

Eric R. Weeks

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- Experience**
- 7/18 - present: Director, Center for Faculty Development and Excellence** **Emory University**
 - 7/18 - present: Associate Vice Provost (Faculty Affairs)** **Emory University**
 - 8/14 - present: Samuel Candler Dobbs Professor** **Emory University**
 - 9/13 - 8/14: Professor of Physics** **Emory University**
 - 1/13 - 7/18: Chair of Physics Department** **Emory University**
 - 9/10 - 8/13: Winship Professor of Physics** **Emory University**
 - 9/04 - 8/10: Associate Professor of Physics** **Emory University**
 - 1/01 - 8/04: Assistant Professor of Physics** **Emory University**
 - 8/99 - 12/00: Postdoctoral Fellow** **Harvard University**
Worked with Prof. David A. Weitz.
 - 1/98 - 8/99: Postdoctoral Fellow** **University of Pennsylvania**
Worked with Prof. David A. Weitz and Prof. Arjun G. Yodh.
- Education**
- 12/97: Ph.D. in Physics** **University of Texas at Austin**
Dissertation title: “Experimental studies of Anomalous Diffusion, Blocking Phenomena, and Two-Dimensional Turbulence.”
Advisor: Prof. Harry L. Swinney, Center for Nonlinear Dynamics.
 - 5/92: B.S. in Engineering Physics** **University of Illinois**
At Urbana-Champaign; with highest honors.
- Honors**
- Francis Slack prize (excellence in service to physics in the Southeast), Southeastern Section of the American Physical Society (2020)
 - George P. Cuttino Award for Excellence in Mentoring (Emory University, 2018)
 - Fellow of the American Physical Society (2011)
 - Winship Distinguished Research Professor (Emory University, 2010-2013)
 - Selected as one of the “We are Emory 100 Community Builders” (2010)
 - Gave Stanley Corrsin Memorial Lecture in Fluid Mechanics (Johns Hopkins University, 2009)
 - Awarded Crystal Apple teaching award in “Emerging Excellence” from Emory’s Residence Hall Association (2008)
 - Recognized by Phi Beta Kappa for excellence in teaching (Fall ’02, Spring ’03, Fall ’05, Fall ’07, Fall ’12, Spring ’17, Fall ’20, Spring ’21).
 - Awarded Center for Teaching and Curriculum Award for Excellence in Teaching, natural sciences (2006)
 - Presidential Early Career Award for Scientists & Engineers (2004)
 - University of Texas Livingston Graduate Fellowship (1996-1997)
 - Department of Education Merit Graduate Fellowship (1992-1994)
 - Tau Beta Pi, National Engineering Scholastic Honorary Fraternity (1989)

**Teaching
at Emory**

- Physics 141: 1st semester of introductory physics, algebra based
Taught: Fall '09; number enrolled = 75
Student evaluations: 7.75 out of 9.0
- Physics 142: 2nd semester of introductory physics, algebra based
Taught: Spring '01, '02, '03, '13; number enrolled = 29, 85, 230, 315
Student evaluations: 8.38, 8.10, 7.81, 7.98 out of 9.0
- Physics 151: 1st semester of introductory physics, calculus based
Taught: Fall '02, '03, '06; number enrolled = 52, 59, 85
Student evaluations: 7.67, 8.38, 8.42 out of 9.0
- Physics 152: 2nd semester of introductory physics, calculus based
Taught: Spring '04; number enrolled = 52
Student evaluations: 8.57 out of 9.0
- Physics 361: Classical Mechanics
Taught: Spring '18; number enrolled = 21
Student evaluations: 8.69
- Physics 365: Electromagnetic Fields
Taught: Spring '08, '10, '11; number enrolled = 10, 11, 16
Student evaluations: 7.79, 8.18, 8.45 out of 9.0
- Physics 380: Introductory Thermal Physics
Taught: Spring '06; number enrolled = 3
Student evaluations: 8.78 out of 9.0
- Physics 421: Thermal Physics
Taught: Fall '04, '05, '10, '13, '15; number enrolled = 5, 14, 10, 12, 11
Student evaluations: 8.45, 8.45, 8.85, 8.55, 8.56 out of 9.0
- Physics 562 / 751: Soft Condensed Matter
Taught: Spring '09, Fall '11, Fall '14, Spring '17, Fall '18, Spring '21; number enrolled = 6, 9, 9, 7, 15, 9
Student evaluations: 8.85, 8.14, 8.45, 8.98, 8.43, 8.86 out of 9.0

**Related
to teaching**

- Founded the Science Education Research Journal Club, Spring 2007. Meets weekly during school year. Currently (1/2022) has 188 people on mailing list: faculty, postdoctoral researchers, and graduate students; from all Emory College STEM departments, and departments outside of Emory College. I ran this journal club through Spring 2018, and still maintain the mailing list and website.

