

DAVID A. WEITZ

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Personal: Born: Oct. 3, 1951, Ottawa, Canada; US and Canadian citizen.

Education: B.Sc., Honors Physics, University of Waterloo, 1973.
A.M., Physics, Harvard University, 1975.
Ph.D., Physics, Harvard University, 1978. (Advisor: Prof. M. Tinkham).

Experience: Co-director, BASF Advanced Research Initiative at Harvard, 2007-
Co-director, Harvard Kavli Institute for Bionano Science & Technology, 2007-
Professor, Department of Systems Biology, 2006-present.
Mallinckrodt Professor of Physics & Applied Physics, Harvard University, 2005-
Director, Harvard Materials Research Science & Engineering Center 2001-
Gordon McKay Prof. of Appl. Physics & Physics, Harvard University, 1999-2005
Professor of Physics, University of Pennsylvania, 1995-1999
Physicist, Exxon Research and Engineering Co., 1978-1995.
Group Leader: Interfaces and Inhomogeneous Materials Group, 1987-1989.
Science Area Leader: Complex Fluids, 1989-1993.

Affiliations: American Physical Society. Optical Society of America.
American Chemical Society. Biophysical Society.

Current Research Interests:

- Physics of soft condensed matter, colloidal dispersions, foams and emulsions, biomaterials.
- Mechanics of biomaterials, cell rheology.
- Microfluidic techniques for new complex fluid structures, bio-chemical assays, screening.
- Synthesis of new soft materials; engineering structures for encapsulation
- New optical measurement techniques for dynamics and mechanics of random systems.
- Multiple scattering of classical waves.

Major Research Accomplishments:

- Developed Diffusing-Wave Spectroscopy and exploited it for novel studies of soft materials.
- Developed microrheology and applied it to biomaterials, polymers, colloids and emulsions.
- Developed confocal microscopy to investigate dynamics of 3D colloidal suspensions.
- Developed microfluidics for compartmentalized bio-assays, and synthesis of new materials.
- Founded four start-up companies based on microfluidics application.
- Developed techniques to study cell rheology, and showed importance of non-linear behavior.
- Developed use of self-assembly to synthesize new encapsulation structures
- Developed Diffusing Acoustic Wave Spectroscopy to study solid particle dynamics in fluids.
- Discovered novel colloidal interactions in anisotropic fluids with emulsions in liquid crystals
- Showed that the structure of colloidal aggregates is fractal.
- Developed general model for surface-enhanced light scattering at rough metal surfaces.
- Performed several experiments in space with NASA support to study basic colloid physics.

Honors And Awards:

Jones Lecture, Engineering School, Dartmouth College, Hanover, NH, Jan. 25, 2008
 Warren McCabe Lecture, Dept. of Chemical and Biomolecular Engineering, North Carolina State University, Oct. 22, 2007
 Visiting Professor, ESPCI, Paris, France, May, 2007.
 Jean Perrin Lecture, Institut Curie, Paris, France, Oct. 24, 2006.
 Distinguished Lecturer, Dept. of Chemical Engineering, Penn State University, State College, PA, April 20, 2006
 Engineering Foundation Endowed Lectureship, Dept. of Chemical Engineering, University of Texas, Austin, TX, April 4, 2006
 van der Waals Honorary Visiting Professor, University of Amsterdam, Nov. 2004 – Aug. 2005.
 Visiting Professor, ESPCI, Paris, France, November – December, 2004.
 Morrison Lectures, Brockhouse Institute for Materials Research, McMaster University, Hamilton, ON, Canada, Mar. 13-16, 2004.
 Bertman Lecture, Dept. of Physics, Wesleyan University, Middlebury, CT, May 8, 2003.
 Sydney Ross Lecture, Dept. of Chemistry, Rensselaer Institute of Technology, Troy, NY, April 15, 2003
 Read Lecture, Dept. of Materials Science and Engineering, University of Illinois, Urbana-Champaign, IL, Feb. 10, 2003.
 Bayer Distinguished Lecture, Dept. of Chemical Engineering, U. Pittsburgh, Feb 13, 14, 2002.
 Sir Eric Rideal Lecture, Faraday Discussions 123, Edinburgh, Scotland, Sept. 9, 2002.
 Fellow of the American Physical Society.
 Publications on list of most cited publications of that year in two separate research fields (from *Current Contents*, **47**, **51-52**, [1986]):
 D.A. Weitz, S. Garoff, J.I. Gersten and A. Nitzan, *J. Chem. Phys.* **78**, 5324 (1983).
 D.A. Weitz and M. Oliveria, *Phys. Rev. Lett.* **52**, 1432 (1984).
 Exxon Incentive Awards, 1985, 1981.

Professional Activities:

Co-founder of GnuSeq, a company to use microfluidics for sequencing.
 Co-founder, HAbSel, a company to use microfluidics to discover human antibodies.
 Co-founder, Capsum, a company using microfluidics to make encapsulation structures.
 Technical Advisory Board, Dow-Corning, 2007-present.
 Chair, Academic Quality Assessment and Development Review, Dept. of Polymer Science, University of Massachusetts, March, 2007
 Co-Founder and Board of Directors, Raindance Technologies, 2006-present.
 External Review of MRSEC, Northwestern University, June, 2006.
 External reviewer, Physics Dept., Simon Fraser University, Vancouver, BC, Canada, Mar. 2005.
 External Advisory Committee, MRSEC, University of Chicago, 2004, 2006.
 External Advisory Committee, MRSEC, Princeton University, 2004, 2006.
 Scientific Advisory Board of Cabot Corp. 2002-present
 Scientific Advisory Board of Arryx Corp. 2001-2005
 Scientific Advisory Board, Max Planck Institute for Polymers, Mainz, Germany 2001-present.
 Scientific Advisory Board, Center for Non-Linear Science, Los Alamos, NM 2001-present.
 Associate Editor, Physical Review E, for Fluids and Complex Fluids, 1997-1999.
 Member, Board of Editors, Physical Review E, 1992-1997; 1999-2005.
 Editor, May 1994 issue of the Bulletin of the MRS, titled *Mesoscopic Disorder*.

Industrial Visitor, James Franck Institute, The University of Chicago, Oct.-Nov. 1992.

Committees And Conference Organization:

Co-Chair, Gordon Research Conference on Soft Matter, July, 2009
 National Research Council Committee on Biomolecular Materials and Applications, 2006-7.
 Frontiers of Soft Condensed Matter Workshop, ExxonMobil, Clinton, NJ, May 2005.
 Boulder Summer School, "Soft Condensed Matter," Co-Organizer, July 2002
 "Physics of Soft Matter," CNLS Annual Conference, Co-Organizer, May 2001.
 NSF Workshop: "Force Transduction in Biology," Co-Organizer, Washington, DC, July 24-26, 2000.
 Greater Boston Quarterly "Complex Fluids" Meetings, Co-Organizer, 1999-.
 NASA "Fluids Discipline Working Group" Advisory panel
 NSF MRSEC pre-proposal panel, Washington DC, Nov. 1999
 NSF Career Grant Panel for Soft Materials, Washington, DC, Feb. 1999.
 Materials Science Summer Institute (MASI) on Complex Fluid Materials, co-organizer, 1998.
 NASA Grant Review Panel, Fluid Physics, 1995.
 Grant Selection Committee, National Science and Eng. Research Council of Canada, 1991-1994.
 DOE Review Panel for Ceramics and Superconductivity, 1992.
 ACS Symposium: "Scattering Methods from Colloids," ACS Meeting, Newark, DE, 1997
 ACS Symposium: "Photoprocesses at Solid Surfaces," ACS Meeting, Seattle WA, 1983.
 MRS Symposium: "Complex Fluids and Biomaterials," Fall 1997.
 MRS Symposium: "Complex Fluids," Fall 1991; Editor of MRS Proceedings, "Complex Fluids."
 MRS Symposium: "Fractal Aspects of Materials: Disordered Systems," Fall 1988.
 MRS Symposium: "Fractal Aspects of Materials: Disordered Systems," Fall 1987.
 OSA Regional Optical Engineering Workshop, NJ, 1991.

Current Graduate Students:

Mira Guo, Sujit Dutta, Ben Fan, Mark Romanowsky, Tony Hung, Ming Guo, Tom Kodger, Sorrell Massenburg, Kate Jensen, Melaku Muluneh, Don Aubrecht, Liza Morris, Anderson Shum, Louise Jawerth, Karen Kasza, Rodrigo Guerra, David Vader, Yi-Chia Lin, Katie Humphry

Former Graduate Students:

Peter Lu (Ph.D. 2008) Post doc, Harvard
 Sabine Volkmer (AM 2008) Patent attorney
 Jiayu Liu (Ph.D. 2007) Analyst, Goldman Sachs
 Ryan Larsen (Ph.D. 2007) Post doc, UIUC
 Andrew Utada (Ph.D. 2007) Post doc, Japan
 Cliff Brangwynne (Ph.D. 2007) Post doc, MPI, Dresden, Germany
 Shang Tee (Ph.D. 2005) Post doc, U. Penn, Philadelphia
 Jacinta Conrad (Ph.D., 2005) Post doc, UIUC
 Margaret Gardel (Ph.D., 2004) Assistant Professor, Dept. of Physics, University of Chicago.
 Ming Hsu (Ph.D., 2004) Staff Scientist, GE
 Bivash Dasgupta (Ph.D., 2004) Staff Scientist, Unilever
 Suliana Manley (Ph.D., 2004) Post doc, NIH
 Vernita Gordon (Ph.D., 2003) Post doc, UIUC
 Megan Valentine (Ph.D., 2003) Post doc, Stanford University

Vikram Prasad (Ph.D. 2002) Post doc, Emory University
 Sophie Pautot (Ph.D. 2002) Post doc, UC Berkeley
 Tom Mason (Ph.D. 1995 – through Princeton University) Professor, UCLA
 Hu Gang (Ph.D. 1995 – through Queen’s College) Staff Scientist, Raindance Technologies
 Jixiang Zhu (Ph.D. 1992– through Queen’s College) Owner, Correlators.com
 Ling Ye (Ph.D. 1991– through Queen’s College) Software engineer
 Min Lin (Ph.D. 1989 – through Queen’s College) Consultant on neutron scattering, NIST

Post Doc Supervision:

Jim Wilking (2008-present)
 Connie Chang Wilking (2008-present)
 Byung Mook Weon (2008-present)
 Allen Ehrlicher (2008-present)
 Suzie Protiere (2008-present)
 Iliia Sloutskin (2007-present, Fulbright Fellowship)
 Toshimitsu Kanai (2007-present, Japan government fellowship)
 Andre Studart (2007-present, Swiss government fellowship)
 Amber Krummel (2007-present)
 Adam Abate (2007-present, INEST)
 Daeyoon Lee (2007-present)
 Josh Blouwolff (2006-2007, French govt. support), Staff scientist, US Genomics,
 Lei Xu (2006-present)
 Mike Massa (2006-present, NSERC fellowship)
 Christian Schmitz (2006-2007, German government fellowship) Boston Consultants, Stuttgart
 Sarah Koester (2006-present, German government fellowship)
 Enric Santanach Carreras (2006-2007, French government fellowship) post doc, ESPC
 Rutesh Shah (2006-present)
 Kosta Ladavac (2006-present, Schlumberger)
 Amy Rowat (2005-present, Human Frontiers Fellowship)
 Ingo Ramsteiner (2005-present, Humbolt fellowship)
 Alberto Fernandez de las Nieves (2005-2007, INEST) Asst. Prof. Physics Dept., Georgia Tech
 Carlos Martinez (2005-2007, INEST) Assistant Professor, Dept. of Materials Science, Perdue.
 Christian Holtze (2005-2007 German government fellowship), Staff scientist, BASF
 Tommy Angelinni (2005-present, INEST)
 Christoph Eissenman (2005-2007, German government fellowship) Vossius & Partners, Munich
 Jinwoong Kim(2005-2007, Korean government fellowship) Staff Scientist, Amore Pacific
 Dan Needleman (2005-2007, NIH Fellowship) Assistant Professor, Harvard University.
 Chinedum Osuji (2005-2007) Assistant Professor, Yale University
 Jeremy Agresti (2005-present, INEST)
 Marco Caggioni (2005- 2006), staff scientist, P&G
 Claudia Friedsam (2005-present, German government fellowship)
 Alvero Teixeira (2005-2006, Brazilian government fellowship) Asst. prof., Brazil
 Xavier Noblin (2004-2006), CNRS, Nice, France
 Gijsje Koenderink (2004-2006, Marie Curie Fellowship), FOM, Amsterdam, Holland
 Ryan Hayward (2004-2005) Assistant professor, Dept. of Polymer Science, UMass, Amherst
 Chanjoong Kim (2004-present)
 Henry Chong (2004-2006) Position in Finance
 Jay Anseth (2004-2006) Staff scientist, E-Ink, Cambridge, MA

