials Synthesis in Complex Fluids," Materials Research Society Meeting, Boston, MA, December 1997.
205. "Microemulsion Polymerization Processes," Carnegie Mellon University, Pittsburgh, PA, February 1998.
206. "Structure, Scattering, and Synthesis in Surfactant Solutions," ACS Awards Symposium, Dallas, TX, March 1998.
207. "Microemulsion Polymerization Processes," University of Tennessee, Knoxville, TN, April 1998.
208. "Surfactant Microstructures - Charges and Chain Packing," MRSEC Symposium, University of Pennsylvania, Philadelphia, PA, May 1998.

209. "Surfactant Microstructures - Charges and Chain Packing," Organization in Polymer-Surfactant Systems (European Workshop), Amalfi, Italy, May 1998.
210. "Alkylpolyglucoside Microemulsions: Phase Behavior and Structure," 12<sup>th</sup> International Symposium on Surfactants, Stockholm, Sweden, June 1998.
211. "Alkylpolyglucoside Microemulsions: Phase Behavior and Structure," 72<sup>nd</sup> Colloid and Surface Science Symposium, Pennsylvania State University, University Park, PA, June 1998.
212. "Phase Separation Kinetics in Isopycnic Mixtures of H<sub>2</sub>O/CO<sub>2</sub>/Ethoxylated Alcohol Surfactants," Fourth Microgravity Fluid Physics and Transport Phenomena Conference, Cleveland, OH, August 1998.
213. "Polymerization in Complex Fluids," 1998 GRC Polymer Physics, Salve Regina College, Newport, RI, August 1998.
214. "Microemulsion Polymerization," ACS Symposium, Boston, MA, August 1998.
215. "Properties of Alkylpolyglucoside Microemulsions," Novel Surfactants Conference, Wrexham, UK, September 1998.
216. "Structure and Property Relations for Alkyl Polyglucoside Surfactants – Micelles and Microemulsions," New Horizons for the 21<sup>st</sup> Century, Williamsburg, VA, September 1998.
217. "Microemulsion Polymerization," Procter & Gamble, Cincinnati, OH, October 1998.
218. "Polymerization in Surfactant Solutions," University of Illinois at Urbana-Champaign, Urbana, IL, October 1998.
219. "Microemulsion Polymerization Processes," Tulane University, New Orleans, LA, December 1998.
220. "Microemulsion Polymerization," Lehigh University, Bethlehem, PA, February 1999.
221. "Microemulsion Polymerization Processes," Rensselaer Polytechnic Institute, Troy, NY, March 1999.
222. "Microemulsion Polymerization," Dow Corning, Midland, MI, April 1999.
223. "The Formation of Equilibrium Vesicles in Aqueous Mixtures of Oppositely Charged Hydrocarbon and Fluorocarbon Surfactants," ACS Symposium, New Orleans, LA, August 1999.
224. "Microemulsion Polymerization," Lubrizol, Cleveland, OH, September 1999.
225. "Colloidal Scale Engineering," NAE Frontiers of Engineering Symposium, Irvine, CA, October 1999.
226. "Microemulsion Polymerization Processes," SUNY at Buffalo, Buffalo, NY, October 1999.
227. "Microemulsion Polymerization," AIChE Annual Meeting, Dallas, TX, November 1999.
228. "Temperature-Dependent Rheology of Surfactant-Based Complex Fluids," AIChE Annual Meeting, Dallas, TX, November 1999.
229. "Microemulsion Polymerization Processes," UC Santa Barbara, Santa Barbara, CA, November 1999.
230. "Assembly of Advanced Microstructured Porous Particles in Suspended Droplets," (by O. Velev), Materials Research Society Meeting, Boston, MA, December 1999.
231. "Nanostructured Porous Materials Templated by Colloidal Crystals: From Inorganic Oxides to Metals," (by O. Velev), Materials Research Society Meeting, Boston, MA, December 1999.