**Ph.D. students
supervised**

- Cong Cao, graduation 12/20
- Xia Hong, graduation 5/17
- Xin Du, graduation 12/16
- Skanda Vivek, graduation 12/16
- Kenneth W. Desmond, graduation 5/12
- Gary L. Hunter, graduation 5/12
- Kazem V. Edmond, graduation 7/11
- Dandan Chen, graduation 12/10
- James E. Davidheiser, graduation 5/09
- Gianguido C. Cianci, graduation 5/08
- Currently: supervising three students admitted to Ph.D. candidacy (Cory Donofrio, Pablo Illing, and Yonglun Jiang).

- M.S. students supervised**
- Rachel E. Courtland, graduation 7/04
 - David Schaar, graduation 11/03
 - Shanshan Wu, graduation 7/03
- Other graduate student mentoring**
- Supervised 29 graduate research rotation students
 - Member of qualifier committee for 57 physics graduate students
 - Member of PhD committee for 46 students (including students from physics, chemistry, biomedical engineering, and chemical engineering). 11 of these are students from other institutions.
 - Member of MS committee for 6 physics graduate students
- Postdoctoral researchers supervised**
- Carlos Orellana, 9/13 - 8/16 and 5/17 - 11/17. Current position: Consultant, Colfax Communications, Chile.
 - Thibaut Divoux, 10/11 - 3/12. Funding: Univ. Lyon (France). Received a Marie Curie fellowship to continue Emory work for two more years; declined, to take CNRS job. Current position: researcher scientist (permanent position) at CNRS, Bordeaux, France.
 - Rei Kurita, 12/07 - 11/09. Funding: Japanese Society for the Promotion of Science. Current position: Associate Professor, Tokyo Metropolitan Univ., Tokyo, Japan.
 - Joaquim Clara-Rahola, 4/07 - 3/09: Funding: 75% from the Swiss National Foundation, 25% from PI. Current position: Microscopy coordinator, Univ. de Almeria, Spain
 - Vikram Prasad, 11/04 - 12/08. Current position: Research scientist, Dow Chemical, Midland, MI.
 - Denis Semwogerere, 1/04 - 8/07. Current position: Research scientist, Home Shopping Network, Toronto, Canada.
 - Piotr Habdas, 12/01 - 8/04. Current position: Professor, St. Joseph's Univ., Philadelphia, PA.
- Undergraduate honors theses supervised**
- Ran Tao, highest honors, 3/21
 - Tre Presley, high honors, 3/21
 - Anisa Hofert, highest honors, 3/20
 - Yijun Dong, high honors, 3/18
 - Haoran Wang, highest honors, 4/17
 - Rui Wu, high honors, 4/14
 - Nabiha Saklayen, highest honors, 4/12
 - James Sebel, high honors, 12/11
 - Daniel Real, high honors, 4/11
 - Zach Nadler, high honors, 4/09
 - Jennifer Lynch, highest honors, 4/09
 - Lov Goel, high honors, 4/07
- Other undergraduate mentoring**
- Supervised 41 undergraduate research projects (apart from honors theses)
 - Member of honors thesis committee for 14 undergraduates (students from Physics, Biology, Chemistry, Computer Science, History, Math, and Theater Studies)

Departmental service

- Chair, Strategic Planning Committee, Summer 2021 - present
- Department Chair, Spring 2013 - Summer 2018
 - Department created three new majors: Engineering Sciences, Biophysics, Physics for Life Sciences
 - Created faculty mentoring system for junior faculty
 - Hired 7 faculty (department size was 20 at the end of my term)
- Member, Graduate Student Allocation Committee, Fall 2015 - Spring 2018
- Member, Faculty Search Committee, 2001-02, 2013, 2013-14, 2014-15, 2016-17, 2018-19, 2020-21
- Chair, Faculty Search Committee, 2003-04, 2006-07, 2008-09, 2009-10, 2010-11, 2012 (stepped down to become department chair)
- Director of Undergraduate Studies, Physics Department, Summer 2004 - Summer 2010 (except during sabbatical leave, Spring 2007)
- Member, Physics Graduate Admissions Committee, Spring 2003 - Spring 2011
- Member, Physics Web Site Design Committee, Fall 2002 - Fall 2003

