

GERALD G. FULLER
PERSONAL AND PROFESSIONAL VITAE

BIOGRAPHICAL INFORMATION

Date of Birth: April 7, 1953.

Place of Birth: Washington, D.C.

EDUCATION

Ph.D., Chemical Engineering, California Institute of Technology, February 1980.

M.S., Chemical Engineering, California Institute of Technology, June 1977.

B.Sc., Chemical Engineering, University of Calgary, June 1975.

SCHOLARSHIPS AND HONORS

2017 Katz Lecture, Dept. Chemical Engineering, City College of New York

2016 General Secretary, International Committee on Rheology

2016 Bird, Stewart and Lightfoot (BSL) Lecture, Univ. Wisconsin

2016 Fellow, American Academy of Arts and Science (AAA&S)

2015 Milton van Dyke Award, Division of Fluid Mechanics, APS

2015 Fellow of The Society of Rheology

2015 Talbot Distinguished Lecture, University of Illinois at Urbana-Champaign

2014 Honorary Degree of Doctor of Philosophy of the University of Leuven, Belgium

2014 Doumas/Dow Distinguished Lecture, Virginia Tech University.

2012 Corresponding Member of the Russian and International Engineering Academy

2009 Distinguished Service Award, Society of Rheology.

2009 Associate Member, University of Wales Institute of Non-Newtonian Fluid Mechanics.

2009 Honorary Degree of Doctor of Philosophy of the University of Crete

2009 Journal of Rheology Publication Award for "Analysis of the magnetic rod interfacial stress rheometer" by Sven Reynaert, Carlton F. Brooks, Paula Moldenaers, Jan Vermant, and Gerald G. Fuller, Volume 52(1) pp. 261-285 (2008).

2008 Named one of the "One Hundred Engineers of the Modern Era" by the American Institute of Chemical Engineers (AIChE) marking the 100th Anniversary of the AIChE
2008-12, President of the International Committee on Rheology.

2006 Cox Medal for Excellence in Fostering Undergraduate Research.

2006 Named the Fletcher Jones II Professor of Engineering at Stanford University.

2006 Foreign Associate of the Moroccan Academy of Science and Technology.

2005 National Academy of Engineering.

2004 Julian C. Smith Lectureship in Chemical and Biomolecular Engineering, Cornell University.

2004 Pearson Lecturer in Chemical Engineering, UCSB.

2004-08 Chairman of the XVth International Congress on Rheology.

2003 Holtz Lecturer, Dept of Chemical Engineering, Johns Hopkins University.

1999-04 Visiting Professor, Dept. Mechanical Engineering, Kings College, London.

1999-01 President of the Society of Rheology.

1997 Bingham Medal Award, The Society of Rheology.

1993 Fellow of the American Physical Society.
1990 Theile Lecturer, Department of Chemical Engineering, Notre Dame University, October.
NSF Presidential Young Investigator Award 1985.
1975-79 National Research Council of Canada Postgraduate Scholarship.
Society of Chemical Industry Gold Key Award 1975.
1975 Association of Professional Engineers, Geologists and Geophysicists, Gold Medal in Chemical Engineering.
1974 Hudson's Bay Oil and Gas Gold Medal in Chemical Engineering.
1972 Dome Petroleum Scholarship in Chemical Engineering.
1971 Queen Elizabeth Scholarship.

WORK EXPERIENCE

August 1, 2008 to July 31, 2009 and September 1, 1996 - February 1, 2001
Chairman, Department of Chemical Engineering, Stanford University
October 1996 – 2001; 2008-2009
Professor, Department of Chemical Engineering, Stanford University
June 1996 - August 1996
Visiting Professor, University of Strasbourg, France
January 1994 - July 1994
Visiting Associate Professor, Ecole des Mines de Paris, Nice, France
July 1992 - August 1992
Visiting Scientist, Materials Science, E.P.F.L., Lausanne, Switzerland
June 1989 - September 1989
Visiting Scientist, Chemical Engineering, Katholieke Universiteit, Leuven, Belgium
October 1985 - September 1990
Associate Professor, Chemical Engineering, Stanford University
January 1987 - August 1987
Visiting Scientist, AT&T Bell Laboratories Murray Hill, New Jersey
October 1980 - September 1985
Assistant Professor, Chemical Engineering, Stanford University
February 1980 - September 1980
Visiting Scientist, Centre de Recherches sur les Macromolecules Strasbourg, France
October 1975 - February 1980
Teaching and Research Assistant, California Institute of Technology, Pasadena, California
May 1975 - September 1975
Research Assistant in Theoretical Chemistry, University of Calgary, Calgary, Alberta
May 1974 - September 1974
Assistant Engineer, Shell Canada Ltd., Calgary, Alberta
May 1973 - September 1973
Gas Plant Operator, Imperial Oil Ltd., Edmonton, Alberta
May 1972 - September 1972

Laboratory Assistant, ATCO Research and Development Calgary, Alberta

PROFESSIONAL ACTIVITIES

American Institute of Physics Publishing Partnerships Committee, 2013-present

Editorial Advisory Board, *Langmuir*, 2011 – present

Editorial Board Member, *Journal of Rheology*, 2012 - present

Advisory Board Member, International Committee on Rheology, 2012 – present

Advisory Committee for *Physics Today*, 2008 - 2014.

President, International Committee on Rheology, 2008-2012

Editorial Board Member for the *J. Polymer Science: Polymer Physics*, 2003 –2010.

Past President, Society of Rheology, 2001-2003.

President, Society of Rheology, 1999-2001.

Vice President, Society of Rheology, 1997-1999.

Chair, Local Arrangements Committee, Society of Rheology, 1998.

Panelist, NSF Career Grant Committee, 1997.

Member at Large, Executive Committee of the Society of Rheology, 1995 - 1997.

Member Twenty-eighth Senate of the Academic Council, Stanford University, 1995-1996.

Chair of the Technical Committee, Society of Rheology, 1995.

Panelist, NSF Workshop on Particle Science and Technology, 1993.

Member, Nominating Committee, Society of Rheology, 1989.

Member, Bingham Medal Award Committee, Society of Rheology, 1987 - 1989.

Editorial Board Member for the *Journal Rheologica Acta*, 1985 - present.

Member of the A.I.Ch.E., Society of Rheology, APS, ACS.

PUBLICATIONS

Books

1. G.G. Fuller, "Optical Rheometry of Complex Fluids", Oxford University Press, New York, 1995.
2. Lydie Navard, Patrick Navard and Gerald Fuller, "Scientifically Yours", Corlet Imprimeur, S.A., France, 1995.

Contributions to Books

1. G. G. Fuller and C. M. Ylitalo, "Optical Rheometry of Polymeric Liquids", chapter 6 in Polymer Rheology and Processing, A. Collyer and L. Utracki, Editors, Elsevier Applied Science, London, 1990.
 2. G.G. Fuller, J.A. Zawada and R.H. Colby, "Investigating Miscible Polymer Blend Dynamics with Optical and Mechanical Rheometry", Keynote Lectures in Selected Topics of Polymer Science, proceedings of Alicante Seminars. (1994).
 3. G.G. Fuller, J. van Egmond D. Wirtz, E. Peuvrel-Disdier, E. Wheeler and H. Takahashi, "Enhancement of Concentration Fluctuations in Solutions Subject to External Fields", ACS Symposium Series in "Flow Induced Structure in Polymers", A.I. Nakatani and M.D. Dadmun, editors, 597 (1995) 22-34.
 4. Gerald G. Fuller, "Fundamentals of Optical Rheometry", contribution to "Rheo-Physics of Multiphase Polymeric Systems, Application of Rheo-Optical Techniques in Characterization", (1995), pg. 15, Sondergaard, editor, Technomic Publishing Co., Inc., Lancaster, PA.
- Particle-laden interfaces: rheology, coalescence, adhesion and buckling G. G. Fuller, E. J. Stancik and S. Melle. in *Colloidal Particles at Liquid Interfaces*, edited by B. Binks and T. Horozov, Cambridge University Press, 2006.

Refereed Publications

1. R. Paul and G.G. Fuller, "Applications of Field Theoretical Methods to the Calculation of Infrared Band Shapes of Molecules in Strongly Interacting Solvents", J. Chem. Phys. 64 (1976) 3809-3825.
2. G.G. Fuller, "A Modified Redlich-Kwong-Soave Equation of State Capable of Representing the Liquid State", I&EC Fundamentals 15 (1976) 254-257.
3. G.G. Fuller, J.M. Rallison, R. Schmidt, and L.G. Leal, "Measurements of Velocity Gradients in Laminar Flow by Homodyne Light Scattering Spectroscopy", J. Fluid Mech. 100 (1980) 555-575.
4. L.G. Leal, G.G. Fuller, and W.L. Olbricht, "Studies of the Flow-Induced Stretching of a Macromolecule in a Dilute-Solution", Prog. Astro. and Aero. 72 (1980) 351-372.
5. G.G. Fuller and L.G. Leal, "Flow Birefringence of Dilute Polymer Solutions in Two-Dimensional Flows", Rheol. Acta 19 (1980) 580-600.
6. G.G. Fuller and L.G. Leal, "Effect of Molecular Weight and Flow Type on Flow Birefringence of Dilute Polymer Solutions", Rheology, (G. Astarita, G. Marrucci, L. Nicolais, Eds.) vol. 2, pp. 393-398, Plenum Press, New York, 1980.
7. G.G. Fuller and L.G. Leal, "The Effects of Conformation-Dependent Friction and Internal Viscosity on the Dynamics of the Nonlinear Dumbbell Model for a Dilute Polymer Solution", J. Non-Newt. Fluid Mech. 8 (1981) 271- 310.

8. G.G. Fuller and L.G. Leal, "Network Models of Concentrated Polymer Solutions Derived from the Yamamoto Network Theory", *J. Polym. Sci.: Phys. Ed.* 19 (1981) 531-555.
9. G.G. Fuller and L.G. Leal, "Flow Birefringence of Concentrated Polymer Solutions in Two-Dimensional Flows", *J. Polym. Sci.: Phys. Ed.* 19 (1981) 557-587.
10. G.G. Fuller, "Conformation and Dynamics of Adsorbed Polymer Molecules Subjected to Flow", *Adhesion Aspects of Polymer Coatings*, (K.L. Mittal, Ed.) pp. 243-251, Plenum Press, New York, 1983.
11. G.G. Fuller, "Dynamics of Adsorbed Polymer Chains Subjected to Flow: The Dumbbell Model", *J. Polym. Sci.: Polym. Phys. Ed.* 21 (1983) 151-157.
12. A.W. Chow and G.G. Fuller, "Response of Moderately Concentrated Xanthan Gum Solutions to Time-Dependent Flows Using Two-Color Flow Birefringence", *J. Rheol.* 28 (1984) 23-25.
13. P.L. Frattini and G.G. Fuller, "A Note on Phase Modulated Flow Birefringence: A Promising Rheo-Optical Method", *J. Rheol.* 28 (1984) 61-70.
14. J.-J. Lee and G.G. Fuller, "Ellipsometry Studies of Adsorbed Polymer Chains Subjected to Flow", *Macromol.* 17 (1984) 375-380.
15. J.-J. Lee and G.G. Fuller, "Flow Enhanced Desorption of Adsorbed Polymer Chains", *Polymer Adsorption and Dispersion Stability*, (E.D. Goddard and B. Vincent, Eds.) pp. 67-76, ACS Symposium Series No. 240 (1984).
16. P.L. Frattini and G.G. Fuller, "The Dynamics of Dilute Colloidal Suspensions Subject to Time Dependent Flow Fields by Conservative Dichroism", *J. Colloid Interfac. Sci.* 100 (1984) 506-518.
17. Ok Park and G.G. Fuller, "Dynamics of Rigid and Flexible Polymer Chains in Confined Geometries: Part I: Steady Simple Shear Flow", *J. Non-Newt. Fluid Mech.* 15 (1984) 309-329.
18. J.-J. Lee and G.G. Fuller, "Adsorption and Desorption of Flexible Polymer Chains in Flowing Systems", *J. Coll. Interfac. Sci.* 103 (1984) 569-577.
19. B.E. Zebrowski and G.G. Fuller, "Rheo-Optical Studies of Concentrated Polystyrene Solutions Subjected to Transient Simple Shear Flow", *J. Polym. Sci.: Polym. Phys. Ed.* 23 (1985) 575-590.
20. A.W. Chow, and G.G. Fuller, "The Rheo-Optical Response of Rod-Like Chains Subject to Transient Shear Flow, Part I: Model Calculations on the Effects of Polydispersity", *Macromolecules* 18 (1985) 786-793.
21. A.W. Chow, G.G. Fuller, D.G. Wallace and J.A. Madri, "The Rheo-Optical Response of Rod-Like Chains Subject to Transient Shear Flow, Part II. Two- Color Flow Birefringence Measurements", *Macromolecules* 18 (1985) 793- 804.
22. S.J. Johnson, P.L. Frattini, and G.G. Fuller, "Simultaneous Dichroism and Birefringence Measurements of Dilute Colloidal Suspensions in Transient Shear Flow", *J. Coll. Interfac. Sci.* 104 (2) (1985) 440-455.
23. A.W. Chow, G.G. Fuller, D.G. Wallace and J.A. Madri, "The Rheo-Optical Response of Rod-Like Shortened Collagen Protein to Transient Shear Flow", *Macromolecules* 18 (1985) 805-810.
24. A.W. Chow and G.G. Fuller, "Some Experimental Results on the Development of Couette Flow for Non-Newtonian Fluids", *J. Non-Newt. Fluid Mech.* 17 (1985) 233-243.
25. Ok Park and G.G. Fuller, "Dynamics of Rigid Polymer Chains in Confined

- Geometries: II. Time Dependent Shear Flow", *J. Non-Newt. Fluid Mech.* 18 (1985) 111-122.
26. J.-J. Lee and G. Fuller, "The Effect of Segment/Boundary Hydrodynamic Interactions on the Dynamics of Adsorbed Polymer Chains Subjected to Flow", *J. Coll. Interfac. Sci.* 107 (1985) 308-313.
27. B.E. Zebrowski and G.G. Fuller, "Rheo-Optical Studies of Poly-Electrolyte Solutions in Simple Shear Flow", *J. of Rheology* 29 (1985) 943-954.
28. A.J. Salem and G.G. Fuller, "Small Angle Light Scattering as a Probe of Flow-Induced Particle Orientation", *J. Coll. Interfac. Sci.* 108 (1985) 149-157.
29. P.L. Frattini and G.G. Fuller, "Rheo-Optical Studies of the Effect of Weak Brownian Rotations in Sheared Suspensions", *J. of Fluid Mech.* 168 (1986) 119- 150.
30. S.J. Johnson and G.G. Fuller, "Flowing Colloidal Suspensions in Non-Newtonian Suspending Fluids: Decoupling the Composite Birefringence", *Rheological Acta*, (1986) 25 :405-417.
31. P.L. Frattini and G.G. Fuller, "Conservative Dichroism of a Sheared Suspension in the Rayleigh-Gans Light Scattering Approximation", *J. of Coll. and Interfac. Sci.* 119 (1987) 335-351.
32. G.G. Fuller, C. Cathey, B. Hubbard, and B.E. Zebrowski, "Extensional Viscosity Measurements for Low Viscosity Fluids", *J. Rheology* 31 (1987) 235-249.
33. S.J. Johnson and G.G. Fuller, "The Dynamics of Colloidal Particles Suspended in a Second Order Fluid", *Faraday Discussion*, 83, paper 18, 1987.
34. G.G. Fuller, S.J. Johnson and A.J. Salem, "Optical Rheometry of Dispersions", *Proceedings of the Tenth U.S. National Congress of Applied Mechanics*, 1987.
35. J.S. Lee and G.G. Fuller, "The Spatial Development of Transient Couette Flow and Shear Wave Propagation in Polymeric Liquids by Flow Birefringence", *J. of Non Newt. Fluid Mech.*, 26 (1987) 57-76.
36. S.J. Johnson and G.G. Fuller, "The Optical Anisotropy of Sheared Hematite Suspensions", *J. of Coll. and Interfac. Sci.*, 124 (1988) 441-451.
37. N.J. Wagner, G.G. Fuller and W.B. Russel, "The Dichroism and Birefringence of a Hard-Sphere Suspension under Shear", *J. of Chemical Physics*, 89 (1988) 1580-1587.
38. C. Cathey and G.G. Fuller, "Uniaxial and Biaxial Extensional Viscosity Measurements of Dilute and Semi-Dilute Solutions of Rigid Rod Polymers", *J. of Non-Newt. Fluid Mech.*, 30 (1988) 303-316.
39. L. Nunnelley and G.G. Fuller, "Optical Measurements of Particle Orientation in Magnetic Media", *J. Appl. Phys.*, 63 (1988) 1687-1690.
40. P. Moldenaers, G.G. Fuller, and J. Mewis, "Mechanical and Optical Rheometry of Polymer Liquid Crystal Domain Structure", *Macromolecules*, 22 (1989) 960- 965.
41. Gene R. Petersen, Gregory A. Nelson, Cheryl A. Cathey and Gerald G. Fuller, "Rheologically Interesting Polysaccharides from Yeasts", *Applied Biochemistry and Biotechnology*, 20/21 (1989) 845-867.
42. J.A. Kornfield, G.G. Fuller, and D.S. Pearson, "Infrared Dichroism Measurements of Molecular Relaxation in Binary Blend Melt Rheology", *Macromolecules*, 22 (1989) 1334-1345.
43. G. G. Fuller and K. J. Mikkelsen, "Optical Rheometry using a Rotary Modulator", *J. Rheol.*, 33 (1989) 761-769.
44. W. R. Burghardt and G. G. Fuller, "A Note on End Effects in Flow Birefringence

- Measurements", *J. Rheology*, 33 (1989) 771-779.
45. M. Doi, D. Pearson, J. Kornfield, and G. Fuller, "Effect of Nematic Interactions in the Orientational Relaxation of Polymer Melts", *Macromolecules*, 22, (1989) 1488-1490.
 46. C. A. Cathey and G. G. Fuller, "The Optical and Mechanical Response of Flexible Polymer Solutions to Extensional Flow", *J. NonNewtonian Fluid Mechanics*, 34 (1990) 63-88.
 47. S. J. Johnson, A. J. Salem, and G. G. Fuller, "Dynamics of Colloidal Particles in Sheared, NonNewtonian Fluids", *J. NonNewtonian Fluid Mechanics*, 34 (1990) 89-121.
 48. G. G. Fuller, "Optical Rheometry", *Ann. Rev. Fluid Mech.*, 22 (1990) 387-417.
 49. J. A. Kornfield, G. G. Fuller, and D. S. Pearson, "Stress Optical Measurement of the Third Normal Stress Difference in Polymer Melts under Oscillatory Shear", *Rheologica Acta*, 29 (1990) 105-116.
 50. V. Abetz and G. G. Fuller, "Two-color Rotary Modulated Flow Birefringence", *Rheol. Acta*, 29 (1990) 11-15.
 51. W. R. Burghardt and G. G. Fuller, "Transient Shear Flow of Nematic Liquid Crystals: Manifestations of Director Tumbling", *J. Rheol.*, 34 (1990) 959-992.
 52. V. Abetz, G. G. Fuller, and R. Stadler, "Infrared Linear Dichroism Spectroscopy by a Double Modulation Technique", *Polymer Bulletin*, 23 (1990) 447-454.
 53. Y. Monovoukas, G. G. Fuller, and A. P. Gast, "Optical Anisotropy in Colloidal Crystals", *J. Chem. Phys.*, 93 (1990) 8294-8299.
 54. C. M. Ylitalo, G. G. Fuller, V. Abetz, and R. Stadler, and D.S. Pearson, "Relaxation Dynamics of Selected Polymer Chain Segments and Comparison with Theoretical Models", *Rheol. Acta*, 29 (1990) 543-555.
 55. T. Schweizer, K. Mikkelsen, C. Cathey, and G. G. Fuller, "Mechanical and Optical Responses of the M1 Fluid Subject to Stagnation Point Flow", *J. NonNewt. Fluid Mech.*, 35 (1990) 277-286.
 56. L. L. Nunnellely, M. A. Burleson, and G. G. Fuller, "On-Line Tribology Measurements on Lubricated Rigid Disks", *IEEE Trans. Magnetics*, 26 (1990) 2679-2681.
 57. H. Yanase, P. Moldenaers, V. Abetz, J. van Egmond, G. G. Fuller, and J. Mewis, "Structure and Dynamics of a Polymer Solution Subject to Flow-induced Phase Separation", *Rheol. Acta*, 30, (1991) 89-97.
 58. C. M. Ylitalo, J. A. Kornfield, G. G. Fuller, and D. S. Pearson, "Molecular Weight Dependence of Component Dynamics in Bidisperse Melt Rheology", *Macromolecules*, 24 (1991) 749-758.
 59. J. S. Lee and G. G. Fuller, "Shear Wave Propagation in Polymer Solutions Following a Step Increase of Shear Rate", *J. NonNewt. Fluid Mech.*, 39, (1991) 1-15 .
 60. W. R. Burghardt, K. Smith, and G. G. Fuller, "Field Induced Anisotropy in Concentrated Systems of Rigid Particles and Macromolecules", *J. of Statistical Physics*, 62 Nos. 5/6, (1991) 1025-1039.
 61. G. G. Fuller and C. A. Cathey, "Extensional Viscometry of Polymer Solutions", presented at the 198th National Meeting of the ACS, Miami Beach, FL, Sept. 10-15, 1989, ACS Symposium Series 462, *Polymers as Rheology Modifiers*, D. N. Schulz and J. E. Glass, Editors, 48-60 (1991).
 62. W. R. Burghardt and G. G. Fuller, "Role of Director Tumbling in the Rheology of Polymer Liquid Crystal Solutions", *Macromolecules*, 24, (1991) 2546-2555.