232. "Microemulsion Polymerization Processes," North Carolina State University, Raleigh, NC, January 2000.
233. "Cubosomes: Processing and Characterization," Procter & Gamble, Cincinnati, OH, February 2000.

234. "Surfactant Solutions and Microemulsions: Phase Behavior and Structure," Hercules, Wilmington, DE, February 2000.
235. "Colloidal Scale Engineering," Princeton University, Princeton, NJ, March 2000.
236. "Polymer Shells Templated by Vesicles," ACS Symposium, San Francisco, CA, April 2000.
237. "Polymerization in Microemulsions," ACS Middle Atlantic Regional Meeting, University of Delaware, Newark, DE, May 2000.
238. "Mixtures of Hydrocarbon and Fluorocarbon Surfactants," 13<sup>th</sup> International Symposium on Surfactants in Solution, Gainesville, FL, June 2000.
239. "The Rheology of Surfactant-based Fracturing Fluids and its Relevance to Proppant Transport," Schlumberger Research Center, Cambridge, England, July 2000.
240. "Wormlike Micelles Formed by Mixing Cationic and Anionic Surfactants: Rheology and Microstructure," Schlumberger Research Center, Cambridge, England, July 2000.
241. "Phase Behavior and Microstructure of Surfactant Mixtures," 10<sup>th</sup> International Conference on Colloid and Interface Science, Bristol, England, July 2000.
242. "A Biological Sensor Based on Colloidal Technologies," ARO Chemical and Biological Agent Water Monitor Workshop, Aberdeen Proving Ground, MD, August 2000.
243. "Colloidal Scale Engineering," University of Pennsylvania, Philadelphia, PA, October 2000.
244. "Molecular Interactions and Synthesis in Surfactant Mixtures," International Conference on Colloid and Surface Science, Tokyo, Japan, November 2000.
245. "Alkylglucosides: Phase Behavior and Microstructure," International Symposium on Amphiphiles in Solutions and at Interfaces, Kumamoto, Japan, November 2000.
246. "Polymerization in Complex Fluids," University of Colorado Patten Seminar, Boulder, CO, December 2000.
247. "Biosensors via Colloidal Engineering," US-Swiss Forum on NanoBioSciences, Princeton, NJ, December 2000.
248. "Surfactant Phase Behavior," (Lecture Series) Rhodia Complex Fluids Laboratory, Cranbury, NJ, January 2001.
249. "Microemulsion Polymerization Processes," Particles 2001 Conference, Orlando, FL, February 2001.
250. "Surfactants: The Foot Soldiers of Formulations," Merck & Co., West Point, PA, March 2001.
251. "Alkylpolyglucosides: Phase Behavior and Microstructure," ACS National Meeting, San Diego, CA, April 2001.
252. "Colloidal Scale Engineering," Ashton Cary Lecture, Georgia Institute of Technology, Atlanta, GA, April 2001.
253. "Molecular Interactions and Synthesis in Surfactant Mixtures," Ashton Cary Lecture, Georgia Institute of Technology, Atlanta, GA, April 2001.
254. "Molecular Interactions and Synthesis in Surfactant Mixtures," 2001 Great Lakes Regional ACS Meeting, Grand Rapids, MI, June 2001.
255. "Colloidal Scale Synthesis and Engineering," Dow Corning Corporation, Midland, MI, June 2001.
256. "Colloidal Scale Engineering," Admundson's Lectures, University of Guadalajara, Mexico, June 2001.

257. "Molecular Interactions and Synthesis in Surfactant Mixtures," Admundson's Lectures, University of Guadalajara, Mexico, June 2001.
258. Short Course: "Light Scattering Fundamentals," Procter & Gamble, Cincinnati, OH, July 2001.
259. "Colloidal Scale Engineering," Procter & Gamble, Cincinnati, OH, July 2001.
260. "The Rheology and Microstructure of Surfactant-Based Viscoelastic Fluids," Schlumberger Research Center, Cambridge, England, July 2001.