Keunho Ahn (2004-2006, INEST), Cellula, San Fransico, CA
Charles Kerbage (2003-2005) Research Associate, Harvard Medical School
Elise Lorenceau (2003-2004) CNRS position, Marne le Vallé, Paris, France
Hans Wyss (2003-present, Swiss government fellowship)
Elaine Zhu (2003-2004), Assistant Professor, Dept. of Chemical Engineering, Notre Dame
Dan Blair (2003-2007) Assistant Professor, Dept. of Physics, Georgetown University
Johan Mattsson, (2003-2006) Asst. Prof., Dept. of Chemistry, Chalmers University, Sweden
Zhengdong Cheng (2003-2004) Assistant Professor, Dept. of Chemical Eng, Texas A&M
Peter Schall (2003-2005) Assistant Professor, Dept. of Physics, University of Amsterdam
Laura Kaufman (2003-2004) Assistant Professor, Dept. of Chemistry, Columbia University
Galder Christobal (2002-2003) Lab of the Future, Rhodia, Bordeaux France
Eric Dufresne (2002-2004) Assistant Professor, Dept. of Mech. Eng., Yale University
Darren Link (2002-2004) Vice President, Engineering, RainDance Technologies.
You-Yeon Won (2001-2003) Assistant Professor, Dept. of Chemical Eng., Perdue University
Itai Cohen (2001-2005) Assistant Professor, Applied Physics, Cornell University.
Rebecca Christianson (2001-2004) Assistant Professor, Olin College
Nicolas Tsapis (2001-2004) University of Pharmacy, Paris France.
Maria Kilfoil (2001-2003) Assistant professor, Dept. of Physics, McGill University.
Ani Nikova (2001-2002) Cabot Corp.
Steve Meeker (2000-2001) Rhodia, Paris, France
Daniel Rudhardt (2000-2001) Staff Physicist, Bayer Corp. Germany
Andreas Bausch (2000-2001) Assistant Professor, Dept. of Physics, Tech. University of Munich.
Urs Gasser (1999-2001) Researcher, PSI, Switzerland.
Tony Dinsmore (1999-2001) Assistant Professor, Dept. of Physics, University of Mass, Amherst.
Alois Popp (1999-2003) Staff scientist, Unilever, Holland
Kapeel Krishna (1998-2000) Staff scientist, Rhodia, Cranbury, NJ
Eric Weeks (1998-2001) Professor, Dept. of Physics, Emory University
Laurence Ramos (1997-1998) CNRS, Montpellier, France
Phil Segre (1997-2000) Professor, Dept. of Physics, Emory University
Luca Cipelletti (1997-1999) Maitre de Conference, Dept. of Physics, University of Montpellier.
Veronique Trappe (1997-1999) Maitre d'Assistant, Dept. of Physics, University of Fribourg.
Paul Umbanhower (1997-1998) Assistant Professor, Dept. of Physics, Northwestern University.
Peter Kaplan (1996-1998) Manager, Unilever, Edgewater, NJ.
Thomas Gisler (1995-1998) Habilitation candidate, Dept. of Physics, University of Konstanz.
Philippe Poulin (1996-1997) CNRS, CRPP, Bordeaux.
Al Krall (1994-1997), Left physics.
Art Bailey (1993-1994), SciTech Corp, Vancouver, BC.
Jerome Bibette (1992-1993), Professor, ESPCI, Paris, France.
Jing Liu (1990-1993), Professor, Physics Department, CSULB.
Doug Durian (1990-1992), Professor, Physics Department, University of Pennsylvania.
Mac Lindsay (1987-1989), software consultant, Atlanta, GA.

PUBLICATIONS:

1. "Delayed Electroluminescence Quenching in Anthracene," L.L.T. Bradley, H.P. Schwab, D.A. Weitz and D.F. Williams, *Mol. Cryst. and Liq. Cryst.* **23**, 271-282 (1973).
2. "The Variation of the Carrier Recombination Region with Carrier Density in Anthracene Crystals," H.P. Schwab, D.A. Weitz, and D.F. Williams, *Mol. Cryst. and Liq. Cryst.* **24**, 271-282 (1973).
3. "Wavelength Measurements of $^{13}\text{C}^{16}\text{O}$ Laser Transitions," J.W.C. Johns, A.R.W. McKellar, and D.A. Weitz, *J. Mol. Spectrosc.* **51**, 539-545 (1974).
4. "Niobium Point-Contact Josephson-Junction Behavior at 604 GHz," D.A. Weitz, W.J. Skocpol, and M. Tinkham, *Appl. Phys. Lett.* **31**, 227-229 (1977).
5. "High Frequency Behavior of 'Ideal' Superconducting Point Contacts," D.A. Weitz, W.J. Skocpol, and M. Tinkham, *Phys. Rev. Lett.* **40**, 253-256 (1978).
6. "Capacitive Mesh Output Couplers for Optically-Pumped Far-Infrared Lasers," D.A. Weitz, W.J. Skocpol and M. Tinkham, *Opt. Lett.* **3**, 13-15 (1978).
7. "Characterization of Niobium Point Contacts Showing Josephson Effects in the Far Infrared," D.A. Weitz, W.J. Skocpol and M. Tinkham, *J. Appl. Phys.* **49**, 4873-4880 (1978).
8. "Far-Infrared Frequency Dependence of the ac Josephson Effect in Niobium Point Contacts," D.A. Weitz, W.J. Skocpol and M. Tinkham, *Phys. Rev.* **B18**, 3282-3292 (1978).
9. "Properties of Josephson Point Contact Far-Infrared Detectors," D.A. Weitz, W.J. Skocpol and M. Tinkham, *Infrared Phys.* **18**, 647-656 (1978).
10. "Very Low Frequency Surface-Enhanced Raman Scattering," A.Z. Genack, D.A. Weitz and T.J. Gramila, *Surf. Sci.* **101**, 381-386 (1980).
11. "Anomalous Low Frequency Raman Scattering from Rough Metal Surfaces and the Origin of Surface-Enhanced Raman Scattering," D.A. Weitz, T.J. Gramila, A.Z. Genack and J.I. Gersten, *Phys. Rev. Lett.* **45**, 355-358 (1980).
12. "Coherent Transients by Optical Phase Switching -- Dephasing in $\text{LaCl}_3:\text{Pr}^{3+}$," A.Z. Genack, D.A. Weitz, R.M. Macfarlane, R.M. Shelby and A. Schenzle, *Phys. Rev. Lett.* **45**, 438-441 (1980).
13. "Inelastic Mie Scattering From Rough Metal Surfaces: Theory and Experiment," J.I. Gersten, D.A. Weitz, T.J. Gramila and A.Z. Genack, *Phys. Rev.* **B22**, 4562-4571 (1980).
14. "Nuclear-Quadrupole Optical Hole Burning in the Stoichiometric Material $\text{EuP}_4\text{O}_{14}$," R.M. Macfarlane, R.M. Shelby, A.Z. Genack and D.A. Weitz, *Opt. Lett.* **5**, 462-464 (1980).
15. "The Role of Roughness in Surface-Enhanced Raman Scattering," D.A. Weitz, T.J. Gramila, A.Z. Genack and J.I. Gersten, *J. Opt. Soc. Am.* **70**, 1411-1412 (1980).
16. "Coherent Transients by Optical Phase Switching -- Dephasing in $\text{LaCl}_3:\text{Pr}^{3+}$," A. Schenzle, R.M. Macfarlane, R.M. Shelby, D.A. Weitz and A.Z. Genack, *J. Opt. Soc. Am.* **70**, 1396-1317 (1980).

17. "Optical Absorption Resonances of Dye-Coated Silver-Island Films," S. Garoff, D.A. Weitz, T.J. Gramila and C.D. Hanson, *Opt. Lett.* **5**, 245-247 (1981).
18. "Fluorescent Lifetimes and Yields of Molecules Adsorbed on Silver-Island Films," D.A. Weitz, S. Garoff, C.D. Hanson, T.J. Gramila and J.I. Gersten, *J. Luminescence* **24/25**, 83-86 (1981).
19. "Fluorescent Lifetimes of Molecules on Silver-Island Films," D.A. Weitz, S. Garoff, C.D. Hanson, T.J. Gramila and J.I. Gersten, *Opt. Lett.* **7**, 89-91 (1982).
20. "Excitation Spectra of Surface-Enhanced Raman Scattering on Silver-Island Films," D.A. Weitz, S. Garoff and T.J. Gramila, *Opt. Lett.* **7**, 168-170 (1982).
21. "Surface-Enhanced Spectroscopies: Fluorescence and Raman Scattering," D.A. Weitz and S. Garoff, *Proceedings of the International Conference on Lasers, December 1981*, (STS Press 1982) pp. 55-60.
22. "Inelastic Mie Scattering from Rough Metal Surfaces," D.A. Weitz, T.J. Gramila and A.Z. Genack, in *Surface-Enhanced Raman Scattering*, ed. R.K. Chang and T.E. Furtak (Plenum Publishing Corp., NY 1982) pp. 339-360.
23. "Photochemistry of Molecules Adsorbed on Silver-Island Films: Effects of the Spatially Inhomogeneous Environment," S. Garoff, D.A. Weitz and M.S. Alvarez, *Chem. Phys. Lett.* **93**, 283-286 (1982).
24. "Spectroscopy of Adsorbed Molecules Using Silver-Island Films," D.A. Weitz S. Garoff, M.S. Alvarez and J.C. Chung, *Appl. Phys.* **B28**, 230 (1982).
25. "Spectroscopic Applications of Surface-Enhanced Raman Scattering," S. Garoff, D.A. Weitz and C.J. Sandroff, in *Raman Spectroscopy: Linear and Nonlinear*, ed by J. Lascombe and P.V. Huong (John Wiley, 1982) pp. 55-56.
26. "Surface-Enhanced Raman Study of Charge Transfer from Tetrathiofulvalene to Silver and Gold Surfaces," C.J. Sandroff D.A. Weitz, J.C. Chung and D.R. Herschbach in *Raman Spectroscopy: Linear and Nonlinear*, ed. J. Lascombe and P.V. Huong (John Wiley, 1982) pp. 61-62.
27. "A Comparison of Raman Scattering, Resonance Raman Scattering and Fluorescence from Molecules Adsorbed on Silver-Island Films," D.A. Weitz, S. Garoff, J.I. Gersten and A. Nitzan, *J. Electron Spectrosc. and Related Phenom.* **29**, 363-370 (1983).
28. "The Enhancement of Raman Scattering, Resonance Raman Scattering and Fluorescence from Molecules Adsorbed on a Rough Silver Surface," D.A. Weitz, S. Garoff, J.I. Gersten and A. Nitzan, *J. Chem. Phys.* **78**, 5324-5338 (1983).
29. "Charge Transfer from Tetrathiofulvalene to Silver and Gold Surfaces Studied by Surface-Enhanced Raman Scattering," C.J. Sandroff, D.A. Weitz, J.C. Chung and D.R. Herschbach, *J. Phys. Chem.* **87**, 2127-2133 (1983).
30. "Surface-Enhanced Raman Scattering by Molecules Adsorbed on Aqueous Copper Colloids," J.A. Creighton, M.S. Alvarez, D.A. Weitz, S. Garoff and M.W. Kim, *J. Phys. Chem.* **87**, 4793-4799 (1983).
31. "Electromagnetically Induced Changes in Intensities, Spectra and Temporal Behavior of Light Scattering from Molecules on Silver Island Films," S. Garoff, D.A. Weitz, M.S. Alvarez and J.C. Chung, *J. Phys. Colloq.* **44**, C10 pp. 345-348, (1983).