63. Gerald G. Fuller and Caroline Ylitalo, "Infrared Polarimetry Studies for Multi Component Polymer Melts", *J. of Non Crystalline Solids* 131-133 (1991) 676-684.
64. J. A. Kornfield, G. G. Fuller, and D. S. Pearson, "Third Normal Stress Difference and Component Relaxation Spectra for Bidisperse Melts under Oscillatory Shear", *Macromolecules*, 24, (1991) 5429-5441.
65. C. Ylitalo and G.G. Fuller, "Temperature Effects on the Magnitude of Orientational Coupling Interactions in Polymer Melts", *Macromolecules*, 24, (1991) 5736-5737.
66. V. Abetz, G.G. Fuller and R. Stadler, "Infrared Dichroism by a Double Modulation Technique", *Makromol. Chem., Macromol. Symp.*, Vol. 52 (1991) 23-40.
67. J. Zawada, C. Ylitalo, G. Fuller, R. Colby and T. Long, "Component Relaxation Dynamics in a Miscible Polymer Blend: Poly(Ethylene Oxide)/Poly(Methyl Methacrylate)", *Macromolecules*, 25, (1992) 2896-2902.
68. Jan van Egmond and G.G. Fuller, "Time Dependent Small Angle Light Scattering of Shear-Induced Concentration Fluctuations in Polymer Solutions", *J. of Chem. Physics*, 96, (1992) 7742-7757.
69. C. Ylitalo, J.A. Zawada, G.G. Fuller and V. Abetz, "Oligomers as Molecular Probes of Orientational Coupling Interactions in Polymer Melts and Networks", *Polymer*, 33(14), (1992) 2949-2960
70. L. A. Archer, G. G. Fuller, and L. Nunnelley, "Dynamics of Polymer Liquids using Polarization Modulated Laser Raman Scattering", *Polymer*, 33(17), (1992) 3574-3581.
71. D. Rajagopalan, J.A. Byars, R.C. Armstrong, R.A. Brown, J.S. Lee and G.G. Fuller, "Comparison of Numerical Simulations and Birefringence Measurements in Viscoelastic Flow Between Eccentric Rotating Cylinders", *J. Rheology*, 36(7) (1992) 1349-1375.
72. D. Wirtz, K. Berend and G.G. Fuller, "Electric Field Induced Structure in Polymer Solutions near the Critical Point", *Macromolecules*, 25 (1992) 7234- 7246.
73. G. Fuller, J. van Egmond, J. Zawada and L. Archer, "Rheo-Optics for Multicomponent Liquids", *Proceedings of the Complex Fluids Symposium of the Materials Research Society Fall Mat. Res. Soc. Symp.*, 248 (1992) 139.
74. C.L. Hoffman, H.-T. Man and G.G. Fuller, "Orientation Dynamics of Side Chain Polymers subject to Electric Fields. Part I. Steady State", *Acta Polymer*, 44 (1993) 39-49.
75. K. Smith and G. G. Fuller, "Electric Field Induced Structure in Dense Dispersions of Colloidal Spheres", *J. of Coll. and Interface Sci.*, 155 (1993) 183-190.
76. E.L. Meyer, G.G. Fuller, R.C. Clark and W.-M. Kulicke, "Investigation of Xanthan Gum Solution Behavior under Shear Flow using Rheo-Optical Techniques", *Macromolecules*, 26 (1993) 504-511.
77. P. D'Haene, J. Mewis and G.G. Fuller, "Scattering Dichroism Measurements of Flow-Induced Structure of a Shear Thickening Suspension", *J. of Col. And Interf. Sci.*, 156 (1993) 350-358.
78. Denis Wirtz and Gerald G. Fuller, "Phase Transitions Induced by Electric Fields in Near-Critical Polymer Solutions", *Physical Review Letters*, 71 No.14 (1993) 2236-2239.
79. Jan van Egmond and Gerald G. Fuller, "Concentration Fluctuation Enhancement in Polymer Solutions by Extensional Flow", *Macromolecules*, 26 (1993) 7182- 7188 .
80. Eleanor L. Meyer, Gerald G. Fuller and Robert H. Reamey, "Structure and Dynamics of Liquid Crystalline Droplets Suspended in Polymer Liquids", *The International Society of Optical Engineering, Proceedings Series*, Vol. 2175 (1994) 71-78, reprinted from *Liquid Crystal Materials, Devices and Applications III*.

81. Ulf Seidel, Reimund Stadler and Gerald G. Fuller, "Relaxation Dynamics of Bidisperse Temporary Networks", *Macromolecules*, 27 (1994) 2066-2072.
82. Matthew C. Friedenberg, Gerald G. Fuller, Curtis W. Frank and Channing R. Robertson, "Formation of Bilayer Disks and Two-Dimensional Foams on a Collapsing/Expanding Liquid-Crystal Monolayer", *Langmuir*, 10 (1994) 1251- 1256.
83. Lynden A. Archer and Gerald G. Fuller, "Segment Orientation in a Quiescent Block Copolymer Melt studied by Raman Scattering", *Macromolecules*, 27 (1994) 4359-4363.
84. Denis Wirtz, Douglas Werner and Gerald G. Fuller, "Structure and Optical Anisotropies of Critical Polymer Solutions in Electric Fields", *J. Chem. Phys.*, 101(2) (1994) 1679-1686.
85. Lynden A. Archer and Gerald G. Fuller, "Optical and Mechanical Properties of a Star Diblock Copolymer Melt in Oscillatory Shear Flow", *Macromolecules*, 27 (1994) 4804-4809.
86. Janet Lai and Gerald G. Fuller, "Structure and Dynamics of Concentration Fluctuations in a Polymer Blend Solution under Shear Flow", *J. of Polymer Sci.: Part B: Polymer Phys.*, 32 (1994) 2461-2474.
87. Gerald G. Fuller, Jeffrey A. Zawada and Ralph H. Colby, "Investigating Miscible Polymer Blend Dynamics with Optical and Mechanical Rheometry", *J. of Non-Crystalline Solids*, 172-174 (1994) 668-673.
88. Jeffrey A. Zawada, Gerald G. Fuller, Ralph H. Colby, Lewis J. Fetters and Jacques Roovers, "Measuring Component Contributions to the Dynamic Modulus in Miscible Polymer Blends", *Macromolecules*, 27 (1994) 6851-6860.
89. Jeffrey A. Zawada, Gerald G. Fuller, Ralph H. Colby, Lewis J. Fetters and Jacques Roovers, "Component Dynamics in Miscible Blends of 1,4-Polyisoprene and 1,2-Polybutadiene", *Macromolecules*, 27 (1994) 6861-6870.
90. Werner A. Goedel, Hong Wu, Matthew C. Friedenberg, Gerald G. Fuller, Mark Foster and Curtis W. Frank, "Monolayers of Perfluoropolyethers with a Hydrophilic Head Group", *Langmuir*, 10 (1994) 4209-4218.
91. Lynden Archer, Kelly Huang and Gerald G. Fuller, "Orientation Dynamics of a Polymer Melt Studied by Polarization Modulated Laser Raman Scattering", *J. of Rheology*, 38 (4) (1994) 1101-1125.
92. Ulf T. Reinhardt, Eleanor Meyer de Groot, Gerald G. Fuller and Werner-Michael Kulicke, "Rheo-optical characterization (flow-birefringence and flow-dichroism) of the tobacco mosaic virus", *Macromol. Chem. Phys.*, 196 (1995) 63-74.
93. Ulf Seidel, Reimund Stadler and Gerald G. Fuller, "Enhancement of Orientational Coupling in Bidisperse Polybutadiene Melts through the Implementation of Directed Interactions," *Macromolecules*, 28 (1995) 3739-3740.
94. Stuart F. Smith, Chen-Hua Liang, Michael E. Mackay and Gerald G. Fuller, "The Stress Jump of a Semirigid Macromolecule after Shear: Comparison of the Elastic Stress to the Birefringence," *J. of Rheology*, 39(4) (1995) 659-672.
95. Janet Lai and Gerald G. Fuller, "A Rheo-Optical Study of Near-Critical Polymer Solutions under Oscillatory Shear Flow," *J. of Rheology*, 39(5) (1995) 893-906.
96. Gerald G. Fuller, "Optical Rheometry of Multicomponent Polymer Liquids," *Macromol. Symp.*, 98, (1995) 997-1003.
97. Matthew C. Friedenberg, Gerald G. Fuller, Curtis W. Frank and Channing R. Robertson, "In Situ Optical Studies of Flow-Induced Orientation in a Polymer

- Monolayer," *Macromolecules*, 29 (1996) 705-712.
98. Kelly Huang, Lynden A. Archer and Gerald G. Fuller, "Microstructural Dynamics of a Homopolymer Melt Investigated using Two-Dimensional Raman Scattering," *Macromolecules*, 29 (1996) 966-972.
99. Janet Lai and Gerald G. Fuller, "Dynamic Response of a Near-Critical Polymer Blend Solution under Oscillatory Shear Flow," *J. of Rheology*, 40 (1996) 153- 166.
100. M.C. FriedenberG, G.G. Fuller, C.W. Frank and C.R. Robertson, "Direct Visualization of Flow-Induced Anisotropy in a Fatty Acid Monolayer," *Langmuir*, 12(6) (1996) 1594-1599.
101. Takayuki Maruyama, Matthew FriedenberG, Gerald G. Fuller, C.W. Frank and Channing R. Robertson, "In Situ Studies of Flow-Induced Phenomena in Langmuir Monolayers," *Thin Solid Films*, 273 (1996) 76-83.
102. Elizabeth K. Wheeler, Pilar Izu and Gerald G. Fuller, "Structure and Rheology of Wormlike Micelles," *Rheologica Acta*, 35 (1996) 139-149.
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Patents

- Gerald G. Fuller, Ronald Garritano, Paul Mode, Measuring shear viscosity of fluids, US5115669, May. 26, 1992.
- A. Freeman, G. Fuller, D. Sierra, S. Conston, A. Michaels, Cell separation device and in-line orifice mixer system, US5,968,018, Oct. 19, 1999.
- A. Franck, J. Vermant, G. Fuller, System and Method for Interfacial Rheometry, US 7,926,326, 2011.
- G. Gurtner, G. Fuller, M. Lonagker, J. Rajadas, Compositions and methods for joining non-conjoined lumens, EP20070798901, 2009.
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G. Fuller, S. Bhamla, i-DDrOP: Interfacial Dewetting and Drainage Optical Platform, United States Patent Application 20150103315

Keynote and Plenary Lectures

1. G.G. Fuller and J.-J. Lee, The Dynamics of Adsorbed Macromolecules Subjected to Flow (invited lecture), presented at the I.U.P.A.C. 28th Macromolecular Symposium, University of Massachusetts, Amherst, Massachusetts, July 1982.
2. G.G. Fuller, Adsorbed Polymer Layers Subjected to Flow (invited lecture). Workshop on Polymer-Flow Interaction. The La Jolla Institute, La Jolla, California, July 1985
3. G.G. Fuller, Invited Panelist on Coating Fundamentals, TAPPI Coating Conference, Washington, D.C., May 1986.
4. G.G. Fuller, Optical Rheometry of Polymeric Liquids (invited participant), U.S.-West Germany Polymer Science Symposium, Napa, California, September, 1987.
5. G.G. Fuller, Optical Rheometry (Keynote Lecture), Xth International Congress on Rheology, Sydney, Australia, August, 1988.
6. G. G. Fuller, Optical Rheometry of Polymeric Liquids (Keynote Lecture), National ACS Meeting, Los Angeles, CA, September 25-30, 1987.
7. G. G. Fuller, Optical Rheometry of Polymeric and Colloidal Liquids (invited lecture), Japan Society of Rheology, Nagaoka, Japan, October 2-7, 1988.
8. G. G. Fuller, Optical Rheometry of Polymeric Liquids (invited lecture). International Symposium on Polymer Analysis and Characterization, ACS Meeting, Dallas, TX, April 9-14, 1989.
9. G. G. Fuller, Optical Rheometry of Polymeric and Colloidal Liquids (invited participant), Workshop on the Dynamics of Concentrated Systems, Los Alamos Laboratory, New Mexico, June 13-15, 1989.
10. G. G. Fuller, Extensional Viscometry of Polymer Solutions (plenary lecture). Symposium on Rheology Modifiers, National ACS Meeting, Miami Beach, Florida, September 10-14, 1989.
11. G. G. Fuller, Optical Rheometry (invited lecture). Symposium on Polymer Rheology and Processing, Pacifichem 89, Honolulu, Hawaii, Dec. 17-22, 1989.
12. G. G. Fuller, Infrared Polarimetry Studies for Multi-Component Polymer Melts (invited lecture), International Discussion Meeting on Relaxation in Complex Systems, Heraklion, Crete, June 18-19, 1990.
13. G. G. Fuller, Infrared Optical Rheometry of Multicomponent Polymer Melts (keynote lecture), British Society of Rheology, Golden Jubilee Meeting, Edinburgh, Scotland, September 3-9, 1990.
14. G. G. Fuller, Optical Rheometry, Thiele Lectureship Award, Notre Dame University, Notre Dame, IN, October 10, 1990.
15. G. G. Fuller, Dynamics of Polymer Liquids using Optical Rheometry (keynote lecture), 23rd Annual Mardi Gras Symposium in Theoretical Chemistry, New Orleans, LA, February 5, 1991.

16. G. G. Fuller, Dynamics of Multicomponent and Heterogeneous Polymer Liquids (keynote lecture), APS 1991 March Meeting, Cincinnati, OH.
17. G.G. Fuller, Rheo-Optics of Multicomponent Polymeric Liquids (invited lecture), Materials Research Society Fall Meeting, Boston, MA, December 2-6, 1991.
18. Gerald G. Fuller, Optical Rheometry of Polymer Liquids (keynote lecture), XIth International Congress on Rheology, Brussels, August, 1992.
19. Gerald G. Fuller, Optical Rheometry of Multicomponent Complex Liquids (keynote lecture), 16th All Union Symposium on Rheology, Dnepropetrovsk, Ukraine, September 1992.
20. Gerald G. Fuller, Dynamics of Compatible Blends (invited lecture), Spanish National Council of Scientific Research, Alicante, Spain, July 1993.
21. J.A. Zawada, G.G. Fuller and R.H. Colby, Isolating Component Contributions to the Overall Rheology in 1,4-Polyisoprene/1,2-Polybutadiene Miscible Blends (invited lecture), presented at the International Conference on Rheometry of Polymers from the "Solution to the Melt", Abbaye Royale de Fontevraud, France, May 1993.
22. Gerald G. Fuller, Isolating Component Contributions to the Overall Rheology in 1,4-Polyisoprene/1,2-Polybutadiene Miscible Blends (invited lecture), presented at the Theoretical and General Rheology, British Society of Rheology Meeting, Cambridge, England, September 22-24, 1993.
23. Gerald G. Fuller, Orientational Coupling in Bidisperse Polymer Blends (invited lecture), presented at the 2nd International Meeting on Extensional and Shear Flow from the Solution to the Melt, St. Andrews, Scotland, June 19-22, 1994.
24. Gerald G. Fuller, Optical Rheometry of Multicomponent Polymer Liquids (invited lecture), presented at the IUPAC International Symposium on Macromolecules, Akron, OH, July 11-15, 1994.
25. Gerald G. Fuller, Flow-Induced Structure in Multi-Component Polymers (invited lecture), presented at the ACS National Meeting, Washington, DC, August 21-26, 1994.
26. Gerald G. Fuller, Structure and Dynamics of Multi-Component Polymer Liquids (keynote lecture), presented at the 4th European Rheology Conference, Seville, Spain, September 4-9, 1994.
27. Gerald G. Fuller, Recent Advances in Optical Rheometry (keynote lecture), presented at the Pacific Conference on Rheology and Polymer Processing, Kyoto, Japan, September 26-30, 1994.
28. Gerald G. Fuller, Structure and Dynamics of Complex Liquids by Optical Rheometry (keynote lecture), Conference on Complex Fluids, International Centre of Condensed Matter Physics, University of Brasilia, Brazil, December 13-16, 1994.
29. Gerald G. Fuller, Flow-Induced Concentration Fluctuations in Complex Liquids (keynote lecture), Polymer Processing Society-11, Seoul, Korea, March 27-30, 1995.
30. Gerald G. Fuller, optical Studies of Flow-Orientation and Relaxation in Monolayer Films (invited lecture), Symposium on Interfaces and Surfaces in the Rheology of Polymers, ACS National Meeting, Anaheim, April 2-6, 1995.
31. Gerald G. Fuller, Flow-Induced Orientation in Langmuir Monolayers (invited

- lecture), London Mathematical Society Symposium on Mathematical Models of Liquid Crystals and Related Polymeric Systems, University of Durham, England, July 10-20, 1995.
32. Interfacial Dynamics of Polymer Monolayers (keynote lecture), 36th IUPAC International Symposium on Macromolecules, Seoul, Korea, August 4-9, 1996.
 33. Flow-Induced Orientation of Monolayers (invited lecture), Gordon Research Conference on Organic Thin Films, Ventura, CA, January 28 - February 2, 1996.
 34. Dynamics of Polymeric Fluids: Influence of Flow on Microstructure (invited lecture), Nineteenth Asilomar Conference on Polymeric Materials, Pacific Grove, CA, February 11-14, 1996.
 35. Concentration Fluctuations of Sheared Polymer-Polymer Solutions (invited lecture), The American Physical Society, Division of High Polymer Physics Meeting, St. Louis, MO, March 18-21, 1996.
 36. Orientational Dynamics of Polymer Liquids and Monolayers (invited lecture), CERSIM Colloque '96, Laval University, Quebec, Que., Nov. 29, 1996.
 37. Flow-Induced Dynamics of Polymer Liquids and Interfaces (invited lecture), Polymers West Gordon Research Conf., Ventura, CA, January 5 - 10, 1997.
 38. Elongational Flow of a Two-dimensional Polymer Nematic (invited lecture), MRS Spring 1997 Meeting, San Francisco, CA, March 31- April 4, 1997.
 39. Flow orientation of a two-dimensional polymer liquid crystal (invited lecture), The Second International Conference on Dynamics of Polymeric Liquids, Capri, Italy, May 7 - 10, 1997.
 40. Dynamics and Structure of Langmuir Monolayers Subject to Flow (invited lecture), 3rd International Discussion Meeting on Relaxations in Complex Systems, Vigo, Spain, June 30 - July 11, 1997.
 41. Optical Rheometry of Complex Liquids and Interfaces (Bingham Plenary Lecture), 69th Annual Meeting of the Society of Rheology, Columbus, OH October 19-23, 1997.
 42. Interfacial Rheometry of Complex Interfaces (Invited Paper), Symposium on Nonequilibrium Dynamic Processes at Colloidal Interfaces, ACS Spring Meeting, Dallas, TX, March 29 - April 2, 1998.
 43. Recent Advances in Optical Rheometry (Keynote Lecture), The Polymer Processing Society, 14th Annual Meeting, Yokohama, Japan, June 8-12, 1998.
 44. Dynamics and Crystalline Connectivity of Stereoblock Polypropylene (Invited Lecture), Mitsubishi Chemical Workshop on Polymer Manufacturing, Mizushima, Japan, June 4-5, 1998.
 45. Rheology and Dynamics of Complex Langmuir Films (Invited Lecture), 72nd ACS Colloid and Surface Science Symposium, Pennsylvania State University, June 21-24, 1998.
 46. Interfacial Rheology of Complex Interfaces (Keynote Lecture), 2nd Meeting of the Hellenic Society of Rheology and International Symposium, Heraklion, Crete, Greece, Aug. 21-Sept. 2, 1998.
 47. Recent Advances in Optical Rheometry (Keynote Lecture), 5th European Rheology Conference, Portoroz, Slovenia, September, 6-11, 1998.
 48. Flow-induced Morphology in Polymer-Polymer Emulsions (Invited Paper), AIChE Annual Meeting, Miami Beach, FL, Nov. 15-20, 1998.