261. "Surfactant-Guided Material Synthesis," Gordon Research Conference, New London, CT, July 2001.
262. "Vesicle Formation and Transport Properties and Methods of Characterization," International Flavors & Fragrances, Hazlet, NJ, August 2001.
263. "Molecular Interactions and Synthesis in Surfactant Mixtures," International Flavors & Fragrances, Hazlet, NJ, August 2001.
264. "Phase Behavior and Microstructure of Alkyl Polyglucoside Surfactant Solutions," 222<sup>nd</sup> ACS National Meeting, Chicago, IL, August 2001.
265. "Molecular Interactions and Synthesis in Surfactant Mixtures," University of Wisconsin, Madison, WI, September 2001.
266. "Colloidal Scale Engineering," Dow Chemical Company, Midland, MI, October 2001.
267. "Molecular Interactions and Synthesis in Surfactant Mixtures," Dow Chemical Company, Midland, MI, October 2001.
268. "Colloidal Scale Engineering," Yale University, New Haven, CT, October 2001.
269. "The Phase Behavior and Microstructure of Cationic-Nonionic Microemulsions," AIChE Annual Meeting, Reno, NV, November 2001.
270. "Microemulsion Polymerization Processes," Dow Chemical Company, Midland, MI, January 2002.
271. "Colloidal Scale Engineering," University of Maryland, College Park, MD, January 2002.
272. "Surfactant Microstructures Captured by Polymerization," Gordon Research Conference, Ventura, CA, February 2002.
273. "Dielectrophoretic Assembly of Switchable Two-Dimensional Photonic Crystals with Specific Orientation," 223<sup>rd</sup> ACS National Meeting, Orlando, FL, April 2002.
274. "Colloidal Scale Engineering," Instituto Mexicano del Petroleo (I.M.P.), Mexico, April 2002.
275. "Molecular Interactions and Synthesis in Surfactant Mixtures," Instituto de Química, Universidad Nacional Autónoma de México (U.N.A.M.), Mexico, April 2002.
276. "Microemulsion Polymerization," Self Assembly Conference, Massa Marittima, Italy, April 2002.
277. "Colloidal Assembly of Nanomaterials," Schlumberger Research Center, Cambridge, England, April 2002.
278. "Phase Behavior and Rheological Properties of Rodlike Micellar Solutions," Dow Chemical Company, Midland, MI, May 2002.
279. "Cloud-Point Phenomena in Wormlike Micellar Systems Containing Cationic Surfactant and Salt," 14<sup>th</sup> Surfactants In Solution Symposium, Barcelona, Spain, June 2002.

280. "Self-Assembly and Structure-Formation at the Macro/Nano-Scale," Nestle Research Center, Lausanne, Switzerland, June 2002.
281. "Polymerization Processes in Self-Assembled Fluids: Microemulsions and Vesicles," Reactivity in Organized Microstructures EURESCO Conference, Maratea, Italy, June 2002.
282. "Phase Behavior of Microemulsions Made with n-Alkyl Monoglucosides, Oil and Water," 224<sup>th</sup> ACS National Meeting, Boston, MA, August 2002.
283. "Structure, Scattering, and Synthesis in Surfactant Solutions," Unilever Research, Manchester, England, September 2002.
284. "Colloidal Scale Engineering," Michigan State University, East Lansing, MI, September 2002.
285. "Colloidal Engineering with Electric Fields," Dow Corning Corporation, Midland, MI, September 2002.
286. "Colloidal Scale Engineering," University of California, Berkeley, CA, October 2002.
287. "Colloidal Phase Transitions in Aqueous Nonionic Surfactant Solutions," Workshop on Attractive Interaction in Colloidal Systems, Salzburg, Austria, January 2003.
288. "Structure, Scattering, and Synthesis in Surfactant Solutions," Colgate-Palmolive Company, Piscataway, NJ, February 2003.