32. "High Pressure Raman Scattering from the 1-D Organic Conductor HMTSF-TCNQ," D.A. Weitz, H.E. King Jr., J.P. Stokes, J.C. Chung and A.N. Bloch, *Mat. Res. Soc. Symp. Proc.* **22**, 349-352 (1984).
33. "Laser Desorption Mass Spectrometry of Surface-Adsorbed Molecules," R.A. Fletcher, I. Chabay, D.A. Weitz and J.C. Chung, *Chem. Phys. Lett.* **104**, 615-619 (1984).
34. "Fractal Structures Formed by Kinetic Aggregation of Aqueous Gold Colloids," D.A. Weitz and M. Oliveria, *Phys. Rev. Lett.* **52**, 1432-1436 (1984).
35. "Self Similar Structures and the Kinetics of Aggregation of Gold Colloids," D.A. Weitz and J.S. Huang, in *Kinetics of Aggregation and Gelation*, F. Family and D.P. Landau, ed, (Elsevier, NY, 1984). pp. 19-28.
36. "Periodic Structures in Driven Colloidal Crystals," D.A. Weitz, W.D. Dozier and P.M. Chaikin, *J. Phys.* **46**, C3 pp. 257-268 (1985).
37. "Electrodynamics at Rough Metal Surfaces: Photochemistry and Luminescence of Adsorbates Near Metal-Island Films," S. Garoff, D.A. Weitz, M.S. Alvarez and J.I. Gersten, *J. Chem. Phys.* **81**, 5189-5200 (1984).
38. "Dynamics of Diffusion-Limited Kinetic Aggregation," D.A. Weitz, J.S. Huang, M.Y. Lin and J. Sung, *Phys. Rev. Lett.* **53**, 1657-1660 (1984).
39. "Colloidal Aggregation Revisited: New Insights Based on Fractal Structures and Surface-Enhanced Raman Scattering," D.A. Weitz, M.Y. Lin, and C.J. Sandroff, *Surf. Sci.* **158**, 147-164 (1985).
40. "High Pressure Conductivity and Structure of HMTSF-TCNQ," H.E. King Jr., S.W. Tozer, D.A. Weitz, C.R. Safinya, J.P. Stokes, A.N. Bloch and D.O. Cowan, *Mol. Cryst. Liq. Cryst.* **120**, 101-104 (1985).
41. "Luminescent and Photochemical Properties of Molecules Near Rough Metal Surfaces," S. Garoff, D.A. Weitz and M.S. Alvarez, *J. Lumin.* **31&32**, 930-938 (1984).
42. "Structural Studies of Microcrystalline Silicon Films Produced by Sputtering," T.D. Moustakas, D.A. Weitz, E.B. Prestridge and R. Freidman, *Mat. Res. Soc. Symp. Proc.* Vol. **38**, 410-407 (1985).
43. "Limits of the Fractal Dimension for Irreversible Kinetic Aggregation of Colloids," D.A. Weitz, J.S. Huang, M.Y. Lin and J. Sung, *Phys. Rev. Lett.* **54**, 1416-1419 (1985).
44. "Surface-Enhanced Raman Scattering with Emphasis on the Liquid-Solid Interface," D.A. Weitz, M. Moskovits and J.A. Creighton, in *Chemistry and Structure at Interfaces: New Laser and Optical Techniques*, ed. R.B. Hall and A. Ellis (VCH Publishers, Deerfield Beach, Fl 1986), pp. 197-243.
45. "Scaling in Colloid Aggregation," D.A. Weitz, M.Y. Lin, J.S. Huang, T.A. Witten, S.K. Sinha, J.S. Gethner and R.C. Ball, in *Scaling Phenomena Disordered Systems*, ed. R. Pynne and A. Skjeltorp (Plenum, 1985) pp. 171-188.
46. "Fractals and Scaling in Kinetic Colloid Aggregation," D.A. Weitz, M.Y. Lin and J.S. Huang, in *Physics of Complex and Supermolecular Fluids*, ed. S.A. Safran and N.A. Clark (Wiley, New York, 1987), pp. 509-549.

47. "Colloidal Crystals," P.M. Chaikin, J.M. DiMeglio, W.D. Dozier, H.M. Lindsay and D.A. Weitz, in *Physics of Complex and Supermolecular Fluids*, ed. S.A. Safran and N.A. Clark (Wiley, New York, 1987), pp. 65-81.
48. "Fractals in Colloid Aggregation," D.A. Weitz, M.Y. Lin, J.S. Huang, S.K. Sinha and J.S. Gethner, in *Multiple Scattering of Waves in Random Media and Rough Surfaces*, ed. V.V. Varadan and V.K. Varadan (Technomic Publishing Co., Lancaster PA, 1985), pp. 29-44.
49. "The Structure of Aggregated Gold Colloids," P. Dimon, S.K. Sinha, D.A. Weitz, C.R. Safinya, G.S. Smith, W.A. Varady and H.M. Lindsay, *Phys. Rev. Lett.* **57**, 595-598 (1986).
50. "Interfacial Instability of Immiscible Displacement in a Porous Media," J.P. Stokes, D.A. Weitz, J.P. Gollub, A. Dougherty, M.O. Robbins, P.M. Chaikin and H.M. Lindsay, *Phys. Rev. Lett.* **57**, 1718-1721 (1986).
51. "Dynamic Scaling of the Cluster Mass Distributions in Kinetic Colloid Aggregation," D.A. Weitz and M.Y. Lin, *Phys. Rev. Lett.* **57**, 2037-2040, (1986).
52. "Fractals and Scaling in Aggregation of Colloids," M.Y. Lin, H.M. Lindsay and D.A. Weitz, in *Sino-Japan Bilateral Workshop on Statistical Physics and Condensed Matter Theory*, ed. Xie Xide (World Scientific Publishing Co., Singapore, 1986), pp. 312-324.
53. "Competition Between Shear Melting and Taylor Instabilities in Colloidal Crystals," J.M. DiMeglio, D.A. Weitz and P.M. Chaikin, *Phys. Rev. Lett.* **58**, 136-139 (1987).
54. "Universal Kinetics in Reaction-Limited Aggregation," R.C. Ball, D.A. Weitz, T.A. Witten and F. Leyvraz, *Phys. Rev. Lett.* **58**, 274-277 (1987).
55. "Optical Properties of Fractal Clusters," Z. Chen, P. Sheng, D.A. Weitz, H.M. Lindsay, M.Y. Lin and P. Meakin, *Proc. of the ILS Symp.*, (1987).
56. "Properties of Fractal Colloid Aggregates," H.M. Lindsay, M.Y. Lin, D.A. Weitz, P. Sheng, Z. Chen, R. Klein and P. Meakin, *J. Chem. Soc. Faraday Disc.* **83**, 153-165, (1987).
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292. “Controlled production of emulsion drops using an electric field in a flow-focusing microfluidic device,” Haejune Kim Dawei Luo, Darren Link, D.A. Weitz Manuel Marquez and Zhengdong Cheng, *Appl. Phys. Lett.*, **91** 133106 (2007).
293. “Colloidal Assembly Route for Responsive Colloidosomes with Tunable Permeability,” Jin-Woong Kim, Alberto Fernández-Nieves, Nily Dan, Andrew S. Utada, Manuel Marquez, and David A. Weitz, *Nano. Lett.*, **7**, 2876 (2007).
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295. “Optical Manipulation and Rotation of Liquid Crystal Drops using High-index Fiber-optic Tweezers,” Kazi Sarwar Abedin, Charles Kerbage, Alberto Fernandez-Nieves, and David A. Weitz, *Appl. Phys. Lett.* **91**, 091119 (2007).
296. “Monodisperse Thermo-responsive Microgels with Tunable Volume-phase Transition Kinetics,” Liang-Yin Chu, Jin-Woong Kim, Rhutesh K. Shah, and David A. Weitz, *Adv. Funct. Mat.*, **17**, 3499 (2007).

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301. “Structural Rearrangements that Govern Flow in Colloidal Glasses,” Peter Schall, David A. Weitz and Frans Spaepen, *Science*, **318**, 1895 (2007).
302. “Highly Responsive Hydrogel Scaffolds by 3-Dimensional Organization of Submicron-sized Microgel Particles,” Eun Chul Cho, Jin-Woong Kim, Alberto Fernández-Nieves, and David A. Weitz, *Nano. Lett.*, **8**, 168 (2008).
303. “Velocity fluctuations in a low-Reynolds-number fluidized bed,” S.-Y. Tee, P. J. Mucha, M. P. Brenner and D. A Weitz, *J. Fluid Mech.* **596**, 467 (2008).
304. “Microscopic origins of nonlinear elasticity of biopolymer networks,” J. Liu, K. E. Kasza, G. H. Koenderink, D. Vader, C. P. Broedersz, F. C. MacKintosh, and D. A. Weitz, *PNAS* submitted (2007).
305. “A quantitative analysis of contractility in active cytoskeletal protein networks,” Poul M. Bendix, Gijsje H. Koenderink, Damien Cuvelier, Zvonimir Dogic, Bernhard Koeleman, William M. Briehar, Christine M. Field, L. Mahadevan, David A. Weitz, *Biophys. J.* **94**, 3126 (2008).
306. “Droplet-Based Microfluidics for Emulsion and Solvent Evaporation Synthesis of Monodisperse Mesoporous Silica Microspheres,” Nick J. Carroll, Shailendra B. Rathod, Erin Derbins, Sergio Mendez, David A. Weitz, and Dimiter N. Petsev, *Langmuir*, **24**, 658 (2008).
307. “Glass Coating for PDMS Microfluidic Channels by Sol-Gel Methods,” Adam R. Abate, Daeyeon Lee, Thao Do, Christian Holtze and David A. Weitz, *Lab on a Chip*, **8**, 516 (2008).
308. “Nonequilibrium Microtubule Fluctuations in a Model Cytoskeleton,” Clifford P. Brangwynne, Gijsje H. Koenderink, Frederick C. MacKintosh, and David A. Weitz, *Phys. Rev. Lett.* **100** 118104 (2008).
309. “Single-layer hydraulics as valves for PDMS microchannels,” A.R. Abate and D.A. Weitz, *Appl. Phys. Lett.* **92**, 243509 (2008).
310. “Controlled encapsulation of single cells into monodisperse picoliter drops,” Jon F Edd, Dino Di Carlo, Katherine J Humphry, Sarah Köster, Daniel Irimia, David A Weitz and Mehmet Toner, *Lab on a chip*, **8**, 1262-1264 (2008).