49. Crystallization and Dynamics of Stereoblock Polypropylenes (Invited Paper), Gordon Research Conference on Elastomers, Networks and Gels, New London, NH, July 18-23, 1999.
50. Optical and Extensional Rheology (Invited Lectures), Sixth European School of Rheology, 6th-10th September 1999, Leuven, Belgium.
51. Structure and Dynamics of Elastomeric Polypropylene (Invited Paper), First Southern Europe Conference on Rheology, Calabria, Italy, 7th-11th September 1999.
52. The Rheology of Two-Dimensional Systems (Plenary Lecture), Perspectives on Rheology for the 21st Anniversary Meeting of the Korean Society of Rheology, Seoul, Korea, Nov. 9-10, 1999.
53. Rheology in Two Dimensions (Invited Lecture), David V. Boger Symposium, Melbourne, Australia, Nov. 15-16, 1999.
54. The Rheology of Complex Interfaces (Plenary Lecture), Tiger-Hen Day - Joint Polymer Science Symposium between the University of Delaware and Princeton University, Newark, DE, Jan. 15, 2000.
55. Rheology in Two Dimensions (Plenary Lecture), Workshop on Surfactant Flows at Interfaces, The Institute for Surface and Interface Science, UCI, Laguna Beach, CA, April 28 & 29, 2000.
56. Dynamics of Polymers in 2D (Invited Lecture), Dillon Symposium of the APS March Meeting, Minneapolis, MN, Mar. 19-24, 2000.
57. Order and Disorder of Polymer Monolayers (Invited Lecture), Multi-Level Ordering by Competing Short and Long Range Interactions in Macromolecular Systems Discussion Meeting, Weingarten, Germany, June 3-8, 2000.
58. Interfacial Rheology in Polymer Processing (Invited Lecture), The Polymer Processing Society, Zlin, Czech Republic, Aug. 16-18, 2000.
59. Rheology Of Complex Fluid Interfaces (Invited Lecture), LB 9-Potsdam 2000, The Ninth International Conference on Organised Molecular Films, Potsdam, Germany, 8/28-9/1, 2000.
60. Rheology in Two Dimensions (Invited Lecture), Rheological aspects of surfactant based systems, Collingwood College, University of Durham, England, 18-19 Sept. 2000.
61. The dynamics of polymer chains trapped in two dimensions (Invited Lecture), POLYMERS (WEST) Gordon Conference, January 7-11, 2001, Ventura, California.
62. DNA Chains Slithering on Interfaces: Chain Dynamics in 2D (Invited Lecture), Chains@Interfaces 2001" Euroconference, Evora, Portugal, January 14 - 19, 2001.
63. Rheology in Two Dimensions (Invited Lecture), London Rheology Group, Mechanical Engineering Department, Kings College, London, England, February, 22, 2001.
64. Perspectives on Chemical Engineering (Invited Lecture), Korean Academy of Engineering, Seoul, Korea, May 29, 2001.
65. Interfacial Rheology: Stresses and Strains in Flatland (Invited Lecture), Korean Society of Rheology, Postech, Korea, May 31, 2001.
66. Crystallization and dynamics of stereoblock polypropylene (Invited Lecture),

- Gordon Conference, Polymers East, New Hampshire, July 9 - 12, 2001.
67. Rheology in Two Dimensions (Invited Lecture), Swiss Rheology Society, Lausanne, Switzerland, September 4, 2001.
 68. Complex Fluid Interfaces, Conference On Process Modelling, Lake Vyrnwy Hotel, Powys, Mid-Wales, UK, March 25-27, 2002.
 69. Orientation Dynamics of Stereoblock Polypropylene (Invited Lecture), Symposium on Complex Liquids, Capri May 26-29, 2002.
 70. Orientation and Crystallization of Polypropylene, (Keynote Address), Polymer Processing Society, Guimares, Portugal, June 16-20, 2002.
 71. Structure and Dynamics of Particle Monolayers at a Liquid-Liquid Interface Subjected to Shear Flow (Invited Lecture), Faraday Discussion 123 on Non-Equilibrium Behavior of Colloidal Dispersions, Edinburgh, UK, Sept. 9-11, 2002.
 72. Rheology of Complex Fluid Interfaces (Invited Lecture), Polymer Processing Society, Tapei, Taiwan, Nov. 3-7, 2002.
 73. Interfacial Rheology and Emulsion Stability (Invited Lecture), Third International Symposium on Food Rheology and Structure, Zürich/Switzerland, Feb. 9 - 13, 2003.
 74. 2D Suspensions (Invited Lecture), Rheometry II, Miskin Manor, Cardiff, Wales UK, April 14-16, 2003.
 75. Holtz Lecturer, Department of Chemical Engineering, Johns Hopkins University, April 24 - 25, 2003.
 76. Dynamics of 2-Dimensional Colloidal Crystals (Invited Lecture), 3rd Chemical Engineering Conference for Collaborative Research in Eastern Mediterranean (EMCC-3), May 14-16, 2003, Thessaloniki, Greece
 77. Flow-induced Crystallization of Elastomeric Polypropylene (Invited Lecture), Polymer Processing Society, Melbourne, Australia, July 6 - 10, 2003.
 78. Coalescence of Particle-Laden Interfaces (Invited Lecture), Unilever Rheology Workshop, Clinton Inn, Tenafly, NJ, August 19-20, 2003.
 79. Interfacial Rheology of Polymer Monolayers (Invited Lecture), Symposium Honoring Paul Flory, ACS Annual Meeting, New York, NY, September 7 - 11, 2003
 80. Lecturer, European School on Rheology (Invited Lecture), University of Leuven, Belgium, September 15 - 19.
 81. Stabilization of Pickering Emulsions (Invited Lecture), Nestle Rheology Workshop, Lausanne, Switzerland, September 23 - 25, 2003.
 82. Emulsion Stability and Interfacial Rheology (Invited Lecture), Special Panel Discussion on Rheology, American Association of Cereal Chemists, Portland, Oregon, September 28 - October 2, 2003.
 83. Stabilization of Emulsions by Protein Interfaces (Keynote Lecture), Food Processing Division, AIChE Annual Meeting, San Francisco, CA, November, 2003.
 84. Interfacial Rheology (Invited Lecture), TA Instruments Workshop, San Antonio, TX, February 2 - 4, 2004.
 85. Particle-laden Interfaces (Invited Lecture), Neue Ansätze für innovative Polymerwerkstoffe (Professor Eisenbach Birthday Celebration), University of Stuttgart, Stuttgart, Germany, February 16 - 17, 2004.

86. Particle Stabilized Emulsions (Invited Lectures), Particles 2004, Orlando, FL, March 7 – 9, 2004.
87. Complex Fluid Interfaces (Visiting Professor), Hong Kong University of Science and Technology, Hong Kong, April 5 – 8, 2004.
88. “Complex Fluid Interfaces” and “Connect the Drops – Particle Stabilized Emulsions”, Smith Lectureship, Cornell University, Ithaca, NY, April 19 – 20, 2004.
89. “Complex Fluid Interfaces” and “Connect the Drops – Particle Stabilized Emulsions”, Pearson Lectureship, UCSB, Santa Barbara, CA, May 9 – 13, 2004.
90. Particle Stabilized Emulsions (Plenary Lecture), Rheology Symposium of the Rheology Group of Brazil, Rio de Janeiro, Brazil, July 7 – 9, 2004.
91. Foam Stability (Invited Lecture), Unilever Workshop, Edgewater, NJ, July 22 – 23, 2004.
92. Two-Dimensional Melts and Suspensions (Invited Lecture), SoftComp Symposium, University of Leuven, Leuven, Belgium, 20-21, 2005.
93. Rheology and Stability of Complex Fluid Interfaces (Plenary Lecture), Unilever Corporate Review, Sharnbrook, England, May 9-12, 2005.
94. Rheology of Complex Fluid Interfaces (Keynote Lecture), 6th Liquid Matter Conference, Utrecht, The Netherlands, July 2-6, 2005.
95. Complex Fluid Interfaces and Emulsion Stability (Plenary Lecture), BASF Symposium, Ludwigshafen, Germany, Sept. 5-6, 2005.
96. Short Course on Rheology (Invited Lecturer), University of Leuven, Leuven, Belgium, Sept. 12-15, 2005.
97. Particle-stabilized emulsions with controllable stability (Keynote Lecture), Nanotechnology Talks IV, Frankfurt, Germany, Sept. 29-30, 2005.
98. Two Dimensional Polymer Glasses (Invited Lecture), Dealy Symposium: Molecular Structure and Rheology, Annual Meeting of the Society of Rheology, Vancouver, Canada, October 16-20, 2005.
99. Two Dimensional Polymer Melts, Gordon Research Conference on Colloidal, Macromolecular & Polyelectrolyte Solutions (Invited Lecture), Ventura, CA, February 5 – 10, 2006.
100. Complex Fluid Interfaces: Applications in Consumer Products and the Life Sciences, The Lodge Commemorative Meeting on Rheology (Keynote Lecture), Cardiff, Wales, April 10-12, 2006.
101. Collagen Monolayers (Invited Lecture), Materials Research Society, San Francisco, CA, April 17-20, 2006.
102. Interfacial Rheology: Applications from Industry and Nature (Invited Lecture), 2006 Users Meeting and Symposium, TA Instruments, Newport, Rhode Island, May 8-11, 2006.
103. Two Dimensional Suspensions and Polymer Melts (Invited Lecture), IV Workshop on Non Equilibrium Phenomena in Supercooled Fluids, Glasses and Amorphous Materials, Pisa, Italy, September 17-22, 2006.
104. Solid Stabilized Emulsions (Keynote Lecture), World Congress on Emulsions, Lyon, France, October 3-6, 2006.
105. Solid Stabilized Emulsions (Invited Lecture), Special Symposium Honoring William Russel of Princeton, ACS National Meeting, Washington, DC, March 26, 27, 2007.

106. Complex Fluid Interfaces (Plenary Lecture), Annual European Rheology Conference, Naples, Italy, April 12-14, 2007.
107. Interfacial Rheology (Plenary Lecture), Korean Society of Rheology Annual Meeting, Seoul, S. Korea, May 17, 2007.
108. Structure and Dynamics of Complex Fluid Interfaces (Keynote Lecture), ACS Colloids Meeting, University of Delaware, Newark, DE, June 24-27, 2007.
109. European Short Course on Rheology (Invited Lecturer), Leuven University, Leuven, Belgium, September 2-7, 2007.
110. Flow processing and rheology of complex fluid interfaces (Plenary Lecture in Interfacial Phenomena), AIChE Annual Meeting, Salt Lake City, UT, Nov. 4-9, 2008.
111. Two Problems in Biomedicine: Rheology to the Rescue (Plenary Lecture). Korean Society of Rheology, Hanna Square at Korea University, Monday, Nov. 19, 2007, Plenary Lecture.
112. Interfacial Flow Processing of Biological Materials (Keynote Lecture), Frontiers in Microrheology Workshop, California NanoSystems Institute, UCLA, Los Angeles, Feb. 6-10, 2008.
113. Rheology and Materials Processing (Invited Lecturer), Science and Technology Panel of the Moroccan Academy of Science and Technology, University of Mohamedia, Feb. 18, 2008.
114. Interfacial Flow Processing of Biological Materials (Plenary Lecture), Workshop on Complex Flows of Complex Fluids, Institute of Non-Newtonian Fluid Mechanics and the British Society of Rheology, University of Liverpool, UK, March 17-19, 2008.
115. Interfacial Rheology (Keynote Lecture), TA 3rd User Meeting on Rheology and Thermal Analysis, Scottsdale, AZ, May 4-7th, 2008.
116. Interfacial processing of collagen monolayers for contact guidance of mammalian cells (Keynote Lecture), Surfactants in Solutions (SIS) meeting in Berlin, Germany, Aug. 17-21, 2008.
117. Interfacial Flow Processing of Collagen, Invited Lecture at the Symposium Honor Bud Homsy, AIChE Annual Meeting, Philadelphia, November 15-21, 2008.
118. Interfacial Flow Processing of Collagen Substrates, De Gennes Discussion Conference, Chamonix, France, Feb. 2-5, 2009.
119. Rinsing flows: using polymeric liquids as soft adhesives, Presentation to the Moroccan National Society of Science and Technology, February 24, 2009.
120. Rheology of High Interface Systems, Two Day Short Course to the Multiphase Flow Assurance Innovation Center, Oslo, Norway, March 23, 24, 2009 (with J. Vermant and S. Cox).
121. Interfacial Rheology (Invited Lecture), Rheology Research Center, University of Wisconsin, Madison, WI, April 3, 2008.
123. Oriented Collagen Substrates for Directed Cell Growth (Keynote Lecture), Inaugural Meeting of the Romanian Society of Rheology, Bran, Transylvania, Romania, June 15-19, 2009.
124. Interfacial rheology of Meibomian fluids (Invited Lecture), "Solving Dye Eye" Symposium, Sydney Australia, August 3-7, 2009.
125. Rinsing flows: Transforming polymeric liquids into soft adhesives (Plenary Lecture), 20th Anniversary of the Korean Society of Rheology, Seoul, Korea, August 19-21, 2009.
126. Lectures on "Extensional Viscosity" and "Interfacial Viscosity", European

- Rheology School, University of Leuven, Belgium, September 21-25, 2009.
127. Rheology to the Rescue: Two Problems in Biomedicine, Presentation of an Honorary Degree from the University of Crete, Heraklion, Greece, November 25, 2009.
 128. Particle Removal by Rinsing Non-Newtonian Fluids (Keynote Lecture), Symposium on Complex Fluids, IIT Madras, Chennai, India, 4 – 9 January, 2010.
 129. Rinsing Flows, A New Class of Non-Newtonian Flow (Invited Lecture), Welsh Conference on Rheometry, March 29-31, 2010, at Lake Vyrnwy, Wales UK.
 130. Rinsing Flows: Turning Polymeric Liquids into Soft Adhesives (Plenary Lecture), Inaugural Meeting of the Brazilian Society of Rheology, Rio de Janeiro, Brazil, July 14-16, 2010.
 131. Interfacial Rheology (Series of Invited Lectures), DynaSoft2010: Dynamics in Soft Condensed Matter, Corsica, France, August 2-13, 2010.
 132. Rinsing Flows of Non-Newtonian Fluids, Invited Lectures, International workshop on colloids and interface: Microstructure Fluids and Materials KAIST, Korea, 18th-20th August, 2010.
 133. Particle Removal by Rinsing Polymeric Liquids (Plenary Lecture), South African Society of Rheology, 3rd Conference on Rheology, Cape Town, SA, September 8-10, 2010.
 134. Bulk and Interfacial Rheology of Meibum and Its Effect on Dewetting (Invited Lecture), G. Fuller, D. Leiske, and L. Rosenfeld, International Congress on Industrial and Applied Mathematics, Vancouver, July 20-24, 2010.
 135. Lifting physisorbed colloidal particles from solid surfaces (Keynote Lecture), ACS Meeting, March 27-31, 2011 in Anaheim, California
 136. Rheology of Biological Interfaces (Plenary Lecture), University of Wales Institute of non-Newtonian Fluid Mechanics 20th, Apr. 18-20, 2011, Portmeirion Village, Wales.
 137. Interfacial Rheology of Biological Fluids (Keynote Lecture), 7th Annual European Rheology Conference AERC, May 10-14, 2011 Suzdal, Russia.
 138. Rinsing Flows: Ablation of non-Newtonian Liquids from Solid Surfaces (Plenary Lecture), Nordic Society of Rheology, Helsinki, Finland, June 8-10, 2011.
 139. Rheology of Biological Interfaces (Plenary Lecture), Lorentz Workshop on the topic "Dynamics of complex fluid-fluid interfaces", University of Leiden, The Netherlands, September 26-29, 2011.
 140. Interfacial Rheology of Biological Interfaces (Invited Lecture), Indian Complex Fluids Symposium, January 6-7, 2012.
 141. Interfacial Rheology of Biological Interfaces (Invited Lecture), TA Users Group, New Orleans, LA, April 30-May 2, 2012.
 142. The Rheology of Living Cells (Plenary Lecture), International Symposium of Applied Rheology, Seoul, Korea, May 17-18, 2012.
 143. Interfacial Rheology of Biological Interfaces (Plenary Lecture), International Congress on Rheology, Lisbon, Portugal, August 5-9, 2012.
 144. Extensional Viscosity and the Art of "Do the Dishes" (Invited Lecture), International Congress on Rheology, Lisbon, Portugal, August 5-9, 2012.
 145. Interfacial Rheology of Biofilms Associated with Infectious Disease (Plenary Lecture), South African Society of Rheology, Cape Town, SA, September 10-11, 2012.
 146. Tear Film Stability and Contact Lens Comfort: The Role of Rheology,

- Keynote Lecture, Institute of NonNewtonian Fluid Mechanics, Chicheley Hall, England, March 25-27, 2013.
147. The dynamics of biofilm formation, Plenary Lecture, 6th Brazilian Conference on Rheology, Rio de Janeiro, July 10-12, 2013.
148. The Interfacial Rheology of Biofilms at the Air/Colony Interface, Keynote Lecture, 3rd International Soft Matter Conference, September 15-19, 2013, Rome, Italy.
149. The Dynamics of Biological Interfaces, Plenary Lecture, 1st International Conference on Rheology and Modeling of Materials, Miskolc-Lillafured, Hungary, October, 7 – 11, 2013.
150. Nature's Rheologists: Response of vascular endothelial cells to complex flows, IUTAM Meeting on Transition and turbulence in the flow through deformable tubes and channels, Bangalore, India, January 20-24, 2014 (Plenary Lecture)
151. Stability of the Tear Film, Lecture to the Indian Academy of Science, IISc, Bangalore, India, January 23, 2014 (Invited Lecture)
152. Dynamics of Two Biological Interfaces, Dumas Distinguished Lecture, Virginia Tech University, March 21, 2014.
153. Drainage and Dewetting of Thin Films in the Presence of Interfacial Viscoelasticity, INNFM Meeting on Rheometry, Lake Vyrnwy, Wales, April 14-16, 2014 (Keynote Lecture).
154. Nature's rheologists: Endothelial responses to wall shear stress, "Stress and signaling in the vascular endothelium" meeting at the University of Durham, April 17, 2014 (Plenary Lecture).
155. Stanford and Leuven: A tale of two college towns, presentation at the bestowal of the Honorary Doctorate from the University of Leuven on the occasion of its celebration of 150 years of engineering, June 3, 2014.
156. Deposition of Insoluble Materials on Hydrogel Surfaces: Influence on Dewetting, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014 (Invited Lecture in Celebration of the 70th Birthday of Clay Radke).
157. Advances in Interfacial Rheology, TA Users Meeting, San Antonio, TX, Feb. 15-18, 2015 (Keynote Lecture).
158. The Dynamics of Two Biological Interfaces, The Talbot Distinguished Lecture of the Mechanical Engineering Department, Univ. Illinois at Urbana-Champaign, March 19, 2015.
159. Workshop on Rheology, Materials Science, University of Crete, Greece, June 23-24, 2015.
160. Workshop on Rheology, Houston, TX, July 13-15, 2015.
161. Workshop on Oil Recovery Mechanics, Stanford University, August 3-6, 2015.
162. European Short Course on Rheology, University of Leuven, Belgium, September 7-11, 2015.
163. Stability the tear and alveoli films, it's a matter of stress, Soft Matter Symposium: Friction, Rheology, and Tribology, University of Florida, Gainesville, FL, October 22, 2015.
164. All Stressed Out: Biofilm Adhesion and Endothelial Cells Responding to Flow, Soft Matter Day, ETH, November 26, 2015 (Plenary Lecture).
165. Measuring Adhesion between Uropathogenic E.Coli and Bladder-Epithelial Cells, Multiscale Methods and Validation in Medicine and Biology III, UCLA, Los Angeles,

- CA, February 25-26, 2016 (Invited Lecture).
166. Short Course on Rheology , Fuller GG and Macosko C, Sociedad Argentina, Universidad Nacional de San Martin, Buenos Aires, Argentina, April 4&5, 2016.
167. Short Course on Rheology, Fuller, GG and Macosko C, Universidad de los Andes, Bogota, Colombia, April 7&8, 2016.
168. All Stressed Out: Mammalian Cells Subject to Adhesive and Hydrodynamic Stress, Bird/Stewart/Lightfoot Lecture, University of Wisconsin, Madison, WI, April 21, 2017.
169. Spreading of Miscible Liquids, SOMATAI Conference, Fodele Beach Hotel, Fodele, Crete, May 30-June 3, 2016 (Invited Lecture).
170. Measuring the Adhesion of Uropathogenic *E. Coli* onto Human Bladder Cells, Biofilms7, 26-28 June 2016, in Porto, Portugal.
171. Short Course on Interfacial Rheology, Fuller GG and Vermant J, Kyoto, Japan, August 6-7, 2016.
172. Spreading of Miscible Liquids, Workshop on New Aspects of Micro- and Macroscopic Flows in Soft Matter, OIST, Okinawa, Japan, August 9-12, 2016 (Invited Lecture).
173. Biofilm-assisted adhesion onto bladder cells, Soft Matter Symposium, University of Florida, Gainesville, FL, October 18-19, 2016 (Invited Lecture).
174. Viscoelasticity in (Nearly) Two Dimensions, Katz Memorial Lecture, Chemical Engineering, CCNY, March 20, 2017
175. Short Course on Rheology, Istanbul Technical University, Turkey, April 12, 13, 2017.
176. Short Course on Rheology, Irvine, CA, May 16-18, 2017.
177. Interfacial and Biorheology, Rheology Summer School, Gura Humorului, Romania, June 18-24, 2017. (Plenary Lecture).
178. Adhesion of Uropathogenic *Escherichia coli* to Bladder Epithelial Cells, 17th Congress of Asian Pacific Confederation of Chemical Engineering, Hong Kong, August 21-24, 2017 (Plenary Lecture).
179. Biofilm Symposium, Okinawa, August 28-31 (Keynote Lecture).
180. Adhesion of Corneal Epithelial Cells to Contact Lenses, 47th Cambridge Ophthalmological Symposium, Cambridge, England, Sept. 6-8, 2017 (Keynote Lecture).
181. European Short Course on Rheology, University of Leuven, Belgium, September 11-15, 2017.