289. "Colloidal Scale Engineering," Chinese University of Hong Kong, Shatin, Hong Kong, February 2003.
290. "Properties of Surfactant Mixtures" and "Colloidal Scale Engineering," University of Science and Technology of China, Hefei, China, February 2003.
291. "Microemulsion Polymerization," Fudan University, Shanghai, China, February 2003.
292. "Microemulsion Polymerization," and "Colloidal Scale Engineering," Shanghai Jiaotong University, Shanghai China, March 2003.
293. "Novel Surfactant Mixtures," 225<sup>th</sup> ACS National Meeting, New Orleans, LA, March 2003.
294. "Colloidal Scale Engineering," Nanoscience and Nanotechnology Workshop, State University of Campinas, Brazil, June 2003.
295. "Polymeric particles Templated from Cationic Vesicles," Particles 2003, Westin Prince Hotel, Toronto, Ontario, Canada, August 2003.
296. "Phase Behavior and Microstructure of Surfactant Mixtures," 11<sup>th</sup> International Conference on Surface and Colloid Science, Iguassu Falls, Brazil, September 2003.
297. "Structure, Scattering, and Synthesis in Surfactant Solutions," University of Oklahoma Seminar, Norman, OK, September 2003.
298. "Small Angle Scattering from Complex Fluids," National Research Facilities Workshop, Washington, DC, September 2003.
299. "Polymerization in Complex Fluids," University of Houston, Houston, TX, January 2004.
300. "Colloid Scale Engineering," University of Colorado, Boulder, CO, February 2004.
301. "Polymerization in Complex Fluids," Gordon Research Conference, Ventura, CA, February 2004.
302. "On-chip Colloidal Assembly of Electrically Functional Structures," Particles 2004, Orlando, Florida, March 2004.

303. "Spontaneous Vesicle Formation and Phase Behavior in Mixtures of an Anionic Surfactant with Imidazoline Compounds", 227<sup>th</sup> ACS National Meeting, Anaheim, CA March 2004.
304. "Catanionics, the Known, the Possible and the Impossible in Functionalizing," French-German Network "Complex Fluids: From 3 to 2 Dimensions," Toulouse, France, May 2004.
305. "Structural Transitions in Mixtures of SDBS Surfactant with Histidine," Surfactants In Solution Symposium, Fortaleza, Brazil, June 2004.
306. "Microemulsion Polymerization," ACS PRF Summer School on Nanoparticle Materials, Eastern Michigan University, June 2004.
307. "Microstructures in Mixtures of Cationic and Anionic Surfactants," Science & Technology of Complex Fluids, San Luis Potosi, Mexico, July 2004.
308. "Colloidal Scale Engineering," Rensselaer Polytechnic Institute, December 2004.
309. "Polymerization in Complex Fluids," Australian Colloid and Interface Symposium, Coogee Beach, Australia, February 2005.
310. "Colloid Scale Engineering," University of California Riverside, March 2005.
311. "Templating and Phase Behavior in Mixtures of Surfactants and Hydrotropes," American Chemical Society 229<sup>th</sup> National Meeting & Exposition, San Diego, CA, March 2005.
312. "Polymerization in Complex Fluids," Texas A&M University, College Station, TX, April 2005.
313. "Phase Behavior and Microstructure in Surfactant Solutions," Thermo 2005, University of Maryland, College Park, April 2005.
314. "Phase Behavior and Structure in Mixtures of Surfactants and Hydrotropes," The 79<sup>th</sup> ACS Colloid and Surface Science Symposium, Clarkson University, Potsdam, NY, June 2005.
315. "Phase Behavior and Structure in Mixtures of Surfactants and Hydrotropes," The Division of Colloid and Surface Chemistry, The Chemical Society of Japan, Utsunomiya University, Tochigi, Japan, September 2005.
316. "Polymerization in Complex Fluids," China/US/Japan Joint Chemical Engineering Conference, Beijing, China, October 2005.