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PATENTS:

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5. "Electrostatic Steering of Charged Droplets in Microfluidic Devices", Darren Link, David Weitz, Zhengdong Cheng, and Galder Cristobal-Azkarte, US Provisional Filing 8/27/03, PCT/US2004/027912.
6. "Electric Field Mediated Emulsification in a Flow Focusing Microfluidic Device", David Weitz, Darren Link, Manuel Marquez-Sanchez, and Zhengdong Cheng, US Provisional filing 60/461,954 filed 4/10/03, PCT filing designating the US 4/2004, PCT/US2004/010903.
7. "Method and Apparatus for Fluid Dispersion", Howard Stone, Shelley Anna, Darren Link, George Whitesides, Nathalie Bontoux, David Weitz, Willow DiLuzio, Irina Gitlin, and Piotr Garstecki, PCT/US033/20542 filed 6/30/03.
8. "In Vitro Evolution in Microfluidic Systems," David Weitz, Andrew Griffiths, Jerome Bibette, Keunho Ahn and Darren Link, 10/961, 695 filed 10/08/04.
9. "Compartmentalized Screening," David Weitz, Andrew Griffiths, Darren Link and Keunho Ahn, PCT/GB2005/003924.
10. "Compartmentalized Combinatorial Chemistry," David Weitz, Andrew Griffiths, Darren Link and Keunho Ahn, PCT/GB2005/003927.
11. "The Phase Chip" Seth Fraden, Darren Link, David Weitz, Galder C. Azkarate and Jung Shim US Provisional PCT/US2006/034659 filed 9/7/06 – (co-owned with Brandeis University).
12. "Fluidic Droplet Coalescence," David Weitz, Keunho Ahn, Henry Chong, Jeremy Agresti and Darren Link, US Provisional filed January 27, 2006.
13. "Capillary Microfluidic Device for Generating Single and Multiple Emulsions Using Opposing Flow" – US Provisional PCT/US06/007772 filed 3/3/06 – David Weitz, Darren Link
14. "Emulsion Stability" David Weitz, Chanjoong Kim, Yaqian Liu, US regular application 11/449 360 filed 6/08/06, filed by BASF.
15. "New Routes to Stabilizing Inverse Emulsion Droplets in Fluorocarbon Oils," David Weitz, Christian Holtze, Rodrigo Guerra, Jeremy Agresti and Keunho Ahn, US provisional filed 8/07/06.
16. "Synthesis of Nonspherical Colloidal Particles with Anisotropic Properties," David Weitz, Ryan J. Larsen and Jin-Woong Kim, US provisional filed 11/06/06.
17. "Target-locking Confocal Microscope System" US provisional 60/932,396, filed May 31, 2007 – David Weitz, Peter Lu, Peter Sims, James MacArthur and Hidekazr Oki.
18. "Microfluidic drop-templated solid particles" US provisional 60/905,567 filed 03/07/07 – Daid Weitz, Jeremy Agresti, Liang-Yin Chu.

19. “Microfluidics based method to fabricate controlled monodisperse multiple emulsions” US provisional 60/920,574 filed 3/28/07 – David Weitz, Liang-Yin Chu.
20. “Bypass-pot for Biological Assays: Cells, Cells in drops, & Cells in Gels” US provisional field 04/19/07 – David Weitz, Seth Fraden (Brandeis), Yanwei Jei, Hakim Boukellal and Seila Selemoviv.
21. “Ferrofluid Emulsions, Magnetic Particles, and Systems and Methods for Making and Using the Same,” Enric Santanach Carreras, Jerome Bibette, David Weitz, US provisional patent filed 7/07
22. “High-Throughput Method for Biological Applications” US Provisional 3009 US tba filed 7/13/07 – David Weitz, Sarah Koester, Andrew Griffiths, Honey Duan, Elio Angiles
23. “Glass Coating of Microfluidic Channels” US Provisional 60/963,709 filed 8/7/07 – David Weitz, Christian Holtze, Adam Abate, Daeyeon Lee, Thao Do
24. “Magnetic Particles Made from Ferrofluid Emulsions with Microcapillaries” US Provisional 60/966,044 filed 8/24/07 – David Weitz, Jerome Bibette, Enric Santanach-Carreras
25. “A Robust Technique to Manufacture Janus Particles with Tunable Properties” US Provisional 3074tba filed 11/2/07 – David Weitz, Rhutesh Shah, Jinwoong Kim
26. “Highly Responsive Hydrogel Scaffolds by 3-Dimensional Organization of Submicron-sized Microgel Particles” US Provisional 2998 UStba filed 12/18/07 – David Weitz, Jinwoong Kim, Alberto Fernandez-Nieves, En-Chul Cho
27. “Systems and Methods for Nucleic Acid Sequencing,” US Provisional 2998 UStba filed 12/21/07 David A. Weitz, Jeremy Agresti, Michael Weiner, Adam Ross Abate
28. “Droplet Based Microfluidics for Emulsion and Solvent Evaporation Synthesis of Monodisperse Mesoporous Silica Microspheres,” Dimiter Nikolov Petsev, Erin Derbins, David A. Weitz, Sergio Mendez, Shailendra B. Rathod, Nick J. Carroll provisional patent filed through the University of New Mexico. Jan. 2008.
29. “Surfaces, Including Microfluidic Channels, with Controlled Wetting Properties,” Adam R. Abate, Amber T. Krummel, Christian Holtze, and David A. Weitz, US provisional patent filed 3/28/08.
30. “Emulsions and Techniques for Formation,” Liang-Yin Chu, Ho Cheung Shum, Alberto Fernandez-Nieves, Andrew Utada, Enric Santanach Carreras, David A. Weitz, PCT filed 3/28/08, priority to provisional patent 60/920,574, filed 03/28/07 (70292US00)

INVITED TALKS:

Physical Chemistry Seminar, MIT, Boston, MA, Nov. 13, 1979.
 Physics Colloquium, University of Illinois, Chicago IL, April 16, 1980.
 Exxon Surface Science course, Linden NJ, May 1980.
 Surface Science Seminar, Bell Labs, Murray Hill NJ, Oct. 24, 1980.
 Exxon course: Physical Characterization of Solid Materials, Linden NJ, June 11, 1981.
 Optical Society of America Annual Meeting, Kissimmee FL, Oct. 27, 1981.

Physics Colloquium, SUNY, Binghamton NY, Nov. 9, 1981.
Applied Physics Colloquium, Yale University, New Haven CT, Dec. 4, 1981.
Lasers '81 International Conference, New Orleans LA, Dec. 17, 1981.
Seminar, Schlumberger-Doll Research Center, Ridgefield CT, Feb. 9, 1982.
Seminar, University of Kent, Canterbury England, June 17, 1982.
Colloquium, University of Dusseldorf, Dusseldorf Germany, June 21, 1982.
Physics Colloquium, University of Waterloo, Waterloo, Canada, Sept. 30, 1982.
ACS National Meeting, Seattle WA, March 1983.
Physics Colloquium, City College of CUNY, New York, May 11, 1983.
57-th Colloid and Surface Science Symposium, Toronto Canada, June 1983.
Physics Colloquium, Michigan Technological University, Houghton, Mich., Sept. 22, 1983.
APS March Meeting, Detroit MI, March 1984.
Conference on Kinetics of Aggregation and Gelation, Athens GA, April 1984.
Physics Colloquium, SUNY Binghamton NY, April 1984.
Seminar, Bellcore and ATT Bell Labs, Holmdel NJ, May 25, 1984.
Seminar, Fundacion Instituto de Ingenieria, Caracas, Venezuela, Aug. 2, 1984.
International Symposium on Spectroscopic Studies of Adsorbates on Solid Surfaces, Osaka Japan, Sept. 1984.
CECAM Workshop, Orsay France, Sept. 20, 1984.
Seminar, Riso Nat. Lab., Riso, Denmark, Oct. 1, 1984.
Physical Chemistry Seminar, Harvard University, Cambridge, MA, Oct. 24, 1984.
Seminar, University of Toronto, Toronto, Ont. Canada, Jan. 22, 1985.
Seminar, Trinity College, Hartford CT, Feb. 11, 1985.
Seminar, Princeton University, Princeton NJ, March 18, 1985.
Euromech Colloq. on Physics of Dispersions of Small Particles, Cambridge, UK, April 1, 1985.
Seminar, University of Konstanz, Konstanz, West Germany, May 7, 1985.
Seminar, ESPCI, Paris France, May 9, 1985.
Seminar, Centre de Recherche Paul Pascal, CNRS, Bordeaux, France, May 17 1985.
Symposium on Homogeneous and Heterogeneous Nucleation from Fluid Media, Exxon, Annandale NJ, May 22, 1985.
Seminar, Haverford College, Haverford PA, June 12, 1985.
Seminar, RCA, Princeton NJ, June 13, 1985.
International Symposium on Complex Fluids, Exxon, June 20, 1985.
Gordon Conference on Surfaces and Interfaces, NH, July 25, 1985.
Symposium on Multiple Scattering of Waves in Random Media and Random Rough Surfaces, Penn State University, PA, July 29, 1985.
NASA Workshop on Particle Research at Microgravity, Ames Res. Center, CA, Aug. 23, 1985.
ACS National Meeting, Chicago IL, Sept. 12, 1985.
Seminar, Schlumberger Research Center, Ridgefield, Conn., Oct. 22, 1985.
MRS Fall Meeting, Boston MA, Dec. 3, 1985.
Condensed Matter Seminar, University of Chicago, Chicago IL, Jan. 29, 1986.
Physics Colloquium, University of Missouri, Columbia MI, Feb. 5, 1986.
Gordon Conference on Dynamics of Macromolecular and Polyelectrolyte Solutions, Santa Barbara, CA, Feb., 1986.
Condensed Matter Seminar, University of Pennsylvania, Phil. PA, March 4, 1986.
Astrophysics and Radio Astronomy Symposium, Philadelphia PA, June 9, 1986.
Seminar, Oak Ridge National Lab, Oak Ridge, Tenn. July 31, 1986.
STATPHYS 16, Boston MA, Aug 1986.