Contributed Conference Presentations

1. G.G. Fuller and L.G. Leal, Flow Birefringence of Concentrated Polymer Solutions Subjected to Two Dimensional Flows, presented at the Golden Jubilee Meeting of the Society of Rheology, Boston, Massachusetts, October 1979.
2. L.G. Leal, G.G. Fuller and W.L. Olbricht, Studies of the Flow Induced Stretching of a Macromolecule in Dilute Solution, presented at the Viscous Drag Reduction Symposium, Dallas, Texas, November 1979.
3. G.G. Fuller and L.G. Leal, Effect of Molecular Weight and Flow Type on Flow Birefringence of Dilute Polymer Solutions, presented at the VIIIth International Congress on Rheology, Naples, Italy, September 1980.

4. L.G. Leal and G.G. Fuller, Experimental and Theoretical Studies of Entanglement Network Models for Macromolecular Solutions, presented at the AIChE National Meeting Chicago, Illinois, November 1980.
5. G.G. Fuller, Dynamics of an Adsorbed Polymer Molecule Subjected to Flow, presented at the 159th meeting of the Electrochemical Society, Minneapolis, Minnesota, May 1981.
6. G.G. Fuller, Response of Adsorbed Polymer Molecules to an Imposed Flow, presented at the 28th Congress I.U.P.A.C., Vancouver, B.C., Canada, August 1981.
7. G.G. Fuller, The Response of Adsorbed Polymer Chains Subjected to Flow, presented at the AIChE National Meeting, New Orleans, Louisiana, November 1981.
8. G.G. Fuller, A.W. Chow and P.L. Frattini, Flow Birefringence in Time Dependent Flows, presented at the 54th Annual Meeting of the Society of Rheology, Evanston, Illinois, October 1982.
9. G.G. Fuller and A.W. Chow, Flow Birefringence of Rod Like Polymers in Transient Shear Flow, 185th ACS National Meeting, Seattle, Washington, March 1983.
10. G.G. Fuller, A.W. Chow and D. Wallace, Response of Collagen Solutions to Transient Shear by Two-Color Flow Birefringence, presented at the Fifth International Congress on Biorheology, Baden-Baden, FRG, August 1983.
11. G.G. Fuller and P.L. Frattini, The Response of Red Blood Cells to Transient Shear Flows by Phase Modulated Dichroism, presented at the Fifth International Congress on Biorheology, Baden-Baden, FRG, August 1983.
12. G.G. Fuller and J.-J. Lee, Flow-Enhanced Desorption of Adsorbed Polymer Chains, presented at the 186th ACS National Meeting, Washington, D.C., August 1983.
13. G.G. Fuller and P.L. Frattini, Flow-Induced Dichroism and Average Angle of Orientation of Colloidal Suspensions in Transient Shear Flow, presented at the 186th ACS National Meeting, Washington, D.C., August 1983.
14. G.G. Fuller and A.W. Chow, Response of Collagen Solutions to Transient Shear Flow by Two-Color Flow Birefringence, presented at the 55th Annual Meeting of the Society of Rheology, Knoxville, Tennessee, October 1983.
15. G.G. Fuller and P.L. Frattini, Flow-Induced Dichroism and Average Angle of Orientation of Colloidal Suspensions in Transient Shear Flow, presented at the 55th Annual Meeting of the Society of Rheology, Knoxville, Tennessee, October 1983.
16. G.G. Fuller and J.-J. Lee, Flow-Enhanced Desorption of Adsorbed Polymer Chains, presented at the 55th Annual Meeting of the Society of Rheology, Knoxville, Tennessee, October 1983.
17. G.G. Fuller and P.L. Frattini, Dynamics of Suspended Particles in Transient Shear Flow by Phase Modulated Flow Dichroism, 36th Annual Meeting of the Division of Fluid Mechanics, APS, Houston, Texas, November 1983.
18. G.G. Fuller and J.-J. Lee, Polymer Adsorption under Flowing Conditions by Ellipsometry, 58th ACS Colloid and Surface Sciences Symposium, Carnegie-Mellon University, Pittsburgh, Pennsylvania, June 10-13, 1984.

19. G.G. Fuller and P.L. Frattini, Colloidal Solutions in Transient Shear Flow by Phase-Modulated Conservative Dichroism, 58th ACS Colloid and Surface Sciences Symposium, Carnegie-Mellon University Pittsburgh, Pennsylvania, June 10-13, 1984.
20. G.G. Fuller and A.W. Chow, Response of Rigid Collagen Protein Chains in Semi-Dilute Solution to Transient Simple Shear Flow by Two-Color Flow Birefringence, 58th ACS Colloid and Surface Sciences Symposium, Carnegie Mellon University, Pittsburgh, Pennsylvania, June 10- 13, 1984.
21. G.G. Fuller and B.E. Zebrowski, The Effect of Molecular Weight on Transient Birefringence of Concentrated Polymer Solutions, Proceedings of the IXth International Congress on Rheology, Acapulco, Mexico, October 1984.
22. G.G. Fuller and A.W. Chow, Two-Color Flow Birefringence of Collagen Subjected to Transient Shear Flow, Proceedings of the IXth International Congress on Rheology, Acapulco, Mexico, October 1984.
23. G.G. Fuller and J.-J. Lee, Adsorption and Desorption of Flexible Polymer Chains in Flowing Systems, Proceedings of the IXth International Congress on Rheology, Acapulco, Mexico, October 1984.
24. G.G. Fuller and P.L. Frattini, Microscale Dynamics of a Sheared Suspension by Linear Dichroism, Proceedings of the IXth International Congress on Rheology, Acapulco, Mexico, October 1984.
25. G.G. Fuller and A.W. Chow, Dynamics of Rod-Like Polymers Subject to Transient Flows, AIChE Annual Meeting San Francisco, California, November 1984.
26. G.G. Fuller and B.E. Zebrowski, Flow Birefringence Measurements of Concentrated Monodisperse and Bimodal Flexible Chain Solutions in Transient Flow, AIChE Annual Meeting, San Francisco, California, November 1984.
27. G.G. Fuller and P.L. Frattini, Dynamics of Dilute Colloidal Suspensions by Linear Dichroism, AIChE Annual Meeting, San Francisco, California, November 1984.
28. G.G. Fuller and O Ok Park, Transport of Rod-Like Polymers Through Small Channels, AIChE Annual Meeting, San Francisco, California, November 1984.
29. G.G. Fuller and P.L. Frattini, Dynamics of Colloidal Suspensions Subject to Transient Shear Flow, 5th International Physico-Chemical Hydrodynamics Conference, Tel Aviv, Israel, December 1984.
30. G.G. Fuller, B.E. Zebrowski and A.W. Chow, Response of Rod-Like and Flexible Polymer Chains to Transient Flows, 5th International Physico-Chemical Hydrodynamics Conference, Tel Aviv, Israel, December 1984.
31. G.G. Fuller, Optical Methods for Transient Flows, 56th Annual Meeting of the Society of Rheology, Blacksburg, Virginia, February 1985.
32. G.G. Fuller, Optical Methods for Suspension Rheology, European Mechanics Colloquium, No. 191, England, April 1985.
33. G.G. Fuller, Optical Techniques in Suspension Rheology, 5th International Conference on Surface and Colloid Science, Clarkson University, Potsdam, New York, June 1985.
34. G.G. Fuller, Optical Techniques in Suspension Rheology, AIChE National Meeting, Seattle, Washington, August 1985.

35. G.G. Fuller, Optical Techniques in Suspension Rheology, ACS Annual Meeting, Chicago, Illinois, September 1985.
36. G.G. Fuller and A.J. Salem, Small Angle Light Scattering as a Probe of Particle Orientation in Sheared Suspensions, AIChE Annual Meeting, Chicago, Illinois November 1985.
37. G.G. Fuller, Optical Techniques in Suspension Rheology, AIChE Annual Meeting, Chicago, Illinois, November 1985.
38. G.G. Fuller and S.J. Johnson, Optical Rheometry of Particles Suspended in NonNewtonian Fluids, International Conference on Viscoelasticity of Polymeric Liquids Grenoble, France, January, 1986.
39. G.G. Fuller, Optical Rheometry, 2nd Conference of European Rheologists, Prague, Czechoslovakia, June, 1986.
40. G.G. Fuller, S.J. Johnson and A.J. Salem, Optical Rheometry of Dispersions, 10th U.S. National Congress of Applied Mechanics, Austin, Texas, June, 1986.
41. S.J. Johnson and G.G. Fuller, The Motion of Colloid Particles Suspended in Polymeric Liquids, 60th Colloid and Surface Science Symposium, Atlanta, Georgia, June 1986.
42. G.G. Fuller, B. Zebrowski, C. Cathey, and J. Kornfield Electro-hydrodynamics of Colloidal Particles, Annual Meeting of the A.I.Ch.E., Miami Beach, Florida, November. 1986.
43. J.A. Kornfield and G.G. Fuller, Infra-red Dichroism as a Probe of Molecular Dynamics in Polydisperse Polymer Melts, Society of Rheology Winter Meeting, Santa Monica, CA, January, 1987.
44. G.G. Fuller and C.A. Cathey, An Extensional Viscometer for Low Viscosity Liquids at High Strain Rates, Society of Rheology Winter Meeting, Santa Monica, CA, January 1987.
45. S.J. Johnson and G.G. Fuller, The Fluid Dynamics of Colloidal Particles Suspended in Polymeric Liquids, Faraday Discussion No. 83: Brownian Motion, Cambridge, England, April, 1987.
46. G.G. Fuller, Optical Rheometry of Suspensions and Dispersions, Engineering Foundation Conference on Fluid-Particle Interactions, Davos, Switzerland, May 1987.
47. G.G. Fuller and K.S. Wagner, The Kinetics of Electric Field Induced Structure in Concentrated Suspensions, 18th Annual Meeting of the Fine Particle Society, Boston, Massachusetts, August, 1987.
48. J.S. Lee and G.G. Fuller, Development of Couette Flow and Shear Wave Propagation by Flow Birefringence, 59th Annual Meeting of the Society of Rheology, Atlanta, Georgia, October, 1987.
49. G.G. Fuller, Optical Rheometry of Lyotropic Liquid Crystals, 59th Annual Meeting of the Society of Rheology, Atlanta, Georgia, October, 1987.
50. G.G. Fuller, S.J. Johnson, and A.J. Salem, Dynamics of Particles Suspended within a Second Order Fluid, A.I.Ch.E. Annual Meeting, New York, NY, November, 1987.
51. G.G. Fuller and J.S. Lee, The Rayleigh Problem for Viscoelastic Fluids by Spatially Scanned Flow Birefringence, A.I.Ch.E. Annual Meeting, New York New York, November, 1987.

52. G.G. Fuller, The Development of an Instrument for Studying Low Viscosity Materials in Extensional Flow International Conference on Extensional Flow, Chamonix, France, January, 1988.
53. J.A. Kornfield, G.G. Fuller, and D.S. Pearson, Component Dynamics in Binary-Blend Rheology, APS Division of High-Polymer Physics Meeting, New Orleans, Louisiana, March, 1988.
54. G.G. Fuller, P. Moldenaers, and J. Mewis, Conservative Dichroism Measurements of Polymer Liquid Crystal Domain Structure in Flow, APS Division of High-Polymer Physics Meeting, New Orleans, Louisiana, March, 1988.
55. K.J. Mikkelsen, C.W. Macosko, and G.G. Fuller, Opposed Jets: An Extensional Rheometer for Low Viscosity Liquids, Xth International Congress on Rheology, Sydney, Australia, August, 1988.
56. C. A. Cathey and G.G. Fuller, The Mechanical and Optical Response of Low Viscosity Polymeric Liquids in Extensional Flow, Xth International Congress on Rheology, Sydney, Australia, August, 1988.
57. J. A. Kornfield and G.G. Fuller, Infrared Dichroism as a Probe of the Linear Viscoelasticity of Polydisperse Melts, Xth International Congress on Rheology, Sydney, Australia, August, 1988.
58. G. G. Fuller, Particle Orientation Measurements in Magnetic Media by High Speed Polarimetry, Symposium on Particulate Recording Media, Carnegie-Mellon University, Pittsburgh, PA, October 26-27, 1988.
59. G. G. Fuller, P. Moldenaers, and J. Mewis, Domain Structure in Polymer Liquid Crystals Subjected to Flow, A.I.Ch.E. Annual Meeting, Washington, D. C., Nov. 27 - Dec. 2, 1988.
60. C. A. Cathey and G. G. Fuller, Extensional Flow Properties of Flexible Chains, A.I.Ch.E. Annual Meeting, Washington, D. C., Nov. 27 - Dec.2, 1988.
61. W. R. Burghardt and G. G. Fuller, Rheo-optical Studies of Domain Dynamics in Polymer Liquid Crystal Rheology, 60th Annual Meeting of the Society of Rheology, Gainesville, FL., February 12-16, 1989.
62. C. M. Ylitalo, K. A. Kornfield, and G. G. Fuller, Molecular Weight Dependence of Molecular Relaxation in Bidisperse Melt Rheology, 60th Annual Meeting of the Society of Rheology, Gainesville, FL., February 12-16, 1989.
63. K. Smith and G. G. Fuller, Electric Field-Induced Structure in Dense Colloidal Dispersions, 60th Annual Meeting of the Society of Rheology, Gainesville, FL., February 12-16, 1989.
64. V. Abetz and G. G. Fuller, Two-Color Rotary Polarization Modulation Flow Birefringence, 60th Annual Meeting of the Society of Rheology, Gainesville, FL., February 12-16, 1989.
65. K. Mikkelsen, T. Schweizer, and G. G. Fuller, Opposed Jets Extensional Rheometry on the M1 Standard Fluid, International Conference on Extensional Flow, Combloux, France, March 20-21, 1989.
66. K. Smith, P. Adriani, G. Fuller and A. Gast, "Structural Anisotropy of Dense Colloidal Dispersions Subject to Electric Fields", 61st Annual Meeting of the Society of Rheology, Montreal, Quebec, October 21-26, 1989.
67. G. G. Fuller and J.-S. Lee, "Shear Wave Propagation in Polymeric Liquids",

- AIChE 1989 Annual Meeting, San Francisco, CA, Nov. 5-10, 1989.
68. G. G. Fuller and C. L. Valencia, "Measurements of Orientation Processes in Poling NLO Polymer Films", AIChE 1989 Annual Meeting, San Francisco, CA, Nov. 5-10, 1989.
 69. G. G. Fuller and J.-S. Lee, "Shear Wave Propagation in Polymeric Liquids", APS 42nd Annual Meeting of the Division of Fluid Mechanics, NASA Ames Research Center, Palo Alto, CA, Nov. 19-21, 1989.
 70. G. G. Fuller, "Optical Rheometry of Polymeric Liquids", Golden Gate Polymer Forum, 1990 Asilomar Conference, Asilomar, CA, March 18-20, 1990.
 71. G. G. Fuller and K. Smith, "Electro-hydrodynamics of Colloidal Dispersions", Second World Congress on Particle Technology, Kyoto, Japan, September 19-22, 1990
 72. G. G. Fuller, "Optical Rheometry of Dense Suspensions", NSF-DOE Workshop on Flow of Particulates and Fluids, Gaithersburg, MD, October 1-3, 1990.
 73. W. R. Burghardt and G. G. Fuller, "The Microstructure of Polymer Liquid Crystals Subject to Transient Flows", 62nd Annual Meeting of the Society of Rheology, Santa Fe, NM, October 21-25, 1990
 74. G. G. Fuller and C. M. Ylitalo, "Infrared Polarimetry Studies for Multicomponent Polymer Melts", 62nd Annual Meeting of the Society of Rheology, Santa Fe, NM, October 21-25, 1990.
 75. W. R. Burghardt and G. G. Fuller, "The Role of Director Tumbling in Polymer Liquid Crystals", A.I.Ch.E. 1990 Annual Meeting, Chicago, IL, November 11-16, 1990.
 76. G. G. Fuller and J. van Egmond, "Flow-induced Phase Separation in Polymer Solutions", A.I.Ch.E. 1990 Annual Meeting, Chicago, IL, November 11-16, 1990.
 77. G.G. Fuller, C. Ylitalo and J. Zawada, "Dynamics of Polymer Blends", 201st ACS National Meeting, Atlanta, GA, April 14-19, 1991.
 78. G.G. Fuller and C.M. Ylitalo, "Infrared Polarimetry Studies for Multicomponent Polymer Melts", Prague Meeting on Macromolecules, Prague, Czechoslovakia, July 15-18, 1991.
 79. J. van Egmond and G.G. Fuller, "Rheo-Optics of Flow Induced Phase Separation", ACS Annual Meeting, New York, N.Y., August 25-30, 1991.
 80. G.G. Fuller, "Extensional Mechanical and Optical Properties of Dilute Polymer Solutions", VIth IFP Research Conference on Exploration-Production, St. Raphael, France, September 4-9, 1991.
 81. G.G. Fuller and J. van Egmond, "Flow-Induced Phase Separation of Polymer Solutions", International Conference on Dynamics of Polymeric Liquids, Capri, Italy, September 11-14, 1991.
 82. J. Zawada, C. Ylitalo and G.G. Fuller, "Component Relaxation Dynamics in Poly(ethylene oxide)-Poly(methyl methacrylate) Blends", AIChE Meeting, Los Angeles, CA, November 17-22, 1991.
 83. D. Werner, G.G. Fuller and C.W. Frank, "Interrogation of Polymer Blends under Shear Flow by Small Angle Light Scattering and Excimer Fluorescence", AIChE Meeting, Los Angeles, CA, November 17-22/91.
 84. C. Valencia and G.G. Fuller, "Poling of Polymer Films for Integrated Optics

- Applications", AIChE Meeting, Los Angeles, CA, November 17-22/91.
85. J.A. Zawada and G.G. Fuller, "Component Relaxation Dynamics in Miscible Blends of Poly(ethylene oxide) and Poly(methyl methacrylate)", 63rd meeting of the Society of Rheology, Rochester, N.Y., October 20-24, 1991.
 86. L.A. Archer, G.G. Fuller and L. Nunnally, "Dynamics of Polymeric Liquids using Polarization Modulated Laser Raman Scattering", poster presented at the Gordon Research Conference Polymers-West in Ventura, CA, January 6-10, 1992.
 87. L.A. Archer and G.G. Fuller, "Polarization Modulated Laser Raman Scattering", presented at the XIth International Congress on Rheology, Brussels, August 1992.
 88. D. Wirtz, K. Berend and G.G. Fuller, "Electric Field-induced Structure in Critical Polymer Solutions", poster presented at the XIth International Congress on Rheology, Brussels, August 1992.
 89. P. D'Haeme, G.G. Fuller and J. Mewis, "Shear Thickening Effect in Highly Concentrated Colloidal Dispersions", presented at the XIth International Congress on Rheology, Brussels, August 1992.
 90. E.L. Meyer and G.G. Fuller, "Aggregate Structures in Water-soluble Polymer Systems", presented at the XIth International Congress on Rheology, Brussels, August 1992.
 91. J.W. van Egmond and G.G. Fuller, "Flow-induced Structure and Dynamics of Concentration Fluctuations of Polymer Solutions", presented at the XIth International Congress on Rheology, Brussels, August 1992.
 92. D.E. Werner, G.G. Fuller and C.W. Frank, "Flow Induced Phase Transitions for Incompatible Blends", presented at the XIth International Congress on Rheology, Brussels, August 1992.
 93. D. Wirtz, K. Berend and G.G. Fuller, "Small Angle Light Scattering, Dichroism and Birefringence Induced by an Electric Field in a Polymer Solution near the Critical Point", AIChE 1992 Annual Meeting, Miami Beach, FL, November 2, 1992.
 94. J. van Egmond and G.G. Fuller, "Flow Induced Concentration Fluctuations in a Polymer Solution subject to Extensional Flow", AIChE 1992 Annual Meeting, Miami Beach, FL, November 4, 1992.
 95. L.A. Archer and G.G. Fuller, "Orientation Dynamics of a Polymer Melt using Polarization Modulated Laser Raman Scattering", AIChE 1992 Annual Meeting, Miami Beach, FL, November 5, 1992.
 96. P. D'Haene, J. Mewis and G.G. Fuller, "Scattering Dichroism Measurements of Flow-Induced Structure of a Shear Thickening Suspension", AIChE 1992 Annual Meeting, Miami Beach, FL, November 6, 1992.
 97. J. van Egmond and G.G. Fuller, "Simultaneous Small Angle Light Scattering and Polarimetry Measurements on Flow-Induced Phase Separation", The Society of Rheology, 64th Annual Meeting, Santa Barbara, CA, February 1993.
 98. J. van Egmond and G.G. Fuller, "An Hydrodynamic Instability in Polymer Solutions due to Coupling of Nonhomogeneity in Concentration and Stress", The Society of Rheology, 64th Annual Meeting, Santa Barbara, CA, February 1993.