317. "Surfactant Interactions With Polyelectrolytes: Microscopic Binding and Macroscopic Gel Particles," "Polymerization In Complex Fluids," "Phase Behavior and Structure in Mixtures of Surfactants and Hydrotropes," Colloids & Surface Sciences/Polymers COPs Joint Symposium, The Procter & Gamble Company, Cincinnati, Ohio, November 2005.
318. "Polymerization Reactions in Complex Fluids," University of Massachusetts Amherst, November 2005.
319. "Micellar Networks in Surfactant Solutions," AIChE 2005 Annual Meeting, Cincinnati, Ohio, November 2005.
320. "Micellar Networks in Surfactant Mixtures," 2005 International Chemical Congress of Pacific Basin Societies, Honolulu, Hawaii, December 2005.
321. "Polyelectrolytes and Surfactants: From Phase Behavior to Macroscopic Structure," The Hebrew University of Jerusalem, Jerusalem, Israel, January 2006.
322. "Micellar Networks," Technion – Israel Institute of Technology, Haifa, Israel, January 2006.
323. "Polymerization in Complex Fluids," The University of Akron, Ohio, March 2006.



324. "Biomolecular and Polymeric Nanostructures and Interfaces," 231<sup>st</sup> ACS National Meeting, Atlanta, Georgia, March 2006.
325. "Polymerization in Complex Fluids," Case Western Reserve University, Cleveland, Ohio, April 2006.
326. "Complex Fluids as Templates for New Materials," Distinguished Su Lectureship Series, University of Rochester, New York, April 2006.
327. "Polyelectrolyte and Surfactant Complexes," SFAC 2006 International Workshop: Bridging Nanoscale Forces and Interfacial Phenomena to the Macroscopic World, Cancun, Mexico, May 2006.
328. "Surfactant Mixtures: Networks, Proteins, and Polymers," 16<sup>th</sup> International Symposium on Surfactants in Solution, Seoul, Korea, June 2006.
329. "Emulsion and Microemulsion Science and Technology (Short Course)," The Procter and Gamble Company, Cincinnati, Ohio, June 2006.
330. "Micellar Networks," 12<sup>th</sup> International Conference on Surface and Colloid Science, Beijing, China, October 2006.
331. "Polymerization in Complex Fluids," University of Virginia Department of Chemical Engineering, Charlottesville, Virginia, November 2006.
332. "Micellar Networks," International Symposium on Materials Chemistry, Bhabha Atomic Research Centre, Mumbai, India, December 2006.
333. "Phase Behavior and Microstructure in Surfactant Solutions," Department of Chemical Engineering, Indian Institute of Technology-Bombay, Mumbai, India, December 2006.
334. "Polymerization in Complex Fluids," University Institute of Chemical Technology, Mumbai, India, December 2006.
335. "Surfactant and Hydrotrope Interactions," Cephalon, West Chester, Pennsylvania, January 2007.
336. "Complex Fluids as Routes to Complex Solids," E. I. du Pont de Nemours & Company, Inc., Wilmington, Delaware, February 2007.
337. "Polyelectrolyte and Surfactant Complexes," Amerchol Corporation, Piscataway, New Jersey, February 2007.
338. "Polyelectrolytes and Surfactants: From Binding to Particles," 7<sup>th</sup> Annual Surface and Colloid Symposium, Lund, Sweden, November 2007.
339. "Micellar Networks: From Biology to Rheology," (Plenary Talk) 82<sup>th</sup> ACS Colloid and Surface Science Symposium, North Carolina State University, Raleigh, North Carolina, June 2008.
340. "Micellar Networks: From Biology to Rheology," City College of New York, New York, February 2009.
341. "Polymerization in Organized Fluids," Lowrie Lecture, The Ohio State University, Columbus, Ohio, March 2017.
342. "The Changing Face of Public Higher Education and Its Impact on Chemical Engineers," Lowrie Lecture, The Ohio State University, Columbus, Ohio, March 2017.