Gordon Conference on Fractals, NH, Aug. 18, 1986.
 Sigma Xi Lecture, Southern Illinois University, Carbondale IL, Sept. 17, 1986.
 Condensed Matter Seminar, University of Michigan, Ann Arbor MI, Nov. 4, 1986.
 Physics Colloquium, McMaster University, Hamilton, Ont. Canada, Jan. 26, 1987.
 The Metallurgical Society of AIME National Meeting, Denver CO, Feb. 23, 1987.
 March APS meeting, New York, March 18, 1987.
 Faraday Discussion 83, Brownian Motion, Cambridge England, April 7, 1987.
 Seminar, University of Konstanz, Konstanz, West Germany, April 15, 1987.
 Solid State Seminar, Physics Dept., University of British Columbia, Vancouver, BC, Canada,
 Sept. 24, 1987
 Condensed Matter Seminar, Dept. of Physics, City College of New York, NYC Nov. 4, 1987.
 Physics Colloquium, AT&T Bell Labs, Murray Hill, NJ, Nov. 10, 1987.
 Seminar, Max Planck Institute, Grenoble, France, Feb. 24, 1988.
 Conference on Static and Dynamic Light Scattering, Kiel, West Germany, March 3, 1988.
 Seminar, Rutherford Laboratory, England, March 9, 1988.
 Condensed Matter Seminar, Physics Dept., Princeton University, April 5, 1988.
 Seminar, University of Illinois, Urbana, IL April 22, 1988.
 After Dinner Speaker, Society of Physics Students, Rutgers University, May 5, 1988.
 NASA Workshop on Laser Light Scattering in Microgravity, Cleveland OH, Sept. 8, 1988.
 Seminar, Bell Communications Research, Navasink, NJ, Sept. 28, 1988.
 Colloquium, University of Connecticut, Storrs Conn., Oct. 12, 1988.
 Royal Society Discussion: "Fractals in The Physical Sciences," London England, Oct. 19, 1988.
 Physics Colloquium, Boston University, Boston MA, Oct. 26, 1988.
 XVII Winter Meeting on Statistical Physics, Oaxtapec, Mexico, Jan. 5, 1989.
 Colloquium, Centro de Investigacion y de Estudios Avanzados del IPN, Mexico, Jan. 11, 1989.
 Physics Colloquium, Lehigh University, Bethlehem PA, Feb. 9, 1989.
 Fine Particle Society, Boston Ma, Aug. 25, 1989.
 Seminar, Schlumberger Research Center, Ridgefield, Conn., Aug. 29, 1989.
 IV Simposio Nacional de Polimeros, Oaxtapec, Mexico, Sept. 22, 1989.
 Lecture Series, Universidad Autonoma Metropolitana-Iztapalapa, Mexico City, Mexico, Sept.
 28-29, 1989.
 Condensed Matter Seminar, University of Pennsylvania, Philadelphia, PA, Oct. 17, 1989.
 Mathematics in Chemistry Conference, Texas A&M, College Station, TX, Nov. 9, 1989.
 MRS Fall 1989 Meeting, Macromolecular Liquids Symposium, Boston MA, Nov. 28, 1989.
 Condensed Matter Seminar, Princeton University, Princeton, NJ, Jan. 23, 1990.
 Seminar, Dept. of Physics, University of Toronto, Toronto Ont., Canada, Jan. 31, 1990.
 Gordon Conference on Dynamics of Polyelectrolytes and Macromolecules, Oxnard Ca, Feb.
 14, 1990.
 Physics Colloquium, The University of Chicago, Chicago IL, Feb. 23, 1990.
 MRS Spring 1990 Meeting, Physics of Granular Materials, San Francisco, CA, April 18, 1990.
 NASA Microgravity Workshop on Fluids, Cleveland OH, Aug. 8, 1990.
 Condensed Matter Seminar, University of Massachusetts, Amherst MA, Oct. 4, 1990.
 Physics Colloquium, University of California, Riverside, CA, Oct. 11, 1990.
 Seminar, The Sherwin-Williams Company, Cleveland OH, Oct. 29, 1990.
 Condensed Matter Seminar, Boston University, Boston MA, Nov. 5, 1990.
 Condensed Matter Seminar, Ohio State University, Columbus OH, Feb. 7, 1991.
 APS March Meeting, Cincinnati, OH, March 18, 1991.
 Mexican MRS meeting, Mexico City, Mexico, April 9, 1991.

ACS National Meeting, Atlanta, GA, April 18, 1991.
Condensed Matter Seminar, Technion, Haifa, Israel, April 24, 1991.
Physics Colloquium, Tel Aviv University, Tel Aviv, Israel, April 25, 1991.
“Dynamical Processes in Solids” Conference, Jerusalem, Israel, April 29, 1991.
NATO Advanced Study Institute on “Structure and Dynamics of Supramolecular Aggregates and Strongly Interacting Colloids,” Maratea, Italy, June 15, 1991.
Progress in Electromagnetic Research Symposium, Cambridge MA, July, 5, 1991.
Physics Colloquium, Simon Fraser University, Burnaby BC, Canada, July 15, 1991.
Condensed Matter Seminar, Simon Fraser University, Burnaby BC, Canada, July 16, 1991.
Seminar, Shandong Polytechnic University, Jinan, People's Republic of China, Oct. 5, 1991.
Sixth Conference on Light Scattering, Huangshan, People's Republic of China, Oct. 15, 1991.
Seminar, Fudan University, Shanghai, People's Republic of China, Oct. 19, 1991.
Seminar, Wuhan University, Wuhan, People's Republic of China, Oct. 23, 1991.
Seminar, Zhongshan University, Guandong, People's Republic of China, Oct. 25, 1991.
MRS Fall 1991 Meeting, Disordered Materials, Boston, MA, Dec. 5, 1991.
ACS National Meeting, San Francisco, CA, April 8, 1992.
James Franck Institute Seminar, University of Chicago, Chicago IL, April 14, 1992.
Physics Colloquium, Wesleyan University, Middletown, CT, April 30, 1992.
NATO Advanced Research Workshop on “Localization and Propagation of Classical Waves in Random and Periodic Structures, Crete, May 26, 1992.
Physics Seminar, University of Milan, Milan, Italy, June 29, 1992.
Physics Seminar, ETH, Zurich, Switzerland, June 30, 1992.
Physics Seminar, University of Konstanz, Konstanz, Germany, July 2, 1992.
Workshop on “Complex Liquid Systems,” Polistena, Italy, July 9, 1992.
Lecture Course, Escuela Latinoamericana de Fisica, “Dynamics of Disordered and Nonlinear Systems,” Mexico City, Mexico, July 20-24, 1992.
Seminar, Institute for Environmental Chemistry, National Research Council of Canada, Ottawa Canada, Oct. 14, 1992.
Lecture Series, Dept. of Physics, James Franck Institute, The University of Chicago, Chicago, IL, Oct. 27-Nov. 6, 1992.
Condensed Matter Seminar, Dept. of Physics, City College of New York, NYC Feb. 3, 1993.
Conference on Static and Dynamic Light Scattering, Fehmarn, Germany, March 2, 1993.
European Physical Society Condensed Matter Meeting, Regensburg, Germany, March 29, 1993.
Seminar, CEA, Saclay, France, April 6, 1993
Seminar, Centre de Recherche Paul Pascal, Bordeaux, France, April 12, 1993.
Complex Fluids Lecture, Princeton University, Princeton, NJ, April 29, 1993.
Engineered Porous Materials, Expo 93, Albuquerque, NM, May 5, 1993.
ACS Colloid and Surface Science Symposium, Toronto, Ont. Canada, June 21, 1993.
First US-Mexico Meeting on Complex Fluids, San Louis Potosi, Mexico, July 27, 1993.
Condensed Matter Seminar, University of Pennsylvania, Philadelphia, PA, Oct. 12, 1993.
Statistical Physics Seminar, Institute of Physical Science and Technology, University of Maryland, College Park, MD, March 1, 1994.
Condensed Matter Seminar, University of Pennsylvania, Philadelphia, PA, March 15, 1994.
APS March Meeting, Pittsburgh, PA, March 24, 1994.
Physics Colloquium, University of Oregon, Eugene OR, April 14, 1994.
Materials Science Seminar, University of Oregon, Eugene OR, April 14, 1994.
Second NASA Conference on Fluid Physics, Cleveland, OH, June 23, 1994.
First International Conference on Scaling and Complex Fluids, Catanzaro, Italy, July 7, 1994.

Seminar, Department of Physics, University of Konstanz, Konstanz, Germany, July 11, 1994.
 Seminar, Institute de Charles Sadron, Strasbourg, France, July 13, 1994.
 Seminar, Dept. of Physics, Carnegie Mellon University, Pittsburgh, PA, July 21, 1994
 ITP Workshop on Biomolecular Materials, UCSB, Santa Barbara, CA, Aug. 24, 1994.
 Condensed Matter Seminar, Dept. of Physics, Princeton University, Princeton, NJ, Oct. 31, 1994
 Physics Colloquium, University of Michigan, Ann Arbor MI, Nov. 2, 1994.
 Physics Colloquium, University of Pennsylvania, Philadelphia, PA, Nov. 16, 1994.
 Physics Colloquium, University of California, San Diego, Nov. 17, 1994.
 Condensed Matter Seminar, Rockefeller University, New York, NY, Feb. 13, 1995.
 Condensed Matter Seminar, Dept. of Physics, City College of New York, NYC, Mar. 1, 1995.
 Condensed Matter Seminar, Dept. of Physics, Technion, Haifa, Israel, May 21, 1995.
 Condensed Matter Seminar, Dept. of Chemical Physics, Weizmann Institute of Science, Rehovot, Israel, May 22, 1995.
 Colloquium, Dept. of Chemistry, Tel Aviv University, Tel Aviv, Israel, May 25, 1995.
 Condensed Matter Seminar, Dept. of Physics, University of Messina, Italy, June 1, 1995.
 Gordon Conference on Condensed Matter Physics, Wolfboro NH, July 10, 1995.
 Int. Conference on Complex Fluids and Monte Carlo Methods, Hong Kong, July 27, 1995.
 Gordon Conference on Physics and Chemistry of Liquids, Plymouth NH, Aug. 11, 1995.
 Seminar, National Institutes of Health, Bethesda MD, Aug. 30, 1995.
 Physics Colloquium, Southern Illinois University, Carbondale, IL, Sept. 8, 1995.
 Horizons in Small Angle Scattering from Mesoscopic Systems, Stromboli, Italy, Sept. 29, 1995.
 Condensed Matter Seminar, Harvard University, Cambridge, MA, Oct. 29, 1995.
 MRS Fall 1995 Meeting, Disordered Materials, Boston, MA, Nov. 27, 1995.
 European Colloid Network Meeting, Konstanz, Germany, Nov. 30, 1995.
 Condensed Matter Seminar, University of Milan, Milan, Italy, Dec. 5, 1995.
 Gordon Conference on Colloids and Macromolecules, Ventura, CA, Feb. 15, 1996.
 Third NASA Conference on Fluid Physics, Cleveland, OH, June 13, 1996.
 Plenary Lecture, Third NASA Conference on Fluid Physics, Cleveland, OH, June 15, 1996.
 Annual Meeting of the Canadian Association of Physicists, Ottawa, Canada, June 16, 1996.
 Workshop on Elasticity of Packing, Technion University, Haifa, Israel, June 24, 27, 1996.
 NATO Advanced Research Workshop on "Photon Correlation Spectroscopy," Krakow, Poland, Aug. 29, 1996.
 International Workshop on Optical Methods and the Physics of Colloidal Dispersions, Mainz, Germany, Sept. 30, 1996.
 "Soft Condensed Matter," 20th Gwatt Workshop, Gwatt, Switzerland, Oct. 3, 1996.
 Condensed Matter Seminar, University of Delaware, Newark, DE, Oct. 29, 1996.
 Physics Colloquium, University of Manitoba, Winnipeg MANN, Jan. 10, 1997.
 Frontiers of Science Lecture, LRSM, University of Pennsylvania, Philadelphia PA, Jan. 24, 1997.
 Seminar, Dept. of Mechanical Engineering, University of Delaware, Newark, DE, Mar. 10, 1997
 APS March Meeting, Kansas City, MI, March 19, 1997.
 Statistical Physics Meeting, Rutgers University, New Brunswick, NJ, May 18, 1997.
 ACS Colloid and Surface Science Meeting, University of Delaware, Newark, DE, July 1, 1997.
 Gordon Conference on Condensed Matter Physics, Tilton NH, July 6, 1997.
 ITP Workshop on Jamming and Rheology, UCSB, Santa Barbara, CA, Aug. 25, 1997.
 Princeton Materials Institute, Colloquium, Princeton University, Princeton, NJ Oct. 1, 1997.
 ITP Conference, Jamming and Rheology, UCSB, Santa Barbara, CA, Oct. 14, 1997.
 Colloquium, Physics Dept., Temple University, Philadelphia, PA, Nov. 17, 1997.