99. D. Wirtz, K. Berend and G.G. Fuller, "Structural Dynamics of Concentrated Polymer Solutions in Electric Fields", The Society of Rheology, 64th Annual Meeting, Santa Barbara, CA, February 1993.
100. E.L. Meyer, J. van Egmond and G.G. Fuller, "Extensional Flow-Induced Aggregation in Polymer Systems", The Society of Rheology, 64th Annual Meeting, Santa Barbara, CA, February 1993.
101. Wirtz, K. Berend and G.G. Fuller, "Electric Field Induced Structure and Dynamics in Polymer Solutions and Gels", APS Meeting, Seattle, WA, March 22-26, 1993.
102. J. Lai, E. Meyer and G.G. Fuller, "Structure and Dynamics of Polymer-Polymer Solutions and Liquid Crystalline Polymer Emulsions", 2nd International Discussion Meeting on Relaxations in Complex Systems, Alicante, Spain, July 1993.
103. J.A. Zawada, G.G. Fuller and R.H. Colby, "Component Contributions to the Overall Rheology in 1,4-Polyisoprene/1,2-Polybutadiene Miscible Blends", Society of Rheology, Boston, MA, October 1993.
104. L.A. Archer and G.G. Fuller, "Orientation and Dynamics of Block-copolymer Melts using Laser Raman Scattering", Society of Rheology, Boston, MA, October 1993.
105. J. Lai and G.G. Fuller, "Structure and Dynamics of Polymer-Polymer Solutions under Shear Flow", Society of Rheology, Boston, MA, October 1993.
106. M. Friedenberg, G.G. Fuller, C.W. Frank and C.R. Robertson, "Rheo Optical Studies of Orientational Dynamics in a Polymer Liquid Crystal Monolayer", Gordon Research Conference for Organic Thin Films, Ventura, CA, February 1994.
107. M. Friedenberg, G.G. Fuller, C.W. Frank and C.R. Robertson, "Optical Studies of Monolayer Rheology", 1994 ACS Meeting, Stanford, CA, June 1994.
108. T. Takahashi, J. Vermant, G. G. Fuller, J. Mewis, Simultaneous Mechanical and Optical Measurements of a Polymer Liquid Crystal in Transient Shear, Pacific Conference on Rheology and Polymer Processing, Kyoto, Japan, September 26-30, 1994.
109. J. Lai and G.G. Fuller, "A Rheo-Optical Study of the Shear Effects on Polymer Blend Solutions", The Society of Rheology 66th Annual Meeting, Philadelphia, PA, October 1994.
110. D.E. Werner, G.G. Fuller and C.W. Frank, "Aparent Phase Transitions in Polymer Blends Induced by Oscillatory Shear Flow", The Society of Rheology 66th Annual Meeting, Philadelphia, PA, October 1994.
111. K. Huang and G.G. Fuller, "Two-Dimensional Raman Scattering: a new Technique for Investigating the Dynamics of Multicomponent Polymer Systems", The Society of Rheology 66th Annual Meeting, Philadelphia, PA, October 1994.
112. M. Friedenberg, G.G. Fuller, C.W. Frank and C.R. Robertson, "Rheo Optical Studies of Orientation Dynamics in Two-Dimensions: Monolayers at the Air-Water Interface", The Society of Rheology 66th Annual Meeting, Philadelphia, PA, October 1994.
113. L. Archer and G.G. Fuller, "Optical and Mechanical Properties of a Star

- Diblock Copolymer in Oscillatory Shear Flows", 1994 AIChE Meeting, San Francisco, CA, November 13-18, 1994.
114. J. Lai and G.G. Fuller, "Structural Dynamics of a Polymer Blend Solution under Oscillatory Flow", 1994 AIChE Meeting, San Francisco, CA, November 13-18, 1994.
115. M. Friedenberg, G.G. Fuller, C.W. Frank and C.R. Robertson, "Optical Studies of Flow-Orientation and Relaxation in Monolayer Films", 1994 AIChE Meeting, San Francisco, CA, November 13-18, 1994.
116. E.L. Meyer, G.G. Fuller and R.H. Reamey, "Liquid Crystal Droplet Emulsions: Observation of Biconcave Disc Shape", 1994 AIChE Meeting, San Francisco, CA, November 13-18, 1994.
117. K. Huang and G.G. Fuller, "Investigation of Polymer Blend Rheology using Two-Dimensional Raman Scattering", 1994 AIChE Meeting, San Francisco, CA, November 13-18, 1994.
118. M. C. Friedenberg, T. Maruyama, G. G. Fuller, C. W. Frank, C. R. Robertson, "Flow-Induced Orientation and Relaxation in Polymer Monolayers", APS 1995 March Meeting, San Jose, CA, March 20-23, 1995.
119. J. Lai, G. G. Fuller, "Coupling of Viscoelasticity and Structure in Polymer Blend Solutions under Oscillatory Shear Flow", APS 1995 March Meeting, San Jose, CA, March 20-23, 1995.
120. U. Seidel, R. Stadler, G. G. Fuller, "Relaxation Dynamics of Bidisperse Temporary Networks", APS 1995 March Meeting, San Jose, CA, March 20-23, 1995.
121. K. Huang, E. D. Carlson, G. G. Fuller, "Microstructural Dynamics of a Homopolymer Melts Approaching the Mechanical Glass Transition", APS 1995 March Meeting, San Jose, CA, March 20-23, 1995.
122. P.L. Maffetone, M. Grosso, S. Crescitelli, M.C. Friedenberg, G.G. Fuller, C.W. Frank and C.R. Robertson, "Orientation Dynamics of a Polymer Liquid Crystal Monolayer", presented by P.L. Maffetone at the 12th Annual Meeting of the Polymer Processing Society, Sorrento, Italy, May 27-31, 1996.
123. M.C. Friedenberg, P.L. Maffetone, G.G. Fuller, C.W. Frank and C.R. Robertson, "Interfacial Dynamics of Polymer Monolayers", presented at the IUPAC Macro Seoul '96 Conference, Seoul, Korea, August 4-9, 1996.
124. T. Maruyama, J. Lauger, P.L. Maffetone, G.G. Fuller, C.W. Frank and C.R. Robertson, "Interfacial Rheology of Monolayers" presented at the XIIth International Congress on Rheology, Quebec, Canada, August 18-23, 1996.
125. E. Wheeler, P. Izu, G. Fuller, "Rheo-optical Investigation of the Dynamics of Wormlike Micelles", XIIth International Congress on Rheology, Quebec City, Quebec, Canada, August 18- 23, 1996.
126. T. Maruyama, G. Fuller, C. Frank, C. Robertson, "Interfacial Rheology of Monolayers", XIIth International Congress on Rheology, Quebec City, Quebec, Canada, August 18-23, 1996.
127. T. Maruyama, G. Fuller, C. Frank, C. Robertson, "Fluid Dynamics of Langmuir Monolayers", First International Workshop on "Thin Organic Films: properties and applications", Gallipoli, Italy, September 23-26, 1996.
128. E. K. Wheeler, P. Izu, G. G. Fuller, "A Rheo-optical Investigation of Wormlike

- Micelles", The Society of Rheology 67th Annual Meeting, Sacramento, CA, October 8-12, 1995.
129. T. Maruyama, G. Fuller, C. Frank, C. Robertson, "Dynamics of Liquid Crystalline Monolayers", The Society of Rheology 67th Annual Meeting, Sacramento, CA, October 8-12, 1995.
130. G. Fuller, T. Maruyama, C. Frank, C. Robertson, "Fluid Dynamics of Langmuir Films", The American Physical Society, Division of High Polymer Physics Meeting, St. Louis, MO, March 18-21, 1996.
131. G.G. Fuller, M. Friedenberg, P. Maffettone, M. Grosso, "Dynamics of Two Dimensional Polymer Liquid Crystals", 1996 AIChE Meeting, Chicago, IL, November 10-15, 1996.
132. T. Maruyama, J. Lauger, G. Fuller, C. Frank, C. Robertson, "Interfacial Dynamics of Monolayers", 1996 AIChE Meeting, Chicago, IL, November 10-15, 1996.
133. G.G. Fuller, C.R. Robertson, C.W. Frank, J. Laeuger, T. Maruyama, "Fluid Dynamics of Langmuir Monolayers", 1996 Materials Research Society Fall Meeting, Boston, MA, December 2-6, 1996.
134. Eric D. Carlson, Toshitsugu Terakawa, Gerald G. Fuller, Mark T. Krejchi, Chirag Shah and Robert M. Waymouth, "Rheological Investigation of Stereoblock Polypropylene", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
135. Toshitsugu Terakawa and Gerald G. Fuller, "Shear-Induced Structure of Rubber Toughened Styrenic Polymer using Sals", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
136. Elizabeth K. Wheeler, Peter Fischer and Gerald G. Fuller, "Time-Periodic Flow Induced Structures in Visco-Elastic Surfactant Solutions", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
137. Carlton F. Brooks, Channing R. Robertson, Curtis W. Frank and Gerald G. Fuller, "Magnetic Rod Surface Stress Rheometer", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
138. T. Maruyama, J. Lauger, G. G. Fuller, C. W. Frank and C. R. Robertson, "Flow-Induced Orientation of a Fatty Acid Monolayer", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
139. T. Maruyama, G. G. Fuller and P.-L. Maffettone, "Extensional Flow of a Two-Dimensional Nematic", The Society of Rheology 68th Annual Meeting, Galveston, TX, February 17-20, 1997.
140. G. Fuller, Dynamics of Complex Monolayers, ACS Spring Meeting, San Francisco, CA, April 13 - 18, 1997.
141. G. Fuller, Optical Rheometry of Dense Suspensions, International Fine Particle Research Institute, Osaka, Japan, June 8 - 13, 1997.
142. G. Fuller, Interfacial Rheometry of Complex Interfaces, International Union of Theoretical and Applied Mechanics, The University of Sydney, Sydney, Australia, July 20 - 25, 1997.
143. T. Maruyama, P. Fishcer, G. Fuller, Dynamics of Polymer Monolayers, Second Pacific Rim Conference on Rheology, Melbourne, Australia, July 27 - 31, 1997.
144. C. Brooks, G. Fuller, C. Frank, C. Robertson, Interfacial Stress Rheometer, 8th

International Conference on Organized Molecular Films, Asilomar, CA, August 24 - 29, 1997.

145. E.K. Wheeler, P. Fischer, G. Fuller, Rheo-optical investigations of viscoelastic micellar solutions, 69th Annual Meeting of the Society of Rheology, Columbus, OH October 19-23, 1997.

146. P. Fischer, A. Ritcey, G. Fuller, Flow Properties of "Hairy Rod" Monolayers formed by Cellulose Derivatives with and without attached Chromophores, 69th Annual Meeting of the Society of Rheology, Columbus, OH October 19-23, 1997.

147. C. Brooks, J. Hur, G. Fuller, C. Frank, C. Robertson, Mechanical Rheometry Study of a Polymer Liquid Crystal Monolayer, 69th Annual Meeting of the Society of Rheology, Columbus, OH October 19-23, 1997.

148. E. Carlson, G. Fuller, R. Waymouth, Rheo-optical Study of Elastomeric Polypropylene, 69th Annual Meeting of the Society of Rheology, Columbus, OH October 19-23, 1997.

149. K. Yim, G. Fuller, Flow-Induced Orientation in a Two Dimensional Polymer Solution, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

150. C. Brooks, J. Hur, G. Fuller, C. Frank, C. Robertson, Surface Rheological Study of a Polymer Liquid Crystal Monolayer, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

151. G. Fuller, The Dynamics of Complex Fluid Interfaces, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

152. M. Lipp, C. Brooks, G. Fuller, J. Zasadzinski, Direct Measurement of the Effect of SP-B Protein on the Shear Viscosity of Model Lung Surfactant Monolayers, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

153. E. Wheeler, P. Fischer, G. Fuller, E. Shaqfeh, Flow-Induced Structures and Instabilities in Viscoelastic Micellar Solutions, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

A. Mosler, E. Shaqfeh, G. Fuller, An Experimental Investigation of Drop Breakup in the Flow through a Fixed Bed of Fibers, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

154. E. Carlson, G. Fuller, R. Waymouth, Stereoblock Polypropylene Rheology, AIChE 1997 Annual Meeting, Los Angeles, November 16-21, 1997.

155. D. J. Olson, G. G. Fuller, Contraction/Expansion Flows of Non-Newtonian Monolayers, Society of Rheology Annual Meeting, Monterey, CA, Oct. 4-8, 1998.

156. K.-S. Yim, G. G. Fuller, C. W. Frank, C. R. Robertson, Isotropic-Nematic Transition in a Two-Dimensional Polymer Solution, Society of Rheology Annual Meeting, Monterey, CA, Oct. 4-8, 1998.

157. C. F. Brooks, J. Thiele, G. G. Fuller, C. W. Frank, W. Knoll, D. O'Brien, Surface Rheological Study of a Polymerizable Phospholipid Monolayer, Society of Rheology Annual Meeting, Monterey, CA, Oct. 4-8, 1998.

158. Structure and dynamics of polymer-tethered phospholipid membranes, Frank CW, Naumann C, Shen W, Brooks C, Fuller GG, Knoll W, ACS Meeting, New Orleans, LA, March 21, 1999.

159. G. Fuller, Dynamics of Complex, Nematic Interfaces, Eurorheo 99-1, Sophia-

Antipolis, France, May 3-7, 1999.

160. Measurement of Particle Shape Distributions (Invited Poster), International Fine Particle Research Institute, Sommerset, NJ, June 9, 1999.

161. Flow-induced orientation of a flexible-chain polymer monolayer, David J. Olson, Gerald G. Fuller, Joke Hagting, and Arend Jan Schouten, 71st Annual Meeting of the Society of Rheology, Madison, WI, Oct. 17-21, 1999.

162. Study of rheological transition by photo-induced isomerization on Langmuir monolayers of azobenzene derivative, Kang Sub Yim, Gerald G. Fuller, and Curtis W. Frank, 71st Annual Meeting of the Society of Rheology, Madison, WI, Oct. 17-21, 1999.

163. PO35 First observation of the isotropic-nematic phase transition temperature of liquid crystalline polymers on two-dimensional Langmuir monolayers, Kang Sub Yim, Gerald G. Fuller, and Claus D. Eisenbach, 71st Annual Meeting of the Society of Rheology, Madison, WI, Oct. 17-21, 1999.

164. SF2 Birefringence and stress in uniaxial extension of polymer solutions, Tam Sridhar, D. A. Nguyen, and Gerald G. Fuller, 71st Annual Meeting of the Society of Rheology, Madison, WI, Oct. 17-21, 1999.

165. Surface rheology of a dendritic monolayer, J. Patrick Kampf, Carlton F. Brooks, Curtis W. Frank, Gerald G. Fuller, Craig Hawker, and Eva E. Malmström, 71st Annual Meeting of the Society of Rheology, Madison, WI, Oct. 17-21, 1999.

166. Contraction Flows of NonNewtonian Interfaces, G. G. Fuller and D. J. Olson, AIChE 1999 Annual Meeting, Dallas, TX, Oct. 31 - Nov. 5, 1999.

167. Order/Disorder Transitions in Polymer Interfaces, G. G. Fuller, K. S. Yim, AIChE 1999 Annual Meeting, Dallas, TX, Oct. 31 - Nov. 5, 1999.

168. Measurement of Interfacial Stress and Order in Flowing, Complex Interfaces, C. F. Brooks, G. G. Fuller, K. S. Yim, AIChE 1999 Annual Meeting, Dallas, TX, Oct. 31 - Nov. 5, 1999.

169. Non-newtonian Flows in 2D, D. Olson and G. Fuller, ACS Spring Meeting, San Francisco, Mar. 26-30, 2000.

170. Nematic Transitions in Polymer Monolayers, K. Yim, ACS Spring Meeting, San Francisco, Mar. 26-30, 2000.

171. Synthesis of well-defined long chain-branched polyolefins, Wiyatno W, Fox PA, Waymouth RM, Fuller GG, Hawker CJ, ACS Spring Meeting, San Francisco, Mar. 26-30, 2000.

172. Surface rheological transitions in Langmuir films of bicompetitive fatty acids, K. S. Yim, G. G. Fuller, ACS National Meeting, San Francisco, May 2000.

173. Dynamics of DNA adsorbed to fluid interfaces, D.J. Olson, J. M. Johnson, G. G. Fuller, S. G. Boxer, ACS National Meeting, San Francisco, May 2000.

174. Recent developments in patterning, manipulating, and interrogating supported bilayer membranes, Boxer SG, Kung L, Hovis J, Ajo C, Johnson J, Olson D, Fuller GG, ACS National Meeting, Washington, DC, Aug. 2000

175. Dynamics of Magnetic Fluids Subject to Rotating Magnetic Fields, S. Melle, G. Fuller, M. Rubio, XIIIth International Congress of Rheology, Cambridge, U. K., August 20-25, 2000

176. 2D Electrophoresis of DNA, D. Olson, G. Fuller, J. Johnson, S. Boxer, XIIIth International Congress of Rheology, Cambridge, U. K., August 20-25, 2000

177. Rheology of Complex Interfaces, G. Fuller, XIIIth International Congress of Rheology, Cambridge, U. K., August 20-25, 2000
178. Aggregation and Orientation of Magnetic Particles in Rotating Fields, S. Melle, G. Fuller, and M. Rubio, AIChE Annual Meeting, November 12-17, Los Angeles, CA.
179. Surface Gelation of Gelatin Solutions, K. Lim and G. Fuller, AIChE Annual Meeting, November 12-17, Los Angeles, CA.
180. 2D Electrophoresis of DNA, D. Olson, G. Fuller, J. Johnson, S. Boxer, AIChE Annual Meeting, November 12-17, Los Angeles, CA.
181. 2D electrophoresis and flow of DNA chains, Gerald G. Fuller, David J. Olson, and Ed Stancik, Society of Rheology, Hilton Head, SC, Feb 11 - 15, 2001.
182. Fluorescence microscopy experiments and Brownian dynamics simulations of flow behavior of DNA molecules confined to two dimensions, David J. Olson, Prateek D. Patel, Eric S. G. Shaqfeh, Steven G. Boxer, and Gerald G. Fuller, Society of Rheology, Hilton Head, SC, Feb 11 - 15, 2001.
183. Rheo-Optics and X-ray Scattering Study of Elastomeric Polypropylene, W. Wiyatno, J. Pople, A. P. Gast, R. M. Waymouth, and G. G. Fuller, ACS National Conference, Chicago, Aug 28, 2001
184. Mobility of DNA on cationic supported lipid bilayers, Marton A, Stancik EJ, Olson DJ, Johnson JM, Boxer SG, Fuller GG, ACS National Conference, Chicago, Aug 28, 2001.
185. Study of uniaxial extensional flow and morphology of elastomeric polypropylenes, Gerald G. Fuller, Willy Wiyatno, Holger Schonherr, John Pople, Robert M. Waymouth, Curtiss Frank, and Alice Gast, 73rd Annual Meeting of the Society of Rheology, October 21 - 25, 2001, Bethesda, MD.
186. Two-dimensional suspensions: Dynamics and rheology, Gerald G. Fuller, Alex Laschitsch, Martin Widenbrant, Ed Stancik, and Jan Vermant, 73rd Annual Meeting of the Society of Rheology, October 21 - 25, 2001, Bethesda, MD.
187. Flow-induced structures and rheology of concentrated latex suspensions, J. Vermant, H. Hoekstra, J. Mewis, E. Stancik, A. Laschitsch, G.G. Fuller, Jülich Soft Matter Days 2001, 13 - 16 November , 2001 Congrescentrum Rolduc, Kerkrade, NL
188. Fibrous clay gels: extensional flow properties. Dichroism and SALS measurements, Frédéric Pignon, Albert Magnin, Jean-Michel Piau, Gerald G. Fuller, 2nd International Conference on Self-Assembled Fibrillar Networks, Autrans, France, November 24 - 28, 2001.
189. Two-dimensional suspensions : dynamics and rheology, J. Vermant, H. Hoekstra, J. Mewis, G G. Fuller, Annual Meeting of the Dutch Rheological Society, DSM Research, Geleen, The Netherlands, April 17, 2002.
190. Phase behavior of silicone copolymers swollen with water and oil. Hill RM, Fuller GG, Anseth J, 224th ACS National Meeting, August 18-22, 2002, Boston, MA
191. Orientation dynamics and crystallization of elastomeric polypropylenes. Fuller GG, Wiyatno W, Pople J, Gast AP, Waymouth R, ACS National Meeting, April, 2002, Orlando, FL.
192. Interfacial rheology of graft-type siloxane surfactants, Jay W. Anseth, Randal

- M. Hill, and Gerald G. Fuller, Society of Rheology Annual Meeting, Minneapolis, MN, Oct. 2002.
193. Complex fluid interfaces, Gerald G. Fuller, Society of Rheology Annual Meeting, Minneapolis, MN, Oct. 2002.
194. The structure and dynamics of particle monolayers at a liquid-liquid interface subjected to flow, Edward J. Stancik, Martin J. O. Widenbrant, Grant T. Gavranovic, Alex T. Laschitsch, Jan Vermant, and Gerald G. Fuller, Society of Rheology Annual Meeting, Minneapolis, MN, Oct. 2002.
195. Flow Induced Structure and Dynamics of Particle Monolayers Trapped at a Liquid-Liquid Interface, E. Stancik, M. Widenbrant, G. Gavranovic, A. Laschitsch, J. Vermant, G. Fuller, AIChE Annual Meeting, Indianapolis, IN, Nov. 2002.
196. Connect the Drops, E. Stancik, G. Fuller, AIChE Annual Meeting, San Francisco, Nov., 2003.
197. Rheology of Complex Siloxane Interfaces, J. Anseth, R. Hill, G. Fuller, AIChE Annual Meeting, Indianapolis, IN, Nov. 2002.
198. Interfacial Rheology of Lung Surfactants, J. Anseth, P. Kao, D. Upadhyay, G. Fuller, AIChE Annual Meeting, San Francisco, Nov., 2003.
199. Shear and Dilational Rheology of Protein Monolayers, E. Freer, K.S. Yim, G. Fuller, C. Radke, AIChE Annual Meeting, San Francisco, Nov., 2003.
200. Particle Laden Interfaces, E. Stancik, G. Fuller, AIChE Annual Meeting, San Francisco, Nov., 2003.
201. Surface gels of polyelectrolytes and surfactants, C. Monteux, O. Anthony, G. Fuller, C. Williams, V. Bergeron, MACRO 2004, 40th IUPAC World Polymer Congress, Paris, France, July 4-9, 2004.
202. Complex Fluid Interfaces, G. Fuller, International Congress on Rheology, Seoul, Korea, August 23 – 26, 2004.
203. Interfacial Rheology of Polymer Monolayers, G. Gavranovic, G. Fuller, International Congress on Rheology, Seoul, Korea, August 23 – 26, 2004.
204. Tracking Vesicles Bound to Phospholipid Monolayers, M. Widenbrant, G. Fuller, International Congress on Rheology, Seoul, Korea, August 23 – 26, 2004.
205. Particle Stabilized Emulsions, G. G. Fuller, E. Stancik, AIChE Annual Meeting, Austin TX, Nov. 7-12, 2004.
206. Two-Dimensional Gelation of Lung Surfactant Monolayers, J. Anseth, G. G. Fuller, P. Kao, D. Upadhyay, AIChE Annual Meeting, Austin TX, Nov. 7-12, 2004.
207. Surface Diffusion of Lipid Vesicles Attached to Membranes, M. Widenbrant, G. Fuller, AIChE Annual Meeting, Austin TX, Nov. 7-12, 2004.
208. Two-Dimensional Polymer Melts, G. Gavranovic, J. Deutsch, G. Fuller, AIChE Annual Meeting, Austin TX, Nov. 7-12, 2004.
208. A. Goffin, J. Anseth, G. Fuller, D. Upadhyay, P. Kao, Viscoelasticity of lung surfactant responding to environmental stress, Soc. Rheology Annual Meeting, Lubbock, TX, Feb. 13-17, 2005.
209. M. Widenbrant, G. Fuller, Using single lipid tracking to investigate Langmuir monolayer properties, Soc. Rheology Annual Meeting, Lubbock, TX, Feb. 13-17, 2005.
210. G. Gavranovic, J. Deutsch, G. Fuller, Polymer films at the air/water interface:

- Rheology and simulation, Soc. Rheology Annual Meeting, Lubbock, TX, Feb. 13-17, 2005.
211. S. Melle, M. Lask, G. Fuller, Magnetic emulsions with tunable stability, Soc. Rheology Annual Meeting, Lubbock, TX, Feb. 13-17, 2005.
208. A. Goffin, J. Anseth, G. Fuller, D. Upadhyay, P. Kao, Gelation of lung surfactant responding to environmental stress, European Soc. Rheology, Grenoble, France, April 18-21, 2005.
209. M. Widenbrant, G. Fuller, Single lipid tracking of Langmuir monolayer properties, European Soc. Rheology, Grenoble, France, April 18-21, 2005.
210. G. Gavranovic, J. Deutsch, G. Fuller, Polymer melts at the air/water interface: Rheology and simulation, European Soc. Rheology, Grenoble, France, April 18-21, 2005.
211. G. Fuller, Solid-stabilized emulsions, European Soc. Rheology, Grenoble, France, April 18-21, 2005.
212. . Solid Stabilized Emulsions, Xu, H., Kirkwood, J., Fuller, G., Annual Meeting of the AIChE, Cincinnati, OH, October 30 – September 3, 2005.
213. Xu, H., Kirkwood, J., Fuller, G. Rheology of Particle-Laden Interfaces, Annual Meeting of the Society of Rheology, Vancouver, Canada, October 16-20, 2005.
214. Basavaraj, M. G., Fuller, G. G., Vermant, J., Packing, Flipping, and Buckling Transitions in Compressed Monolayers of Ellipsoidal Latex Particles, Annual Meeting of the Society of Rheology, Vancouver, Canada, October 16-20, 2005.
215. Golemanov, K., Kurtz, R., Fuller, G., Interfacial Rheology of Mixed Fatty Alcohol Monolayers, Annual Meeting of the Society of Rheology, Vancouver, Canada, October 16-20, 2005.
216. Xu, Hui, Kirkwood, J., Fuller, G., Buckling of Particle-Laden Fluid Interfaces, Materials Research Society, San Francisco, CA, April 17-20, 2006.
217. Xu, H. Kirkwood, J., Fuller, G., Two Dimensional Polymer Melts and Glasses, Annual European Rheology Conference, Hersonisos, Crete, Greece, April 27-29, 2006.
218. Gavranovic, G., Fuller, G., Polymers in Two Dimensions: Spanning Solutions, Melts, and Glasses, International Workshop on Mesoscale and Multiscale Description of Complex Fluids, Prato, Italy, July 5-8, 2006.
219. Wong, A., Miller, R., Fuller, G., Orientational Dynamics of Polydiacetylene Monolayers, Annual Meeting of the Society of Rheology, Portland, ME, October 8-12, 2006.
220. Gravranovic, G., Fuller, G., Effects of Temperature and Chemical Modification on Polymer Langmuir Films, Annual Meeting of the Society of Rheology, Portland, ME, October 8-12, 2006.
221. J. Kirkwood, G. Fuller, Amyloid-protein interactions with phospholipid membranes, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.
222. H. Xu, J. Kirkwood, G. Fuller, Buckling Transitions in Solid Stabilizing Emulsions, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.
223. M. Widenbrandt, G. Fuller, Lipid-Induced beta-Amyloid Peptide Assemblage and Fragmentation, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.
224. A. Goffin, G. Fuller, Interfacial Flow Processing of Collagan Monolayers, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.
225. R. Kurtz, G. Fuller, Structure and Dynamics of mixures of straight and branched chain fatty acids, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.

226. A. Wong, G. Fuller, Interfacial Flow Processing of Organic Semiconductors, AIChE Annual Meeting, San Francisco, CA, Nov. 12-16, 2006.
227. J. Kirkwood, J. Rajadas, G. Fuller, Coupling of cell orientation to alignment of collagen substrates, Annual Meeting of the Society of Rheology, Salt Lake City, UT, Oct. 7-11, 2007.
228. R. Kurtz, M. Toney, A. Lange, G. Fuller, Interfacial Dynamics of Straight-Chain and Branched Hexadecanol and Eicosanol Mixtures, AIChE Annual Meeting, SLC, Nov. 4-8, 2007
229. J. Kirkwood, A. Goffin, G. Fuller, Deposition Of Oriented Collagen From A Nematic State: Orienting Fibroblasts, AIChE Annual Meeting, SLC, Nov. 4-8, 2007
230. S. Nishimura, H. Kettelson, G. Fuller, Development Of An Interfacial Rheological Model For Identification Of Stable Tear Films, AIChE Annual Meeting, SLC, Nov. 4-8, 2007
231. D. Leiske, G. Fuller, Use Of An Interfacial Tensiometer To Measure Response Of A Model Tear Film Under Extensional Strain, AIChE Annual Meeting, SLC, Nov. 4-8, 2007.
232. D. Leiske, G. Fuller, Use Of An Interfacial Tensiometer To Measure Response Of A Model Tear Film Under Extensional Strain, Association for Research in Vision and Ophthalmology (ARVO), Ft. Lauderdale, FL, May, 2008.
230. D. Leiske, G. Fuller, Development of an interfacial extensional rheometer with applications in model tear films, International Congress on Rheology, Monterey, CA, August 3-8, 2008.
231. J. Kirkwood, G. Fuller, Flow induced orientation of cholesteric collagen, a useful substrate for controlling cell orientation, International Congress on Rheology, Monterey, CA, August 3-8, 2008.
232. A. Goffin, G. Fuller, Interfacial flow processing of biological molecules, International Congress on Rheology, Monterey, CA, August 3-8, 2008.
233. Kristin Sommer, G. Fuller, Flow-induced morphologies of highly concentrated collagen solutions, International Congress on Rheology, Monterey, CA, August 3-8, 2008.
234. D. Auguste, J. Kirkwood, J. Kohn, G. Fuller, R. Prud'homme, Surface Rheology of Hydrophobically-Modified PEG Polymers Associating with a Phospholipid Monolayer at the Air-Water Interface, AIChE Annual Meeting, Philadelphia, Nov. 15-21, 2008.
235. Y. Shenghan, E. Shaqfeh, G. Fuller, An investigation of the collective behavior of colloidal particles trapped at a fluid-fluid interface, Annual Meeting of the Society of Rheology, Madison, WI, Oct. 18-22, 2009.
236. C. Anderson, E. Lai, G. Fuller, Oriented matrices of collagen for directed cellular growth, Annual Meeting of the Society of Rheology, Madison, WI, Oct. 18-22, 2009.
237. T. Hsu, G. Fuller, Fluid mechanics of rinsing flows, Annual Meeting of the Society of Rheology, Madison, WI, Oct. 18-22, 2009.
238. C. Wu, G. Fuller, Oriented monolayers of single-walled carbon nanotubes using interfacial flow processing, Annual Meeting of the Society of Rheology, Madison, WI, Oct. 18-22, 2009.
239. C. Anderson, E. Lai, G. Fuller, Oriented matrices of collagen for directed cellular growth, Annual Meeting of the AIChE, Nashville, TN, Nov. 10, 2009.
240. T. Hsu, G. Fuller, Fluid mechanics of rinsing flows, Annual Meeting of the AIChE,

Nashville, TN, Nov. 11, 2009.

241. D. Leiske, G. Fuller, Interfacial Rheology of the Tear Film, 6th Annual European Rheology Conference, April 7-9, 2010, Göteborg – Sweden
242. T. Hsu, C. Frank, G. Fuller, Particle Removal: Turning Liquids into Soft Adhesives, 6th Annual European Rheology Conference, April 7-9, 2010, Göteborg – Sweden
243. Interfacial Rheology of the Meibomian Lipid Layer, 6th International Conference on the Tear Film and Ocular Surface, Florence, Italy, September 23-25, 2010.
244. Dynamic Contact Angle of Drops Supporting Monolayers of Meibomian Lipids, 6th International Conference on the Tear Film and Ocular Surface, Florence, Italy, September 23-25, 2010.
245. A Stress Rheometer for Living Mammalian Cells, C. Anderson, G. Fuller, Soc. Rheology Annual Mtg., Santa Fe, NM, Oct. 24-28, 2010.
246. Interfacial Rheology and Stability of the Tear Film, D. Leiske, G. Fuller, Soc. Rheology Annual Mtg., Santa Fe, NM, Oct. 24-28, 2010.
247. Rinsing Flows of Complex Liquids, T. Hsu, T. Walker, C. Frank, G. Fuller, Soc. Rheology Annual Mtg., Santa Fe, NM, Oct. 24-28, 2010.
248. Removal of Particles From Surfaces Using Non-Newtonian Fluids, T. Hsu, T. Walker, C. Frank, G. Fuller, A.I.Ch.E. Ann. Mtg., Salt Lake City, Nov. 2010.
249. Viscoelastic and Structural Changes of Human Meibomian Lipids with Temperature, D. Leiske, G. Fuller, A.I.Ch.E. Ann. Mtg., Salt Lake City, Nov. 2010.
250. Thin Film Formation of Silica Nanoparticle/Lipid Composite Films at the Fluid–Fluid Interface, M. Maas, G. Fuller, A.I.Ch.E. Ann. Mtg., Salt Lake City, Nov. 2010.
251. Rinsing Flows of Non-Newtonian Fluids, T. Walker, T. Hsu, G. Fuller, APS Div. Fluid Dynamics, Long Beach, Nov. 2010.
252. Interfacial Rheology of Monoclonal Antibody Solutions, M. Maas, G. Fuller, ACS Meeting, March 27-31, 2011 in Anaheim, California.
253. Porous media model and collective behaviour of colloidal particles trapped at a fluidic interface, S. Yan, G. Fuller, E. Shaqfeh, Society of Rheology Meeting, Cleveland, OH, October 10-13, 2011.
254. Bulk and interfacial rheology of the tear film, L. Rosenfeld, D. Leiske, G. Fuller, Society of Rheology Meeting, Cleveland, OH, October 10-13, 2011.
255. Interfacial shear rheological behaviors of natural silk fibroin, X. Qiao, G. Fuller, Society of Rheology Meeting, Cleveland, OH, October 10-13, 2011.
256. Matrix-induced alignment and shear flow: effects on endothelial cells, E. Lai, M. Bynum, A. Dunn, G. Fuller, Society of Rheology Meeting, Cleveland, OH, October 10-13, 2011.
257. Rinsing flows using non-Newtonian fluids, T. Walker, T. Hsu, G. Fuller, Society of Rheology Meeting, Cleveland, OH, October 10-13, 2011.
258. Matrix-Induced Alignment and Shear Flow: Effects On Endothelial Cells, E. Lai, M. Bynum, A. Dunn, G. Fuller, AIChE Meeting, Minneapolis, MN, October 16-20, 2011.
259. Bulk and interfacial rheology of the tear film, L. Rosenfeld, D. Leiske, G. Fuller, AIChE Meeting, Minneapolis, MN, October 16-20, 2011.
260. Stability of thin liquid films: Influence of interfacial viscoelasticity, APS March Meeting, Boston, MA, Feb. 27-Mar. 2, 2012.
261. Assembly of submicron colloidosomes with silica nanoparticles featuring a selective

- permeability, ACS Meeting, San Diego, CA, Mar. 25-29, 2012.
262. Consequences of interfacial rheology on tear film stability, International Congress on Rheology, Lisbon, Portugal, August 5-9, 2012.
263. Measuring the viscoelasticity of living cells, International Congress on Rheology, Lisbon, Portugal, August 5-9, 2012.
264. Desiccation of confined films in the presence of insoluble monolayers, International Congress on Rheology, Lisbon, Portugal, August 5-9, 2012.
265. Dynamics of Biological Interfaces, Jülich Soft Matter Days 2012, Seminaris Hotel, Bad Honnef, Germany, Nov.13-16, 2012.
266. Consequences of interfacial rheology on tear film stability, AIChE Annual Meeting, Pittsburg, PA, Nov. 28-Dec. 1, 2012.
267. Multiphase Flow of Miscible Liquids: Jets and Drops, AIChE Annual Meeting, Pittsburg, PA, Nov. 28-Dec. 1, 2012.
268. Rinsing Flows: Exploiting Viscoelastic Liquids, AIChE Annual Meeting, Pittsburg, PA, Nov. 28-Dec. 1, 2012.
269. Response of Endothelial Cells to Stagnation Point Flows, AIChE Annual Meeting, Pittsburg, PA, Nov. 28-Dec. 1, 2012.
270. Interfacial rheology of polymer multi-layers at the oil-water interface for encapsulation, Annual European Rheology Conference, Leuven, Belgium, April 3-5, 2013.
271. Effect of protein adsorption on corneal cell adhesion to contact lenses, Annual European Rheology Conference, Leuven, Belgium, April 3-5, 2013.
272. Comprehensive analysis of surfactant-biofilm interactions. Annual European Rheology Conference, Leuven, Belgium, April 3-5, 2013.
273. Quantifying structural protein contributions to cell mechanics with a live cell monolayer rheometer, Annual Meeting of the Society of Rheology, Montreal, Canada, October 14-18, 2013.
274. Upstream migration of endothelial cells in response to impinging fluid flows, Annual Meeting of the Society of Rheology, Montreal, Canada, October 14-18, 2013.
275. Effect of interfacial rheology on film drainage from contact lenses, Annual Meeting of the Society of Rheology, Montreal, Canada, October 14-18, 2013.
276. Stability of Thin Liquid Films: Influence of Interfacial Viscoelasticity, Annual AIChE Meeting, San Francisco, November 3-8, 2013.
277. Exploring Multiphase Viscous Drop Impact With a Bulk Fluid, Annual AIChE Meeting, San Francisco, November 3-8, 2013.
278. Quantifying the Contribution of Structural Proteins to Cell Mechanics With a Live Cell Monolayer Rheometer, Annual AIChE Meeting, San Francisco, November 3-8, 2013.
279. Nature's Rheologists: Stress response by endothelial cells, Annual European Rheology Conference, Karlsruhe, Germany, April 8-11, 2014.
280. The Influence of Interfacial Rheology on the Drainage and Dewetting of Thin Liquid Films, Annual European Rheology Conference, Karlsruhe, Germany, April 8-11, 2014.
281. Stability and dewetting of the tear film, US National Congress on Theoretical and Applied Mechanics, Michigan State University, June 15-20, 2014.
282. Stability and particle formation in monoclonal antibody solutions, Engineering

Conferences International on Biological & Pharmaceutical Complex Fluids II, Raleigh, NC, September 08-10, 2014

283. Interfacial rheological properties of vibrio cholerae biofilms, Society of Rheology Annual Meeting, Philadelphia, PA, October 5-9, 2014.