Condensed Matter Seminar, Physics Dept., Brown University, Providence, RI, Nov. 20, 1997.
 MRS Fall 1997 Meeting, Complex Fluids and Biomaterials, Boston, MA, Dec. 1, 1997.
 Seminar, Levich Institute, City College of CUNY, NYC, NY, Dec. 9, 1997.
 Condensed Matter Seminar, Physics Dept., Princeton University, Princeton, NJ Dec. 15, 1997.
 Lecture series, Polymer Institute, ETH, Zurich Switzerland, Jan. 5, 6, 1998.
 Condensed matter Seminar, Harvard University, Cambridge, MA, Jan 30, 1998.
 Condensed matter Seminar, Lehigh University, Bethlehem, PA, Feb. 12, 1998
 Princeton Materials Institute, Seminar, Princeton University, Princeton, NJ March. 24, 1998.
 Seminar, Dept. of Chemical Engineering, University of Florida, Gainesville, FL, April 13, 1998.
 Gordon Conference on "Complex Fluids," Barga, Italy, May 7, 1998.
 Biophysics Seminar, Technical University of Munich, Munich, Germany, May 11, 1998.
 Seminar, University of Mainz, Mainz, Germany, May 13, 1998.
 Materials Science Summer Institute on Complex Fluid Materials, Lakewood, NJ, Aug, 1998
 Condensed Matter Seminar, John Hopkins University, Baltimore, MA, Sept. 25, 1998.
 Towa Symposium on "Slow Dynamics in Complex Systems," Fukuoka, Japan, Nov. 12, 1998.
 PBS Video Teleconference, WHRO, Norfolk VA, Feb. 25, 1999
 Colloquium, Physics Dept., University of Florida, Gainesville, FL, Mar. 4, 1999.
 International Workshop on Colloids and Surfaces, Leiden, Holland, Mar. 15, 1999.
 Centennial Speaker, APS March meeting, Atlanta, GA, Mar. 24, 1999.
 Condensed Matter Seminar, Cornell University, Ithaca, NY, April 13, 1999.
 Swiss-German Colloid Society Meeting, Basel, Switzerland, April 24, 1999.
 Physics Colloquium, University of Konstanz, Konstanz, Germany, April 27, 1999.
 Physics Colloquium, University of Fribourg, Fribourg, Switzerland, April 26, 1999.
 Gordon Conference on Condensed Matter, New London, CT, June 12, 1999.
 Gordon Conference on Polymer Colloids, Tilton, NH, June 28, 1999.
 Plenary Lecture, IV th International Conference on Liquids, Granada, Spain, July 5, 1999.
 UCSB Complex Fluids Conference in honor of Fyl Pincua, Santa Barabara, CA, Aug. 23, 1999.
 European Workshop on Soft Condensed Matter Physics, Dublin, Ireland, Sept. 17, 1999
 "Linking Different Length Scales in Macromolecular Systems," Max-Planck Institute, Dresden,
 Germany, Sept. 20, 1999.
 International Conference on "Optics of Liquid Crystals," San Juan, Puerto Rico, Sept. 30, 1999.
 Seminar, South African Pulp and Paper Inc, South Portland, Maine, Oct. 20, 1999.
 Colloquium, Dept. of Chemical Engineering, Columbia University, NYC, Oct 22, 1999.
 Seminar, Dept. of Mechanical Engineering, MIT, Cambridge, MA, Nov. 1, 1999.
 Seminar, Rockefeller University, New York, NY, Dec. 8, 1999.
 NanoTeK Meeting, Kraft Foods, Chicago, IL, Jan. 18, 2000.
 Gordon Conference on Colloids and Polyelectrolytes, Ventura, CA, Feb. 8, 2000.
 APS March Meeting, Minneapolis, MN, March 20, 2000.
 Seminar, Dept of Polymer Science and Engineering, University of Massachusetts, Amherst, MA,
 March 31, 2000.
 Presentation to the Friends of the DEAS, Harvard, University, Cambridge, MA, April 12, 2000.
 Seminar, Liquid Crystal Institute, Kent State University, Kent OH, April 12, 2000.
 Colloquium, Carnegie Mellon University, Pittsburgh, PA, April 17, 2000.
 Seminar, JASON meeting, Washington, DC, April 29, 2000.
 Seminar, Unilever, Port Sunlight, Manchester, UK, May 18, 2000.
 Seminar, Firmenich, Geneva, Switzerland, May 31, 2000.
 Canadian Association of Physicists, Annual Meeting, Toronto, Ont. Canada, June 5, 2000.
 Annual Meeting, Center for Nonlinear Science, Los Alamos, NM, June 7, 2000.

Panel Discussion, Complex Fluids, ASME Meeting, Boston, MA, June 13, 2000.
Colloquium, Aspen Center for Physics, Aspen, CO, June 30, 2000
Lecture Series, XIII Symposium on Complex Fluids, San Luis Potosi, Mexico, July 17-19, 2000.
NASA Conference on Fluid Physics, Cleveland, OH, Aug. 10, 2000.
Modern Optics and Spectroscopy seminar, MIT, Cambridge, MA, Oct. 10, 2000.
Colloquium, Northeastern University, Boston, MA, Oct. 11, 2000.
Greater Boston Statistical Mechanics Meeting, Waltham, MA, Oct. 14, 2000.
Colloquium, Boston University, Boston, MA, Oct. 17, 2000.
Seminar, Firmenich, Princeton, NJ, Oct. 27, 2000.
Colloquium James Franck Institute, University of Chicago, Chicago, IL, Oct. 31, 2000.
AIChE Annual Meeting, Los Angeles, CA, Nov. 13, 2000.
Seminar, Sandia National Labs, Albuquerque, NM, Nov. 15, 2000.
Colloquium, University of Colorado, Boulder, CO, Nov. 29, 2000.
Colloquium, University of Arizona, Tucson, AR, Dec. 1, 2000.
Seminar, Unilever, Edgewater, NJ, Dec. 11, 2000.
Workshop on Multiple Scattering Probes of Random Media, Marne-la-Valle, France, Jan. 19, 2001.
Seminar, Colgate-Palmolive, Piscataway, NJ, Jan. 24, 2001.
Particles 2001, Orlando, FL, Feb. 26, 2001.
Physical Chemistry Seminar, Harvard University, Cambridge, MA, March 8, 2001.
Physics Colloquium, University of Massachusetts, Amherst, MA, April 4, 2001.
Symposium on Self-Assembly, University of Chicago, Chicago, IL, April 20, 2001.
Physics Colloquium, University of Massachusetts, Lowell, MA, May 9, 2001.
Physics of Soft Matter, Santa Fe, NM, May 22, 2001.
Physics Colloquium, Max Planck Institute for Polymers, Mainz, Germany, June 5, 2001.
Plenary Lecture, ACS Colloid and Surface Science Meeting, CMU, Pittsburgh, June 13, 2001.
Lectures Boulder Summer School on Condensed Matter Physics, July 5, 2001.
Public Lecture, Boulder Summer School on Condensed Matter Physics, July 5, 2001.
Plenary Lecture, STATPHYS, Cancun Mexico, July 20, 2001.
Lecture, Applied Statistical Physics: Molecular Engineering, Cancun Mexico, July 23 2001.
Liquid Gordon Conference, Plymouth, NH, Aug. 8, 2001.
Twentieth Anniversary Conference on DLA, Ann Arbor, MI, Aug. 10, 2001.
Colloquium, Department of Physics, MIT, Cambridge, MA, Sept. 27, 2001.
Colloquium, Department of Physics, Brown University, Providence, RI, Oct. 1, 2001.
Plenary Lecture, ISS Utilization Conference, Cape Canaveral, FL, Oct. 15, 2001.
Colloquium, Dept. of Chemical Engineering, Yale University, New Haven, CT, Oct. 31, 2001.
APS NE Regional Meeting, Keene, NH, Nov. 3, 2001.
Seminar, Cabot Corp., Billerica, MA, Nov. 28, 2001.
Colloquium, ExxonMobil Corporate Research Lab, Annandale, NJ, Dec. 3, 2001.
Fundamentals of Fluid Flow 2001, Cambridge University, Cambridge, UK, Dec. 13, 2001.
Colloquium, Hahn-Meitner Institute, Free University of Berlin, Berlin, Germany, Dec. 17, 2001.
Berkeley Mini Stat-Mech Meeting, University of California, Berkeley, CA, Jan 12, 2002.
Seminar, W.R. Grace Corp., Cambridge, MA, Jan. 18, 2002.
Colloquium, Dept. of Physics, Johns Hopkins University, Baltimore MD, Feb. 7, 2002.
Bayer Distinguished Lecture, Dept. of Chemical Engineering, U. Pittsburgh, Feb 13, 14, 2002.
Lecture, Corporate Research Review, Unilever, Liverpool, UK, Feb. 15, 2002.
International Workshop of Polymers at Interfaces, Oud Poelgeest, Holland, March 23, 2002.

Micro to Macromechanics of Hierarchical Living Materials and Technical Structures, Bad Honnef, Germany, Mar. 26, 2002.

Lecture, Course on Rheology, Colgate-Palmolive, Piscataway, NJ, April 12, 2002.

Gordon Conference, "Surfaces and Interfaces," New London, CT, July 9, 2002.

"Preparation and Properties of Aqueous Polymer Dispersions," Irsee, Germany, July 16, 2002.

Gordon Conference, "Polymer Physics," Newport, RI, Aug. 12, 2002.

6th NASA Fluid Physics Conference, Cleveland, OH, Aug. 14, 2002.

ACS National Meeting, Boston, MA, Aug. 20, 2002

Taiwan Summer School on Soft Condensed Matter, Taipei, Taiwan, Aug. 26-30, 2002

Physical Chemistry Review Meeting, Firmenich, Geneva, Switzerland, Sept. 3, 2002.

Sir Eric Rideal Lecture, Faraday Discussions 123, Nonequilibrium Properties of Colloidal Dispersions, Edinburgh, Scotland, Sept. 9, 2002.

Second International Rhodia Conference, Bristol, UK, Sept. 19, 2002.

Seminar, University of Montpellier II, Montpellier, France, Sept. 23, 2002.

Introductory Plenary Lecture, 3rd World Congress on Emulsions, Lyon, France, Sept. 24, 2002.

Royal Society Discussions "Slow Dynamics in Complex Systems," London, UK, Sept. 26, 2002.

Colloquium, Physics Department, University of Washington, Seattle, WA, Oct. 14, 2002.

Condensed Matter Seminar, Physics Department, University of Washington, Seattle, WA, Oct. 15, 2002.

Seminar, Proctor and Gamble, Cincinnati OH, Oct. 30, 2002.

US-Korean Soft Condensed Matter Physics Meeting, Taejon, Korea, Nov. 3, 2002.

Colloquium, Dept. of Chemical Engineering, University of Wisconsin, Madison, WI, Nov. 12, 2002.

Seminar, Syncrude, Edmonton, Canada, Nov. 15, 2002.

Seminar, University of Amsterdam, Amsterdam, Holland, Dec. 12, 2002.

Colloquium, Dept. of Chemical Engineering, UCSB, Santa Barbara, CA, Jan. 8, 2003.

Seminar, IEEE-EMBS monthly meeting, MIT, Cambridge, MA, Jan. 15, 2003.

Colloquium, Dept. of Physics, Iowa State University, Ames, IA, Jan. 27, 2003.

Read Lecture, Dept. of Materials Science and Engineering, University of Illinois, Urbana-Champaign, IL, Feb. 10, 2003.

Colloquium, Dept. of Physics, UCLA, Los Angeles, CA, Feb. 13, 2003.

March Meeting, American Physical Society, Austin, TX, Mar. 5, 2003.

International Workshop on Disordered Systems, Andalo, Italy, Mar. 11, 2003.

CMR Annual Workshop, Michigan State University, East Lansing, MI, Mar. 31, 2003.

Workshop on Soft X-ray Scattering, University of British Columbia, Vancouver, April 4, 2003.

Sydney Ross Lecture, Dept. of Chemistry, Rensselaer Institute of Technology, Troy, NY, April 15, 2003

Seminar, Materials Science Dept., University of New Hampshire, Durham, NH, April 17, 2003.

Colloquium, Dept. of Materials Science and Engineering, Northwestern University, Evanston, IL, April 22, 2003.

Colloquium, Dept. of Physics, Stanford University, Palo Alto, CA, April 29, 2003

Seminar, Pfizer, Groton, CT, May 2, 2003.

Bertman Lecture, Dept. of Physics, Wesleyan University, Middlebury, CT, May 8, 2003.

Seminar, CUMP, UMass Amherst, Amherst, MA, May 14, 2003.

Seminar, Philip Morris, Richmond, VA, June 3, 2003.

Seminar, Colgate-Palmolive, Piscataway, NJ, June 16, 2003.

Workshop on "Unifying concepts in granular media and glasses," Capri, Italy, June 25, 2003.

Seminar, Colloid Chemistry Division, BASF, Ludwigshafen, Germany, June 30, 2003.

Seminar, Polymer Physics Division, BASF, Ludwigshafen, Germany, July 1, 2003.
Gordon Research Conference, "Chemistry of Supramolecules and Assembly," Andover, NH, July 6, 2003.
Gordon Research Conference, "Gravitational Effects in Physico-Chemical Systems," New London, CT, July 29, 2003.
Workshop on "Self-Assembly in biology, chemistry and hard materials," Argonne National Lab, Argonne, IL, Aug. 1, 2003.
Seminar, Unilever Workshop on Optics of the Skin, Tenefly, NJ, Aug. 19, 2003.
European Science Foundation Workshop on Dispersions of Liquid Crystals, Bled, Slovenia, Aug. 28, 2003.
Seminar, ESPCI, Paris, France, Sept. 9, 2003.
Seminar, ESPCI, Paris, France, Sept. 11, 2003.
Condensed Matter Seminar, Dept. of Physics, Syracuse University, Syracuse, NY, Oct. 3, 2003.
Combinatorial Methods Conference, NIST, Gaithersburg, MD, Oct. 6, 2003.
Physical Chemistry Seminar, MIT, Cambridge, MA, Oct. 21, 2003.
Heraeus Workshop, "Fibers in Materials and Biology," Ravensburg, Germany, Oct. 28, 2003.
Conference on Slow Dynamics, Sendai, Japan, Nov. 3, 2003.
AIChE Annual Meeting, San Francisco, CA, Nov. 17, 2003.
Seminar, Center for Complex Materials, Northeastern University, Nov. 24, 2003.
Workshop on "Gelation of Weakly Attractive Colloidal Particles," Messina, Italy, Dec. 20, 2004.
Seminar, Dept. of Materials Science, UCSB, Santa Barbara, CA, Jan. 7, 2004.
Seminar, Proctor and Gamble, Cincinnati, OH, Jan. 13, 2004.
Seminar, Dept. of Biomedical Engineering, Tufts University, Medford, MA, Jan. 23, 2004.
Seminar, Institute for Medicine and Engineering, The University of Pennsylvania, Philadelphia, PA, Jan. 27, 2004.
Gordon Conference on Colloids and Polyelectrolytes, Ventura, CA, Feb. 2, 2004.
Seminar, Dept. of Chemical Engineering, Princeton University, Princeton, NJ, Feb. 11, 2004
Colloquium, Dept. of Physics, New York University, New York, NY, Feb. 12, 2004.
Seminar, "Symposium on Nanotechnology," Colgate-Palmolive, Piscataway, NJ, Feb. 17, 2004.
Colloquium, Dept. of Chem Eng., Johns Hopkins University, Baltimore, MD, Mar. 4, 2004.
Plenary Lecture, Particles 2004, Orlando, FL, Mar. 8, 2004.
Morrison Lectures, Materials Science Institute, McMaster University, Hamilton, ON, Canada, Mar. 14, 15, 2004.
Colloquium, Dept. Of Physics, McMaster University, Hamilton, ON, Canada, Mar. 16, 2004.
Chemical Biophysics Symp., University of Toronto, Toronto, ON, Canada, Mar. 21, 2004.
Colloquium, Dept. of Physics, University of Twente, Enschede, Holland, Mar. 31, 2004.
Colloquium, Dept. of Physics, The Ohio State University, Columbus, OH, April 6, 2004.
Colloquium, Dept. of Physics, University of Waterloo, Waterloo, ON, Canada, April 8, 2004.
MRS Spring Meeting, San Francisco, CA, April 12, 2004
Seminar, Schlumberger Research Labs, Ridgefield CT, April 19, 2004.
Workshop on Electrostatic Interactions and Biophysics, University of Minnesota, Minneapolis, MN, April 30, 2004
Seminar, Division of Engineering, Brown University, Providence, RI, May 4, 2004
Colloquium, Dept. of Physics, Ohio University, Athens, OH, May 14, 2004
Conference on Space and Time in Cells, University of Warwick, Coventry, UK, May 24, 2004
Special Symposium on Chemical Physics, Tel Aviv University, Tel Aviv, Israel, June 1, 2004
Miller Institute for Basic Research Annual Workshop, Tomales Bay, CA, June 5, 2004.
Summer school on Nanoparticles, Eastern Michigan University, Ypsilanti, MI, June 7, 2004.

Summer school on Nanoparticles, Eastern Michigan University, Ypsilanti, MI, June 8, 2004.
Gordon Conference, "Interfacial Water in Cell Biology," Holyoke, MA, June 9, 2004.
XIX Sitges Conference, "Jamming, Yielding and Irreversible Deformation in Condensed Matter," Sitges, Barcelona, Spain, June 18, 2004.
ACS Colloids Meeting, Yale University, New Haven, CT, June 21, 2004.
Nestlé Research Center, Vers Chez-le-Blanc, Lausanne, Switzerland, June 23, 2004.
Indira Gandhi Center for Atomic Research, Kalpakkam, India, June 25, 2004.
Unifying Concepts in Glass Physics III, Bangalore, India, June 28, 2004.
Workshop on "Frontiers in Correlated Matter," Aspen, CO, Aug. 5, 2004.
OSA Meeting of Photon Correlation Spectroscopy, Amsterdam, Holland, Aug. 18, 2004.
ACS National Meeting, Philadelphia, PA, Aug. 26, 2004
Seminar, IMP, Mexico City Sept. 2, 2004
Seminar, Institute of Physics, UNAM, Mexico City, Sept. 3, 2004
Colloquium, Dept. of Physics, Lehigh University, Bethlehem, PA, Sept. 9, 2004
Seminar, Dept. of Chemistry, University of Geneva, Switzerland, Sept. 16, 2004
Seminar, Firmenich, Geneva, Switzerland, Sept. 17, 2004
Plenary Lecture, European Colloid and Interface Society, Almeria, Spain, Sept. 20, 2004
Seminar, CRPP, Bordeaux France, Sept. 27, 2004
Colloquium, Dept. of Physics, Arizona State University, Tempe, AR, Sept. 30, 2004
Cell Mechanics Meeting, MIT, Cambridge, MA, Oct. 8, 2004
13th Ostwald Symposium, BASF, Ludwigshaven, Germany, Oct. 15, 2004
Colloquium, Dept. of Physics, University of Chicago, Chicago, IL, Oct. 20, 2004
Colloquium, Dept. of Chem. Engineering, University of California, Berkeley, CA, Oct. 27, 2004
Colloquium, Dept. of Physics, Technical University of Munich, Munich, Germany, Nov. 8, 2004
Lecture series, Physics Dept., University of Amsterdam, Amsterdam, Holland, Nov. 25, 2004
Seminar, Dept. of Physics, Institut Curie, Paris, France, Dec. 9, 2004.
Seminar, ESPCI, Paris, France, Dec. 10, 2004.
Seminar, ESPCI, Paris, France, Dec. 14, 2004.
Colloquium, TIFR, Mumbai, India, Dec. 17, 2004.
Indo-US Workshop on Collaborations and Networking in Materials, Pune, India, Dec. 20, 2004.
Dynamics Days, Long Beach, CA, Jan. 7, 2005.
Colloquium, Dept. of Chemistry, University of California, Berkeley, Jan. 18, 2005.
Colloquium, Dept. of Physics, McGill University, Montreal, PQ, Canada, Jan. 28, 2005.
Colloquium, Dept. of Chemical Engineering, Notre Dame, South Bend, IN, Feb. 8, 2005.
Colloquium, Dept. of Chemical Engineering, Univ. of Michigan, Ann Arbor, MI, Feb. 10, 2005.
Plenary Lecture, Society of Rheology Annual Meeting, Lubbock, TX, Feb. 16, 2005.
Seminar, Avon, Suffern, NY, Feb. 18, 2005.
German Physical Society Meeting, Berlin, Germany, Mar. 5, 2005.
Seminar, Unilever, Port Sunlight, UK, Mar. 7, 2005.
Colloquium, Dept. of Chemical Engineering, CalTech, Pasadena, CA, Mar. 10, 2005.
ACS National Meeting, Surfactant Self-Assembly, San Diego, CA, Mar. 14, 2005.
ACS National Meeting, Colloid Self-Assembly, San Diego, CA, Mar. 16, 2005.
ACS National Meeting, Nanotechnology in Food, San Diego, CA, Mar. 17, 2005.
Lecture series, University of Amsterdam, Amsterdam, Holland, Mar. 21-23, 2005.
Ehrenfest Colloquium, University of Leiden, Leiden, Holland, Mar. 23, 2005.
Colloquium, University of Wageningen, Wageningen, Holland, Mar. 24, 2005.
Seminar, Georgia Institute of Technology, Atlanta, GA, April 28, 2005.
Colloquium, Emory University, Atlanta, GA, April 29, 2005.