284. Using a live cell monolayer rheometer to probe the mechanics of the cytoskeleton, Society of Rheology Annual Meeting, Philadelphia, PA, October 5-9, 2014.

285. In Vitro Live-Cell Imaging to Determine How Spatial Gradients in Shear Stress Affect Migratory Response of Endothelial Cells, Society of Rheology Annual Meeting, Philadelphia, PA, October 5-9, 2014.

286. Influence of interfacial rheology on the dynamics of the tear film, Society of Rheology Annual Meeting, Philadelphia, PA, October 5-9, 2014.

287. Stability of monoclonal antibody solutions subject to expansion/compression cycles at the air/water interface, Society of Rheology Annual Meeting, Philadelphia, PA, October 5-9, 2014.

288. "Interfacial Rheological Properties of Vibrio Cholerae Biofilms, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014.

289. Influence of Interfacial Rheology on Stabilization of the Tear Film, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014.

290. Lymphatic Endothelial Cells Undergo Directional Migration in Response to Spatial Gradients in Wall Shear Stress, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014.

291. Spreading of Miscible Sessile Drops, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014.

292. Stability of Monoclonal Antibody Solutions Subject to 293. Expansion/Compression Cycles at the Air/Water Interface, AIChE Annual Meeting, Atlanta, GA, Nov. 16-21, 2014.

293. Nanoscale Extracellular Matrix Alters Endothelial Function Under Disturbed Flow, Karina Nakayama, Vinay Narayanan, Monica Gole, Travis Walker, Weiguang Yang, Edwina Lai, Maggie Ostrowski, Gerald Fuller, Alexander Dunn, Ngan Huang, BMES 2015 Annual Meeting, October 7-10, 2015 in Tampa, Florida

294. The kinetics of cyclopentane hydrate formation, Bruna Costa Leopércio, Paulo R. de Souza Mendes, Gerald G. Fuller, VII Brazilian Conference on Rheology, 2015.

295. Nature's rheologists: Lymphatic endothelial cells control migration in response to shear stress, APS March Meeting, San Antonio, 2015.

296. Interfacial rheological properties of vibrio cholerae biofilms, Annual European Rheology Conference, Nantes, France, April 15-18, 2015.

297. Hydrate formation kinetics using interfacial rheology, Annual European Rheology Conference, Nantes, France, April 15-18, 2015.

298. Multilayer assembly of polymers on liquid interfaces for encapsulation, Annual European Rheology Conference, Nantes, France, April 15-18, 2015.

299. Lymphatic endothelial cells: Nature's rheologists, Symposium in Honor of Roger Tanner, Samos, Greece, June 30, 2015.

300. Influence of interfacial rheology on the volume of liquid entrained in a foam film, Annual Meeting of the Society of Rheology, Baltimore, MD, October 12-15, 2015.

301. Dilatation air bubbles in solution: a rheological study of their effects on therapeutic antibody stability, Annual Meeting of the Society of Rheology, Baltimore, MD, October 12-15, 2015.

302. Measuring adhesion between uropathogenic *E. coli* and bladder-epithelial cells, Annual Meeting of the Society of Rheology, Baltimore, MD, October 12-15, 2015.
303. Kinetics of cyclopentane hydrate formation analysis through interfacial rheology, Annual Meeting of the Society of Rheology, Baltimore, MD, October 12-15, 2015.
304. Adhesion of uropathogenic *E. Coli* onto mammalian bladder cells, International Congress on Rheology, Kyoto, Japan, August 8-13, 2016.
305. Lysozyme adsorption and interfacial rheology in the presence of hydrogel contact lenses, International Congress on Rheology, Kyoto, Japan, August 8-13, 2016.
306. A Way for Wafer Washing: Study of Rinsing Flow Dynamics on Rotating Silicon Wafers, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
307. Investigating the Effect of Spatially Varying Wall Shear Stress on Lymphatic Endothelial Cell Alignment and Transcriptional Regulation, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
308. Bubble Shape Hysteresis: The Effect of Compressibility, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
309. Elucidating the Role of Interfacial Rheology on Foam Wetness, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
310. Coalescence Inhibition through Asphaltene Adsorption, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
311. Protein Release from Contact Lenses Monitored By Interfacial Viscoelasticity, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
312. Measuring Adhesion Between Uropathogenic *E. coli* and Bladder-Epithelial Cells, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
313. Thin-Film Evolution Between a Sphere and a Plane: Theory and Experiment, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
314. Pendant Drops and Liquid Jets in Miscible Environments, 2016 AIChE Annual Meeting, San Francisco, November 13-18, 2016.
315. Dynamics of dimples on bubbles approaching free interfaces in wormlike micellar solutions. 88th Annual Meeting of the Society of Rheology, Tampa, February, 2017.
316. Effect of Asphaltene Adsorption in the Stability of Oil/Water Emulsions, 88th Annual Meeting of the Society of Rheology, Tampa, February, 2017.
317. Interfacial viscoelasticity of therapeutic protein solutions, Society of Rheology Annual Meeting, Tampa, FL, 13 February, 2017.
318. Mechanical characterization of corneal cells for investigating their conformability with contact lenses. Proceedings of 88th Annual Meeting of the Society of Rheology, Tampa, USA, 12.02.2017–16.02.2017. Press release from American Institute of Physics (AIP).
319. Biomechanics of corneal cells quantified for the development of enhanced contact lenses, Annual European Rheology Conference, Copenhagen, Denmark, April, 2017.
320. Sphingosine 1-Phosphate Receptor 1 is necessary for collective lymphatic endothelial cell migration in response to fluid shear stress, Lymphatic Forum, Chicago, IL, June 9, 2017
321. Mechanistic insights into foaming in lubricant base oils. 91st ACS Colloid & Surface Science Symposium-New York, July 9, 2017.

322. The influence of protein-surfactant interfacial co-adsorption on thin film drainage and bubble coalescence, 91st ACS Colloid & Surface Science Symposium-New York, July 11, 2017.
323. Evaporation-driven solutocapillary flows of thin liquid films, 91st ACS Colloid and Surface Science Symposium, CCNY, July 10, 2017.
324. Live-cell rheometry for charactering medical conditions, IEEE Engineering in Medicine and Biology Society of the IEEE Engineering in Medicine and Biology Society in Jeju Island, Korea during July 11-15, 2017.
325. Mechanical characterization of living tissues: the Live Cell Monolayer Rheometer (LCMR), Society of Rheology Annual Meeting, Denver, CO, October 11, 2017.
326. The shape evolution of pendant droplets in miscible environments, AIChE Annual Meeting, Minneapolis, October 31, 2017.
327. Influence of viscoelasticity on bubble coalescence in wormlike micellar solutions. 70th Annual Meeting of the American Physical Society Division of Fluid Dynamics, Denver, 2017.
328. Investigating calcium dynamics in lymphatic endothelial cells subjected to flow-induced wall shear stress, American Society for Cell Biology Annual Meeting, Philadelphia, PA, December 5, 2017.

Invited Seminars

1. Light Scattering and Flow Birefringence Studies of Flow Induced Macromolecular Deformation and Orientation in Solution, University of Wisconsin, Madison, Wisconsin, April, 1979.
2. Dynamics of Polymer Solutions Subjected to a Wide Range of Kinematic Conditions, Bell Telephone Laboratories, Murray Hill, New Jersey, October, 1980.
3. Dynamics of Polymer Solutions Subjected to a Wide Range of Kinematic Conditions, Raychem Corporation, Menlo Park, California, December, 1980.
4. Dynamics of Polymer Solutions Subjected to a Wide Range of Kinematic Conditions, IBM Research, San Jose, California, January, 1981.
5. The Response of Polymer Films Subjected to Flow Department of Chemical Engineering, University of California, Davis, California, November, 1981.
6. Flow Birefringence in Time Dependent Flows, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Massachusetts, October 29, 1982.
7. Flow Birefringence of Rigid Rod Polymers in Time Dependent Flows, Department of Chemical Engineering, University of Massachusetts, Amherst, Massachusetts, November 1, 1982.
8. Ellipsometric Studies of Polymer Adsorption in Flowing Systems, Eastman Kodak Research Laboratories, Rochester, New York, November 2, 1982.
9. Flow Birefringence in Time Dependent Flows, Department of Chemical Engineering, Princeton University, Princeton, New Jersey, November 3, 1982.
10. Dynamics of Dilute Suspensions Subject to Transient Flows by Conservative Dichroism, Department of Chemical Engineering, University of Delaware, Newark, Delaware, October 20, 1983.
11. Dynamics of Dilute Suspensions Subject to Transient Flows by Conservative

- Dichroism, Department of Chemical Engineering, Cornell University, Ithaca, New York, October 25, 1983.
12. Dynamics of Dilute Suspensions Subject to Transient Flows by Conservative Dichroism, Department of Chemical Engineering, Carnegie-Mellon University, Pittsburgh, Pennsylvania, October 26, 1983.
 13. Flow Enhanced Desorption of Adsorbed Polymer Chains Department of Chemical Engineering, University of California at Los Angeles, California, November 11, 1983.
 14. Dynamics of Dilute Suspensions Subject to Transient Flows by Conservative Dichroism, Department of Chemical Engineering, University of Southern California, Los Angeles, California, November 14, 1983.
 15. Optical Methods in Micro-Rheology, Department of Chemical Engineering, University of Arizona, Tucson, Arizona, March 27, 1984.
 16. Optical Methods in Micro-Rheology, Department of Chemical Engineering, Arizona State University, Tempe, Arizona, March 29, 1984.
 17. Optical Methods in Micro-Rheology, Celanese Research Laboratories, Summit, New Jersey, June 8, 1984.
 18. Optical Methods in Micro-Rheology, Exxon Research and Engineering Company, Clinton, New Jersey, June 14, 1984.
 19. Dynamics of Iron Oxide Suspensions Subjected to Transient Flows Using Conservative Dichroism, IBM Research San Jose, California, August 15, 1984.
 20. Optical Methods in Rheology, Department of Chemical Engineering, University of California, Davis, California, February 11, 1985.
 21. Optical Methods in Rheology, AT&T Bell Laboratories, Murray Hill, New Jersey, March 1, 1985.
 22. Optical Methods in Suspension Rheology, Laboratoire d'Aerothermique, C.N.R.S., Meudon, France, March 25, 1985.
 23. Optical Methods in Suspension Rheology, Polymer and Colloid Laboratory, University of Bristol, Bristol England, March 27, 1985.
 24. Optical Methods in Suspension Rheology, Department of Applied Mathematics, University College of Wales, Aberystwyth, Wales, March 29, 1985.
 25. Optical Rheometry, American Cyanamid Research Laboratories, Stamford, Connecticut, August, 1985.
 26. Optical Methods for Polymeric and Colloidal Liquid Fluid Dynamics, Dow Chemical Research Laboratories, Midland, Michigan, September, 1985.
 27. Optical Rheometry, Owens-Corning Technical Center, Granville, Ohio, November 1985.
 28. Optical Rheometry of Particles Suspended in Non Newtonian Liquids, Department of Chemical Engineering, University of Wisconsin, Madison, Wisconsin, February, 1986.
 29. Flow Induced Particle Orientations by Optical Rheometry, 3M Center, St. Paul, Minnesota, February 1986.
 30. Optical Rheometry of Colloidal and Polymeric Liquids, Eastman Kodak Company, Rochester, New York, May, 1986.
 31. Optical Rheometry of Multicomponent Liquids, Department of Chemical Engineering, CALTECH, Pasadena, California October, 1986.

32. Optical Rheometry of Polymeric and Colloidal Liquids, Department of Chemical Engineering, University of Pennsylvania, Philadelphia, Pennsylvania, February 1987.
33. Orientation of Colloidal Particles in Flowing Polymeric Liquids, Dupont Experimental Station, Wilmington, Delaware, February, 1987.
34. Optical Rheometry, Department of Chemical Engineering University of Delaware, Newark, Delaware, March, 1987.
35. Optical Rheometry, Fluid Mechanics Group, University of Toronto, Toronto, Ontario, April, 1987.
36. Optical Rheometry of Liquid Crystal Domain Structure, Department of Chemical Engineering, University of Leuven, Leuven, Belgium, May, 1987.
37. Optical Rheometry of Liquid Crystal Domain Structure Department of Chemical Engineering, VPI, Blacksburg, Virginia, May, 1987.
38. Orientation of Colloidal Particles in Polymeric Liquids Subjected to Flow, Department of Chemical Engineering, Cornell University, Ithaca, New York, June, 1987.
39. Guest Lecturer in Optical Rheometry, Rheology Short Course, University of Minnesota, Minneapolis, Minnesota, August, 1987.
40. Optical Rheometry of Polymeric Liquids, Dupont Research and Development, Brevart, North Carolina, March, 1988.
41. Rheo-optics of Polymeric and Colloidal Liquids, Department of Chemical Engineering, University of California, Berkeley, CA, September 12, 1988.
42. Rheo-optics of Bidisperse Polymer Melts, Institute for Chemical Research, Kyoto University, Kyoto, Japan, October 3, 1988.
43. Domain Structure of Polymer Liquid Crystals, Department of Polymer Chemistry, Kyoto University, Kyoto, Japan, October 4, 1988.
44. Domain Structure of Polymer Liquid Crystals, Department of Macromolecular Science, Osaka University, Osaka, Japan, October 4, 1988.
45. Extensional Flow Properties of Flexible and Rigid Polymer Chains, Department of Mechanical Engineering, Niigata University, Niigata, Japan, October 7, 1988.
46. Flow Induced Structure in Dense Dispersions of Colloidal Spheres, Department of Physics, Tokyo Metropolitan University, Tokyo, Japan, October 11, 1988.
47. Determination of Liquid Crystalline Domain Size and Anisotropy, Dow Chemical, Research Center, Walnut Creek, CA, December 8, 1988.
48. Domain Structure of Polymer Liquid Crystals, Department of Chemical Engineering, University of Illinois, Urbana, IL, February, 16, 1989.
49. Optical Rheometry of Polymer Liquid Crystals, Physical Chemistry Laboratory, University of Utrecht, The Netherlands, May 24th, 1989.
50. Optical Rheometry of Bidisperse Polymer Melts, Corporate Research Laboratories, Dutch State Mining Company, May 25th, 1989
51. Dynamics of Polymeric Liquids at Intermediate Length Scales, Department of Polymer Chemistry, University of Mainz and Max Planck Institute for Polymer Science, Mainz, West Germany, May 29, 1989.
52. Optical Rheometry of Bidisperse Polymer Melts, Corporate Research Laboratories, BASF, Ludwigshafen, West Germany, May 30, 1989.
53. Dynamics of Polymeric Liquids at Intermediate Length Scales, Physical

- Chemistry Laboratory, Ecole Superiere de Physique et de Chemie Industrielles de Paris, Paris, France, May 31, 1989.
54. Dynamics of Polymeric Liquids at Intermediate Length Scales, Polymer Science Department, University of Freiburg, Freiburg, West Germany, July 10, 1989.
 55. Flow Induced Phase Separation in Polymer Solutions, Department of Chemical Engineering, Purdue University, West Lafayette, Indiana, September 13, 1989.
 56. Rheo-optical Studies of Flow-Induced Phase Transition in Polymer Solutions, Department of Chemical Engineering, University of Connecticut, Storrs, CT, Nov. 15, 1989.
 57. Rheo-optical Studies of Flow-Induced Phase Transition in Polymer Solutions, Department of Polymer Science, University of Massachusetts, Amherst, MA, Nov. 17, 1989.
 58. Optical Rheometry of Polymeric Liquids and Thin Films, Hoescht-Celanese Research Center, Summit, NJ, Jan. 8, 1990.
 59. Infrared Polarimetry Studies for Multi-component Polymer Melts, Kodak Corporate Research Laboratories, Rochester, NY, August 14, 1990.
 60. Electro-hydrodynamics of Dense Colloidal Suspensions, Department of Applied Physics, Nagoya University, Nagoya, Japan, September 18, 1990.
 61. Rheo-optics of Flow-induced Phase Separation of Polymer Solutions, Department of Polymer Chemistry, Kyoto University, Kyoto, Japan, September 19, 1990.
 62. Optical Rheometry, Department of Chemical Engineering, Brigham Young University, Provo, UT, November 29, 1990.
 63. Optical Rheometry, Rhom & Haas Co., Spring House, PA, January 17, 1991.
 64. Extensional Flow Properties of Solutions, Clorox Technical Center, Pleasanton, CA, April 23, 1991.
 65. Rheo-Optics of Polymer Dynamics, 3M, St. Paul, MN, June 3, 1991.
 66. Rheo-Optics of Polymer Dynamics, Amoco Corporation, Naperville, IL, June 4, 1991.
 67. Optical Rheometry, BP Research, Middlesex, United Kingdom, July 22, 1991.
 68. Optical Rheometry of Polymer Melts and Blends, Delft University of Technology, Delft, The Netherlands, September 9, 1991
 69. Flow-Induced Phase Separation of Polymer Liquids, BP Research, Middlesex, United Kingdom, September 16, 1991
 70. Optical Rheometry of Multicomponent Polymer Liquids, University of California, Santa Barbara, November 7, 1991.
 71. Shear Induced Phase Transition and Electric-Field Induced Structures in Polymer Systems, Department of Physics, Kyoto University, January 16, 1992.
 72. Optical Rheometry for Multicomponent Systems, University of Arizona, Tucson, January 21, 1992.
 73. Optical Rheometry for Multicomponent Systems, Department of Chemical Engineering, University of Delaware, March 5, 1992.
 74. Rheo-Optics of Polymer Dynamics, Shell Development Company, Houston, TX, April 23, 1992.
 75. Optical Rheometry of Multicomponent Polymer Liquids, 3M Technical Center, St. Paul, MN, June 23, 1992.

76. Field Induced Phase Separation in Polymer Liquids, Department of Polymer Chemistry, University of Mainz, Germany, July 22, 1992.
77. Dynamics of Multicomponent Complex Liquids, Department of Material Science, EPFL, Lausanne, Switzerland, July 24, 1992.
78. Field Induced Phase Separation of Polymer Liquids, Institute for Problems in Mechanics of the Russian Academy of Sciences, Moscow, Russia, October 6, 1992.
79. Field Induced Phase Separation in Polymer Liquids, Department of Chemical Engineering, University of Washington, Seattle, WA, November 16, 1992.
80. Extensional Viscometry of Low Viscosity Fluids, Polaroid Corporation, Boston, MA, October 21, 1993.
81. Dynamics of Polymer Mixtures, General Electric Co., Schenectady, NY, October 22, 1993.
82. Optical Rheometry of Complex Liquids, Department of Chemical Engineering, University of Florida, Gainesville, FL, November 12, 1993.
83. Optical Rheometry of Complex Liquids, Department of Chemical Engineering, University of Missouri-Rolla, Rolla, MO, November 14, 1993.
84. Optical Rheometry, Xerox Research Centre, Toronto, Canada, February 22, 1994.
85. Optical Rheometry of Complex Liquids, 3M Center, St. Paul, MN, February 23, 1994.
86. Dynamics of Multicomponent Polymer Liquids, Dept. of Chemical Engineering, University of Naples, Italy, March 30, 1994
87. Dynamics of Two Dimensional Liquid Crystals, Dept. of Chemistry, University of Mainz, Germany, April 26, 1994.
88. Optical Rheometry of Complex Liquids, Dept. of Chemical Engineering, University of Patras, Patras, Greece, May 9, 1994.
89. Optical Rheometry of Complex Liquids, Dept. of Polymer Science, F.O.R.T.H., University of Iraklion, Iraklion, Crete, Greece, May 19, 1994.
90. Optical Rheometry, Center for Materials Science, Ecole des Mines de Paris, Nice, France, June 7, 1994.
91. Introduction to Optical Rheometry, Bridgestone Corp., Tokyo, Japan, Sept. 21, 1994.
92. Dynamics and Structure of Wormlike Micelles, Procter and Gamble, Cincinnati, OH, October 25, 1994.
93. Optical Rheometry of Complex Fluids, Chemical Engineering, Texas A&M University, College Station, TX, December 2, 1994.
94. Principles of Optical Rheometry, Technical University of Eindhoven, Eindhoven, The Netherlands, December 7, 1994.
95. Dynamics of Polymeric Liquids using Optical Rheometry, Department of Macromolecular Science, Case Western Reserve University, Cleveland, OH, February 3, 1995.
96. Dynamics of Multicomponent Polymer Liquids, DuPont Corp., Wilmington, DE, February 7, 1995.
97. Dynamics of Multicomponent Polymer Liquids, Union Carbide, New Brunswick, NJ, February 8, 1995.