96th American Oil Chemists Society Annual Meeting, Salt Lake City, UT, May 2, 2005
MRSEC seminar, University of California, Santa Barbara, May 3, 2005.
Plenary Talk, Altria INEST meeting, Williamsburgh, VA, May 17, 2005.
Plenary Talk, Cabot meeting, Portsmouth, NH, June 7, 2005.
International Fine Particle Research Institute Annual Meeting, Harrogate, UK, June 12, 2005.
Gordon Conference, "Condensed Matter," New London, CT, June 20, 2005.
Gordon Conference, "Thin Films and Crystal Growth," New Hadley, MA, June 30, 2005.
Gordon Conference, "Physics and Chemistry of Liquids," Holderness, NH, July 24, 2005.
Seminar, Rohm and Haas, Philadelphia, PA, Aug. 4, 2005.
Gordon Conference, "Cellular Osmoregulation," Newport, RI, Aug. 11, 2005.
Gordon Conference, "Microfluidics," Oxford, UK, Aug. 22, 2005.
Summer School, "Physics of Life", Copenhagen, Denmark, Aug 25, 2005.
Seminar, NICT, Tokyo, Japan, Sept. 5, 2005.
Seminar Kao Company, Osaka, Japan Sept. 8, 2005.
Colloquium, Physics Department, Boston University, Sept. 13, 2005.
Seminar, Arkema, Philadelphia, PA, Sept. 21, 2005.
Applied Math Colloquium, University of North Carolina, Chapel Hill, NC, Sept. 30 2005.
Seminar, TransFormPharma, Lexington, MA, Oct. 5, 2005.
NE APS Fall Meeting, Burlington, VT., Oct. 15, 2005.
Seminar, Proctor and Gamble, Cincinnati OH, Nov. 9, 2005.
Fall MRS meeting, Boston, MA, Nov. 28, 2005.
NEPTIS 14 meeting, Hanekone, Japan, Dec. 5, 2005.
Seminar, ICI Co, Wilton Center, Dec. 9, 2005.
Keynote Lecture, "New Developments in Emulsions & Foams," Manchester, UK, Dec. 12, 2005.
Before Dinner Lecture, Dutch Physical Society Meeting, Veidhoven, Holland, Dec. 13, 2005.
Lecture, Workshop on Multiscale Modelling and Microfluidics," Hong Kong, Jan. 11, 2006.
Colloquium, MS & E Dept, Cornell University, Ithaca, NY, Jan 26, 2006.
Colloquium, Dept. of Physics, Cornell University, Ithaca, NY, Feb. 6, 2006.
Seminar, Dept. of Chemical Engineering, University of Rochester, Rochester, NY, Feb. 8, 2006.
Seminar, BASF, Ludwigshafen, Germany, Feb. 10, 2006.
Minerva Winter School, Weizmann Institute of Science, Rehovot, Israel, Feb. 17, 2006.
Colloquium, Dept. of Physics, Vanderbilt University, Nashville, TN, Feb. 23, 2006.
Seminar, Center for Genomics Research, Harvard University, Cambridge, MA, Mar. 1, 2006.
Seminar, National Starch Company, Bridgewater, NJ, Mar. 6, 2006.
Materials Council Seminar, MS&E, Georgia Institute of Technology, Atlanta, GA, Mar. 7, 2006.
Colloquium, Physics Department, University of Massachusetts, Lowell, March 8, 2006.
Katzir Symposium on Biophysics, Eilat, Israel, March 20, 2006.
Distinguished lecture on Soft Matter, Advanced Food Materials Network, Guelph University,
Guelph, ON, Canada, March 30, 2006.
Seminar, Department of Physics, Guelph University, Guelph, ON, Canada, March 31, 2006.
Engineering Foundation Endowed Lectureship, Dept. of Chemical Engineering, University of
Texas, Austin, TX, April 4, 2006.
Seminar, Department of Anatomy and Structural Biology, Albert Einstein College of Medicine,
Bronx, NY, April 12, 2006.
Distinguished Lecturer, Dept. of Chemical Engineering, Penn State University, State College,
PA, April 20, 2006.
School on Colloids in Biology and Medicine, Les Houches, France, April 24, 2006.
Food Colloids Conference, Montreux, Switzerland, April 25, 2006.

Seminar, Chevron Oronite Co., Richmond, CA, May 25, 2006.
Nanotechnology in Food, Food Research Institute, University of Wisconsin, Madison, WI, June 13, 2006.
ACS Colloid Meeting, University of Colorado, Boulder, CO, June 20, 2006.
Conference on Theoretical and Applied Mechanics, University of Colorado, Boulder, CO, June 30, 2006.
Lecture series, Summer School on Condensed Matter Physics, University of Colorado, Boulder, CO, July 5, 6, 7, 2006.
Plenary Lecture, International Workshop on Liquid Crystals, Erice, Italy, July 20, 2006.
Gordon Conference on Membranes and their Applications, New London, NH, Aug. 8, 2006.
Joint NCBS-JNCARS-Harvard symposium, Bangalore, India, Aug. 11, 2006.
Seminar, NCBS, Bangalore, India, Aug. 14, 2006.
Summer School on Soft Matter, Cargese, Corsica, France, Oct. 7, 2006.
Jean Perrin Lecture, Institut Curie, Paris, France, Oct. 24, 2006.
Seminar, ISIS, Strassbourg, France, Oct. 25, 2006
Seminar, CRPP, Bordeaux, France, Oct. 26, 2006.
Seminar, University of Montpellier, Montpellier, France, Oct. 27, 2006.
Seminar, Dept. of Chemical Engineering, CCNY, NYC, Nov. 6, 2006.
Workshop on Polymorphism in Physics, Dresden, Germany, Nov. 13, 2006
Colloquium, Dept. of Biophysics and Biochemistry, UCSF, San Francisco, CA, Jan. 11, 2007.
Colloquium, Dept. of Physics, Worcester Polytechnic University, Worcester, MA, Jan. 15, 2007
International Symposium on Single-Molecule Biophysics, University of Copenhagen, Copenhagen, Denmark, Jan. 23, 2007.
Colloquium, Dept. of Physics, Tulane University, New Orleans, LA, Jan. 30, 2007.
Colloquium, Dept. of Chemistry, Louisiana State University, Baton Rouge, LA, Jan. 31, 2007.
Seminar, Dept. of Chem Eng, National University of Singapore, Singapore, Feb. 20, 2007
Seminar, Biopolis, Singapore, Feb. 27, 2007
Seminar, Dept. of Physics, Old Dominion University, Norfolk, VA, Mar. 20, 2007
Colloquium, Dept. of Physics, Old Dominion University, Norfolk, VA, Mar. 21, 2007
Colloquium, Dept. of Physics, Duke University, Durham, NC, April 4, 2007
Seminar, Dept. of Physics, Duke University, Durham, NC, April 5, 2007
Plenary Talk, Spring meeting, Materials Research Society, San Francisco, CA, April 11, 2007
Spring meeting, Materials Research Society, San Francisco, CA, April 12, 2007
Colloquium, Materials Science Department, Stanford University, Palo Alto, CA, April 13, 2007
Colloquium, Materials Science Dept, Northwestern University, Evanston, IL, April 17, 2007
Seminar, University of New Mexico, Albuquerque, NM, April 25, 2007
Colloquium, Dept. of Chemical Engineering, Purdue University, West Lafayette IN, May 1, 2007
St. Gobain Internal Research Meeting, Newport RI, May 22, 2007
Complexity of Biological and Soft Materials, Santa Fe NM, May 23, 2007
International Space Developers Conference, Dallas TX, May 26, 2007
Seminars, ESPCI, Paris, France, June 5, 6, 2007.
Gordon Conference, Liquid Crystals, Andover, NH, June 11, 2007
Plenary Lecture, Canadian Association of Physicists Annual Mtg., Saskatoon, SA, June 20, 2007
Master Lecture, Gordon Research Conference on Polymer Colloids, Tilton, NH, June 24, 2007
ACS Colloids and Surfaces Meeting, Newark, DE, June 26, 2007
Kinetics of Colloidal Gels and Glasses, Naples, Italy, July 4, 2007
Mechanical Behavior of Glassy Materials, UBC, Vancouver, BC, July 21, 2007
Seminar, Institute for Microelectronics, Singapore, Aug. 13, 2007.

ICBN 2007, Biopolis, Singapore, Aug. 14, 2007.
ACS National Meeting, Boston, MA, Aug. 19, 2007.
“Structure dynamics in soft condensed matter,” Fiskebäckskil, Sweden, Aug. 21, 2007.
ACS National Meeting, Boston, MA, Aug. 22, 2007.
Bayreuth Polymer Symposium, University of Bayreuth, Bayreuth, Germany, Sept. 10, 2007.
ICMR Workshop on Advanced Materials, HKUST, Hong Kong, Sept. 13, 2007.
Panel Discussion, Kavli Foundation, Santa Barbara, Sept. 15, 2007
Nanofluids: Fundamentals and Applications, Copper Mountain, CO, Sept. 17, 2007.
5th International Workshop on Complex Systems, Sendai, Japan, Sept. 27, 2007
International Soft Matter Conference, Aachen, Germany, Oct. 3, 2007
Functional Food Conference, UMass Amherst, Amherst, MA, Oct. 8, 2007
International Conference on Advanced Materials, Bangalore, India, Oct. 11, 2007
Sigma Xi Lecture, US Army Natick Soldier Research Center, Natick, MA, Oct. 17, 2007
Warren McCabe Lecture, Dept. of Chemical and Biomolecular Engineering, North Carolina State University, Oct. 22, 2007
PPST Seminar, MIT, Cambridge, MA, Oct. 24, 2007
Physical Chemistry seminar, Dept. of Chemistry and Chemical Biology, Harvard University, Nov. 1, 2007
Colloquium, Dept. of Physics, Harvard University, Nov. 5, 2007
Seminar, ExxonMobile Corporate Research Laboratories, Annandale, NJ, Nov. 14, 2007
Keynote Lecture, DeChema meeting, Frankfurt, Germany, Nov. 20, 2007
Seminar, St. Gobain, Paris, France, Nov. 22, 2007
Amsterdam-New Amsterdam Soft Matter Meeting, Amsterdam, Holland, Dec. 14, 2007
Jones Lecture, Engineering School, Dartmouth College, Hanover, NH, Jan. 25, 2008
Seminar, Dept. of Polymer Science, University of Akron, Akron, OH, Jan. 31, 2008
Biophysical Society Meeting, Long Beach, CA, Feb. 5, 2008
Workshop on Frontiers of Microrheology, UCLA, Los Angeles, CA, Feb. 7, 2008
Colloquium, Physics Department, Mt. Holyoke College, Mt. Holyoke, MA, Feb. 12., 2008
Colloquium, Physics Department, RPI, Troy, NY, Feb. 13, 2008
Seminar, German Cancer Research Center, Heidelberg, Germany, Feb. 18, 2008
Colloquium, James Franck Institute, University of Chicago, Chicago, IL, March 4, 2008
Seminar, Institute of Physical Biology, Rockefeller University, NYC, NY, March 25, 2008
CODEF II, 2nd International Conference on Colloidal Dispersions in External Fields, Bonn, Germany, March 31, 2008
Colloquium, Dept. of Physics, University of Milan, Milan, Italy, April 3, 2008
Seminar, ESPCI, Paris, France, April 16, 2008.
Seminar, Center for Cell Imaging, University of Connecticut Health Center, Farmington, CT, April 23, 2008
Workshop on Emulsions, University of Leeds, Leed, UK, April 30, 2008
Seminar, Food Research Institute, Norwich, UK, May 1, 2008
Colloquium, Dept. of Chemisty, University of Wisconsin, Madison, WI, May 6, 2008
Feature Lecture, Atlanta Soft Matter Workshop, Georgia Institute of Technology, Atlanta GA, May 9, 2008
Frontier Lecture, ISAC Conference, Budapest, Hungary, May 19, 2008
Lecture, NanoTech2008, Boston, MA, June 3, 2008
Workshop on Physics of Micro and Nano Flow of Fluids, Lorentz Center, University of Leiden, Leiden, Holland, June 11, 2008
Plenary lecture, ACS Colloid and Surface Science meeting, NCSU, Raleigh, NC, June 17, 2008

Plenary Lecture, International Conference on Liquid Crystals, Jeju Island, South Korea, July 2, 2008
International symposium on materials for cosmetics, Amore-Pacific, South Korea, July 7, 2008
Lectures, Summer school on dynamics of soft materials, Cargese, Corsica, France, July 29, 2008
International Symposium on Surfactants, Berlin, Germany, Aug. 17, 2008
Lecture, Summer School on Glasses, Soegen, Sweden, Aug. 21, 2008
Feature lecture, International Conference on Theoretical and Applied Mechanics, Adelaide, Australia, Aug. 26, 2008
Lecture, Symposium on Nanoscience, Kavli Prize Lectures, Norwegian Academy of Sciences, Oslo, Norway, Sept. 8, 2008
Gordon conference on Intermediate Filaments, Oxford University, Oxford, UK, Sept. 11, 2008
Colloquium, Dept. of Physics, Indiana University, Bloomington, IN, Sept. 17, 2008
Dow-Corning Research Center, Midlands, MI, Sept. 22, 2008
Seminar, School of Chemical Engineering, Sichuan University, Chengdu, China, Oct. 7, 2008