98. Optical Rheometry of Polymer Liquids, Sunkyong Chemical Co., Yukong Taeduk Research Center, Korea, March 29, 1995.
99. Gerald G. Fuller, Orientation Dynamics of Monolayers, The Levich Institute, City College of New York, March 26, 1996.
100. Gerald G. Fuller, Fluid Dynamics of Complex Interfaces, Department of Chemical Engineering, University of Colorado, Boulder, CO, April 10-11, 1996.
101. Gerald G. Fuller, Rheology of Monolayers, Laboratoire de Rheologie, University of Grenoble, Grenoble, France, April 26, 1996.
102. Gerald G. Fuller, Flow Orientation of Monolayers, Newton Institute, University of Cambridge, U.K., April 30, 1996.
103. Gerald G. Fuller, Series of three lectures: "Flow Induced Concentration Fluctuations in Polymeric Liquids", "Orientation Dynamics of Miscible Polymer Blends", "Interfacial Dynamics of Monolayers", Sadron Institute, University of Strasbourg, Strasbourg, France, June-July, 1996.
104. Gerald G. Fuller, Flow Orientation of Monolayers, Department of Material Science, EFPL, Lausanne, Switzerland, June 17, 1996.
105. Gerald G. Fuller, Flow Orientation of Langmuir Films, Department of Physics, Ecole Normale Supérieure, Paris, France, 1996.
106. Gerald G. Fuller, Flow Orientation of Langmuir Films, Department of Physics, Technical University of Berlin, July 2, 1996.
107. Gerald G. Fuller, Flow Orientation of Langmuir Films, Max Planck Institute for Colloid Science, Berlin, Germany, July 3, 1996.
108. Gerald G. Fuller, Rheology of Monolayers, Department of Chemistry, Tulane University, New Orleans, LA, Oct. 7, 1996.
109. Gerald G. Fuller, Optical Rheometry of Complex Liquids and Interfaces, Raychem, Menlo Park, CA, October 24, 1997.
110. Gerald G. Fuller, Fluid Dynamics of Langmuir Monolayers, Department of Chemical Engineering, Princeton University, Princeton, NJ, February 26, 1997.
111. Gerald G. Fuller, Interfacial Rheology of Monolayers, Chemical Engineering Department, Northwestern University, Evanston, IL, February 27, 1997.
112. Gerald G. Fuller, Rheology of Complex Interfaces, Rheology Research Center, University of Wisconsin, Madison, WI, February 28, 1997.
113. Gerald G. Fuller, Interfacial Rheology, Alza Corporation, Palo Alto, CA, June 18, 1997.
114. Gerald G. Fuller, Optical Rheometry of Complex Liquids, Hercules Inc., Wilmington, Delaware, July 15, 1997.
115. Gerald G. Fuller, Interfacial Rheology and Dynamics of Langmuir Films, Department of Chemistry, University of Essen, Essen, Germany, September 9, 1997.
116. Gerald G. Fuller, Optical Rheometry of Complex Fluids and Interfaces, Department of Chemical Engineering, Oklahoma State University, Stillwater, OK, September 23, 1997.
117. Gerald G. Fuller, Dynamics and Structure of Complex Interfaces, Department of Chemical Engineering, University of British Columbia, Vancouver, BC, September 26, 1997.

118. Gerald G. Fuller, Optical Rheometry of Polymer Melts, Blends, and Copolymers, Elf Atochem, King of Prussia, PA, November 11, 1997.
119. Gerald G. Fuller, Optical Rheometry of Polymer Melts, Blends, and Stereoblock Polymers, Dow, Freeport, TX, November 12, 1997.
120. Gerald G. Fuller, Optical Rheometry of Complex Fluids and Interfaces, Chemical Engineering, NC State, Rayleigh, NC, November 24, 1997.
121. Optical Rheometry of Complex Liquids, Solvay Chemical Co., Brussels, Belgium, June 16, 1998.
122. Optical Rheometry of Complex Liquids, Dow-Corning, Midland, MI, July 13, 1998.
123. Optical Rheometry of Complex Liquids, Avery-Dennison, Cleveland, OH, July, 14, 1998.
124. Dynamics and Rheometry of Complex Interfaces, Carnegie-Mellon University, Pittsburg, PA, Nov. 10, 1999.
125. Structure and Dynamics of Complex Fluid Interfaces, UCSB, Santa Barbara, CA, 01/14/99
126. Structure and Dynamics of Complex Fluid Interfaces, UCLA, Los Angeles, CA, 01/14/99
127. Rheology of Complex Fluids and Interfaces, Procter and Gamble, Cincinnati, OH, 01/27/99.
128. Rheology of Complex Interfaces, Department of Chemistry, Colorado State University, Ft. Collins, CO, 04/15/99
129. Rheology of Complex Interfaces, Colorado School of Mines, Golden, CO, 04/16/99
130. Interfacial Rheology, Procter and Gamble, Brussels, Belgium, 05/07/99
131. Microrheology of Complex Liquids and Interfaces, Rohm and Haas Company, Spring House, PA, May 27, 1999.
132. Dynamics of Complex Liquids and Interfaces, Department of Polymer Chemistry, University of Bayreuth, Bayreuth, Germany, June 29, 1999.
133. Optical Rheometry, Enitechnologies, Milan, Italy, July 1-2, 1999.
134. Applied Rheology, National Starch and Chemical Company, Bridgewater, NJ, August 23-24, 1999.
135. Rheology in Two Dimensions, Chemical Engineering, UC Berkeley, Berkeley, CA, September 15, 1999.
136. Rheology of Complex Interfaces, Kodak Research Laboratories, Rochester, NY, Jan. 14, 2000.
137. Interfacial Rheology of Complex Systems, Merck Research, Rahway, NJ, Mar. 1, 2000.
138. Interfacial Rheology of Complex Systems, ExxonMobile Research and Engineering Company, Clinton, NJ, Mar. 2, 2000.
139. Rheology in Two Dimensions, Department of Polymer Engineering, University of Akron, Akron, OH, Mar. 3, 2000.
140. Dynamics of Complex Interfaces, Department of Polymer Science, Yamagata University, Japan, Mar. 14, 2000.
141. Rheology in Two Dimensions, Frontier Research System, RIKEN Laboratories, Tokyo, Japan, Mar. 16, 2000.

142. Rheology in Two Dimensions, Chemical Engineering, Texas Tech., Lubbock, TX, Feb. 18, 2000.
143. Dynamics of Complex Interfaces, Department of Physics, Technical University of Munich, Germany, June 9, 2000.
144. Dynamics of Complex Interfaces, Department of Polymer Science, University of Bayreuth, Germany, June 12, 2000.
145. Rheology in Two Dimensions, Department of Chemical and Environmental Engineering, University of Arizona, January 23, 2001.
146. Dynamics of Chains Trapped in Two Dimensions, NIST, Gaithersburg, VA, March 6, 2001.
147. Interfacial Rheology, Department of Macromolecular Science, Case Western Reserve University, Cleveland, OH, January 18, 2002.
148. Dynamics of Polymer Interfaces, Department of Chemical Engineering, Wayne State University, Detroit, MI, February 15, 2002.
149. Complex Fluid Interfaces, Facultad de Ciencias de la UNED, E-28040 Madrid, Spain, March 4, 2002.
150. Complex Fluid Interfaces, Unilever Co., NJ, April 6, 2002.
151. Rheology of two-dimensional, mobile systems, University of Minho, Department of Polymer Engineering, Guimarães, Portugal, June 24, 2002.
152. Dynamics of Mobile Interfaces: Rheology on the Edge, Chemical Engineering, UC Davis, Davis, CA, Sept. 30, 2002.
153. Interfacial Rheology of Complex Interfaces, Chemical Engineering, Virginia Tech, October 18, 2002.
154. Dynamics of Mobile Interfaces: Rheology on the Edge, Miami Valley Research Laboratories, Procter and Gamble, Cincinnati, OH, December 16, 2002.
155. Rheology of Complex, Mobile Interfaces, Department of Chemistry, Virginia Tech., Blacksburg, VA, April 18, 2003.
156. Rheology of Complex, Mobile Interfaces, Department of Chemistry, University of Sofia, Sofia, Bulgaria, May 9, 2003.
157. Rheology of Complex, Mobile Interfaces, Department of Materials Science, University of Crete, Heraklion, Greece, May 15, 2003.
158. Complex Fluid Interfaces, Chemical Engineering, University of Michigan, October 30, 2003.
159. Interfacial Rheology, KSV Corp., Helsinki, Finland, August 2, 2004.
160. Particle Stabilized Emulsions, University of Bordeaux, France, September 27, 2004.
161. Particle Stabilized Emulsions, BASF, Ludwigshafen, Germany, September 30, 2004.
162. Complex Fluid Interfaces, Mechanical Engineering, UC Berkeley, Oct. 20, 2004.
163. Rheology of Complex Fluid Interfaces, Physics Department, Emory University, Atlanta, GA, Dec. 3, 2004.
164. Complex Fluid Interfaces, Department of Chemistry, Oxford University, Oxford, England, Dec. 6, 2004.
165. Two-Dimensional Suspensions, Unilever Corporate Research, Colworth, England, Dec. 7, 2004.
166. Complex Fluid Interfaces, Department of Physics, Cambridge University,

- Cambridge, England, Dec. 8, 2004.
167. Dynamics of Complex Fluid Interfaces, Engineering and Applied Sciences, Harvard University, Cambridge, MA, Jan. 10, 2005.
 168. Complex Fluid Interfaces, Department of Chemistry, University of Groningen, Groningen, The Netherlands, Jan. 17, 2005.
 169. Solid-Stabilized Emulsions, Department of Physics, Free University of Amsterdam, Amsterdam, The Netherlands, Jan. 18, 2005.
 170. Interfacial Rheology, Chemical Engineering, Ecole Polytechnique, Montreal, Canada, March 31, 2005.
 171. Complex Fluid Interfaces, Chemical Engineering, Laval University, Quebec City, Quebec, Canada, April 1, 2005.
 172. Complex Fluid Interfaces, Department of Physics, UC Santa Cruz, Santa Cruz, CA, April 8, 2005.
 173. Dynamics of Biological Films, Guidant, Mountain View, CA, June 3, 2005.
 174. Dynamics of Biological Films, Nellcor, Pleasanton, CA, June 6, 2005.
 175. Particle Stabilized Droplets, Rheology Research Center, University of Wisconsin, October 28, 2005.
 176. Complex Fluid Interfaces, Chemical Engineering, University of Pittsburgh, November 11, 2005.
 177. Complex Fluid Interfaces: Applications in Consumer Products and the Life Sciences, Department of Chemistry, UCLA, April 1, 2006.
 178. Complex Fluid Interfaces, Department of Chemical Engineering, University of Calabria, May 30, 2006.
 179. Interfacial Rheology, Institute of Bioengineering and Nanotechnology, Singapore, August 7, 2006.
 180. Interfacial Rheology, King's Mongkut Institute of Technology North Bangkok, Department of Mechanical Engineering, Bangkok, Thailand, August 9, 2006.
 181. Recent Advances in Interfacial Rheology, Shanghai Jiao Tong University, Shanghai, China, December 13, 2006.
 182. The Rheology of Complex, Biological Interfaces, Manchester Interdisciplinary BioCentre, Manchester, England, July 1-6, 2007.
 183. Short Course on Rheology, Shanghai Jiao Tong University, Shanghai, China, July 23 – 27, 2007
 184. Washington University, October 28, 2007
 185. IIT Delhi, November 21, 2007.
 186. IIT Kanpur, November 22, 2007.
 187. National Chemical Laboratories, Pune, India, November 23, 2007.
 188. Interfacial Rheology, IIT Mumbai, India, October 3, 2008.
 189. Interfacial Rheology, National Chemical Laboratories, Pune, India, October 4, 2008.
 190. Interfacial Rheology, IIT Delhi, India, October 15, 2008.
 191. Interfacial Rheology, Indian Institute of Science, Bangalore, India, October 17, 2008.
 192. Oriented collagen substrates for directed cell growth, Department of Chemical Engineering, University of Queensland, Brisbane, Australia, August 10, 2009.
 193. Surface Cleaning using Non-Newtonian Fluids, Departmental Seminar, Chemical Engineering, ASU, Tempe, AZ, April 24, 2010

194. Interfacial Rheology, Petrobras Research Laboratories, Rio de Janeiro, Brazil, July 12, 2010.
195. Extensional Rheometry and Surface Cleaning, Departmental Seminar, Chemical Engineering, University Federal Rio de Janeiro, July 13, 2010.
196. Protein-Surface Interactions, Cabot Industries, Billerica, MA, July 11, 2010.
197. Interfacial Rheology: Emulsion Stability, Coalescence, and Adhesion, Cape Town University, Cape Town, SA, Sept. 7, 2010.
198. Rinsing Flows and Particle Removal, ESPCI, Paris, France, September 28, 2010.
199. Protein-Surface Interactions, Medimmune, Gaithersburg, MD, Oct. 11, 2010.
200. Rinsing Flows and Surface Cleaning by Complex Liquids, Chemical Engineering, University of Leuven, Leuven, Belgium, December 8, 2010.
201. Rinse and Repeat: Turning Polymeric Liquids into Soft Adhesives, Chemical Engineering, Queen's University, Kingston, Ont., Canada, January 20, 2011.
202. Surface Cleaning by non-Newtonian Fluid Rinsing, Clorox Corp., Pleasanton, CA, January 28, 2011.
203. Rinse and Repeat: Turning Polymeric Liquids into Soft Adhesives, Mechanical Engineering, U. Washington, Seattle, March 1, 2011.
204. Rinse and Repeat: Turning Polymeric Liquids into Soft Adhesives, Mechanical Engineering, Georgia Tech, April 11, 2011.
205. Short Course on Rheology, Brazilian Society of Rheology, Rio de Janeiro, Brazil, July 4-5, 2011.
206. Short Course on Rheology, Golden Gate Polymer Forum, July 13-15, 2011, Mountain View, CA.
207. Short Course on Rheology, University of Leuven, Leuven, Belgium, September 5-9, 2011.
208. Short Course on the Rheology of High Interface Systems, Society of Rheology Meeting, Cleveland, OH, October 8-9, 2011.
209. Short Course on Rheology, South African Society of Rheology, Johannesburg, SA, November 21-22, 2011.
210. Interfacial Rheology of Biological Interfaces, UC Irvine, Chemical Engineering, April 13, 2012.
211. Interfacial Rheology of Biological Interfaces, Purdue University, Chemical Engineering, April 24, 2012.
212. Complex Biological Interfaces, RPI Chemical Engineering, Nov. 7, 2012.
213. Complex Biological Interfaces, U. Connecticut Chemical Engineering, Nov. 9, 2012.
214. Stressing out cells, U. Washington Mechanical Engineering, Nov. 20, 2012.
215. Stressing out cells, U. Cambridge, Cavendish Physics Department, March 28, 2013.
216. Rheology Short Course (Lectures on Suspension Mechanics and Interfacial Rheology), Sponsored by TA Instruments, Milford, MA, June 25-27, 2013.
217. Short Course on Rheology (Lectures on Extensional and Interfacial Rheology), Rio de Janeiro, July 9, 2013.
218. Short Course on Rheology in Oil Production (Lecture on Interfacial Rheology), Reservoir Engineering Research Institute, Stanford University, August 12-16, 2013.
219. Wageningen Workshop: A Short Course on Surface and Soft Matter Rheology (Lecture on Interfacial Rheology), Wageningen University, The Netherlands, August 30,

2013.

220. European Short Course on Rheology (Lectures on Interfacial Rheology and the Rheology of Living Systems), Leuven, Belgium, September 2-6, 2013.
221. The Rheology of Biological Interfaces, Department of Materials Science and Engineering, The Johns Hopkins University, Baltimore, MD, October 2, 2013.
222. Nature's Rheologists: Vascular Endothelial Cells, Polymer Science Department, Case Western Reserve, Cleveland, OH, October 18, 2013.
223. The Dynamics of Two Biological Interfaces, Institute for Molecular Engineering, University of Chicago, April 2, 2014.
224. The Dynamics of Two Biological Interfaces, Chemical Engineering, University of Illinois, Chicago, April 3, 2014.
225. Rheotaxis: the Migratory Response of Endothelial Cells to Spatially Complex Shear Stress Profiles, ESPCI, Paris, France, June 6, 2014.
226. Dynamics of two biological interfaces, Department of Chemical Engineering, Hong Kong University of Science and Technology, August 28, 2014.
227. Interfacial dynamics of two biological surfaces, Department of Mechanical Engineering, P.U.C., Rio de Janeiro, Brazil, November 19, 2014.
228. Non-linear and interfacial rheology, Universidade Federal do Rio de Janeiro - UFRJ, Rio de Janeiro, Brazil, December 1, 2014.
229. Non-linear and interfacial rheology, Universidade Federal de Minas Gerais – UFMG, Belo Horizonte, Brazil, December 2, 2014.
230. Non-linear and interfacial rheology, Universidade Federal Rio Grande do Sul – UFRGS, Porto Alegre, Brazil, December 3, 2014.
231. Rheology of Complex Fluid-Fluid Interfaces; Rheology in Argentina – Is it Time to Develop the Argentinian Society of Rheology, Universidad Nacional de Quilmes, Buenos Aires, Argentina, December 4, 2014.
232. Non-linear and interfacial rheology, YPF (the Argentinian oil company), Buenos Aires, Argentina, December 5, 2014.
233. Interfacial Rheology Applied to Oil Production Research Problems, Petrobras, Rio de Janeiro, December 8, 2014.
234. Interfacial Rheology Applied to Oil Industry Research, Phillips66, Bartlesville, OK, February 18, 2015.
235. Complex Biological Interfaces Subject to Flow, Chemical Engineering, Illinois Institute of Technology, Chicago, IL, March 11, 2015.
236. The Dynamics of Two Biological Interfaces, OIST, Okinawa, Japan, March 26, 2015.
237. The Dynamics of Two Biological Interfaces, laboratory MSC, University Paris Diderot, Paris, April 13, 2015.
238. The Dynamics of Two Biological Interfaces, Université Paris-Saclay, Paris, April 14, 2015. Interfacial Rheology and Fluid Dynamics of Biological Interfaces, FORTH, Crete, Greece, June 25, 2015.
239. Stability the tear and alveoli films, it's a matter of stress, Chemical Engineering, University of Lehigh, Bethlehem, PA, September 2, 2015.
240. The Dynamics of Two Biological Interfaces, Chemical Engineering, Univ. Maine, Bangor, ME, October 16, 2015.
241. Interfacial Rheology Applied to Antifoaming, Shell Research Center, Houston, TX,

November 16, 2016.

242. Foam Stability and Interfacial Rheology, Food Science Department, ETH, Zurich, November 23, 2015.

243. Response of Lymphatic Endothelial Cells to Flow, Materials Science Department, ETH, Zurich, November 24, 2015.

247. Interfacial Rheology in Food Science, Nestle Research Center, Lausanne, Switzerland, November 27, 2015.

248. Defoaming in Lubrication, Chevron Research Center, Richmond, CA, February 23, 2016.

249. Stressing out cells, Physics Department, U. Texas at Austin, Austin, TX, March 23, 2016.

250. Spreading of Miscible Liquids, Dept. Chemical Engineering, Queens University, Kingston, ON, Canada, October 13, 2016.

251. Stability of Ocular and Alveolar Thin Liquid Films, Department of Materials Science, Zhejiang University, Hangzhou, China, August 31, 2017.

252. Viscoelastic responses of the tear film and of the corneal epithelium, Byers Eye Institute, Stanford University, December 15, 2016.

253. The Fluid Dynamics of Ultra-low Surface Tension Liquids, Chemical Engineering, University of Illinois, Urbana-Champaign, March 14, 2017.

253. Interfacial Rheology, Zhejiang University, Hangzhou, China, June 5, 6, 2017.

254. Biofilm-Mediated Adhesion of E. Coli to Bladder Cells, HKUST, Hong Kong, August 23, 2017.

253. Gravity-driven spreading of miscible liquids, IUTAM/AMERIMECH Symposium: Dynamics of Gravity Currents at UC Santa Barbara, September 27, 2017.

254. Stability of Emulsions and Foams, One Drop and Bubble at Time, Dept. Mech. Eng., Tsinghua University, Beijing, China, Nov. 21.

255. Stability of Emulsions and Foams, One Drop and Bubble at Time, Dept. Chem. Eng., Zhejiang University, Hangzhou, China, Nov. 23, 2017.