Emory College of Arts & Sciences service

- Member, Working Group on Policies and Practices for Evaluation of Teaching, Spring 2021 - present
- Member, ad hoc authorship dispute committee, Spring 2021; Fall 2021
- Senior Mentor, assigned to mentor 15 tenure-track faculty, Spring 2019, Fall 2020 - present
- Member, ad hoc Pedagogy and Curriculum Committee, Fall 2016 - Spring 2017
- Member, Science Cluster Hire Search Committee, Summer 2016 - Spring 2017
- Member, ad hoc Course Evaluations Committee, Spring 2016
- Primary Speaker, Evidence Town Hall for entire freshman class, October 2015 (along with James Morey)
- Member, Planning Committee for revised Institute for the Liberal Arts, Fall 2014 - Spring 2015
- Member, Grievance Committee, Fall 2012 - Spring 2015, Fall 2016 - Spring 2018
- Chair, Emory College Governance Committee, Fall 2008 - Summer 2009 and Fall 2010 - Summer 2011; Member, Fall 2009 - Summer 2010
 - Revised form for student evaluation of teaching
 - Changed first-year student advising system
 - Formed Financial Advisory Committee to advise Emory College dean, following the Fall 2008 financial downturn
- Member, Emory College Financial Advisory Committee, Spring 2009 - Spring 2011
- Member, ad hoc Emory College Financial Advisory Committee, Fall 2008 - Spring 2009
- Member, Faculty Science Council, Summer 2004 - present
- Co-Chair, New General Education Requirements (GER) Implementation Committee, Summer 2008 - Fall 2008
- Member, Task Force for revising the GER's, Fall 2007 - Spring 2008
- Member, Task Force on Advising (Emory College), Spring 2008
- Member, advisory board for *Quadrangle*, a biannual magazine for Emory College, Spring 2005 - Spring 2007

**Emory College
service
(continued)**

- Member, Task Force on Retention in Emory College, Fall 2006 - Spring 2007
- Member, Emory College Committee on Fundraising, Fall 2005 - Spring 2007
- Member, Emory College Committee on Academic Standards, Spring 2003 - Spring 2006
- FAME advisor (Freshman Advising and Mentoring at Emory), Fall 2001 - Spring 2006
- Member, FAME Planning Committee, Spring 2003

**Laney
Graduate
School service**

- Ad hoc Member, Grievance Committee, Spring 2020
- Ad hoc Member, Honor Council, Fall 2010

**University
service**

- Member, Emory OPEN Governance Committee, July 2021 - present
- Member, Faculty Staff Assistance Program advisory committee, April 2021 - present
- Chair, Halle Institute for Global Research peer review committee, Fall 2019 - present
- Member, School of Medicine Faculty Development Advisory Committee, Fall 2019 - present
- Member, IT Steering Committee, Summer 2018 - present
- Member, Woodruff Health Educators Academy Steering Committee, Summer 2018 - present
- Chair, ad hoc Classroom Logistics Committee, Summer 2020
- Member, ad hoc Bookstore RFP Committee, Spring 2020
- Member, Emory Votes Committee, Summer 2019 - Spring 2020
- Member, Quality Enhancement Plan (QEP) Steering Committee, Fall 2014 - Spring 2020
- Faculty Counselor, Board of Trustees (Audit and Compliance Committee), Fall 2013 - Summer 2016
- Member, Faculty Advisory Committee to Michael Mandl (Emory Executive Vice President for Business and Administration), Fall 2013 - Spring 2015
- Co-Chair, SACS reaccreditation QEP (along with Sarah McPhee) – Phase I, Fall 2011
- Member, Task Force on Undergraduate Admissions, Fall 2009 - Fall 2010
- Member, Emory University Computational and Life Sciences Initiative: Education Committee, Spring 2007 - Fall 2008

**Short Course
Teaching**

- Instructor, “UMass School on Complex Fluids and Soft Solids,” Amherst, MA, 5/17
- Organizer and instructor, “Colloids and Granular Materials” pre-meeting tutorial at APS March Meeting, Baltimore, MD, 3/16
- Instructor, ICTP School, “Hands-on Research on Complex Systems”
 - Trieste, Italy, 7/15
 - Trieste, Italy, 7/13
 - Shanghai, China, 6/12
 - Gandhinagar, India, 1/08
- Instructor, “DPOLY Short Course on Glasses,” pre-meeting tutorial at APS March Meeting, San Antonio, TX, 3/15
- Instructor, “Heterogeneous crystal nucleation” short course, Bayreuth, Germany, 7/12
- Instructor, “Microscopy of soft materials” school, Edinburgh, UK, 5/11

Short Course Teaching (continued)

- Instructor, “Physics of colloids and granular media” school, Cargèse, France, 9/10
- Instructor, “Aging of slowly relaxing systems” school, Søminestationen, Denmark, 6/09
- Instructor, Boulder Summer School for Condensed Matter Physics, Boulder, CO, 7/06
- Instructor, “Jamming in Soft-Condensed Matter” pre-meeting tutorial at APS March Meeting, Los Angeles, CA 3/05

Other Professional Activities

- Chair, American Physical Society (APS) SESAPS Slack Award Committee, 9/21 - 11/21
- Member, APS March Meeting Task Force, 5/20 - 10/21
- Member, APS Topical Group on Statistical and Nonlinear Physics (GSNP) Fellowship Selection Committee, 5/20 - 7/20
- Divisional Associate Editor, *Phys. Rev. Lett.*, 11/19 - 10/22
- Nominating Committee member, Division on Soft Matter (DSOFT), 4/19 - 3/20
- Session organizer, “Jamming, Gelling & Rheology” at 2019 ACS Colloids Meeting, 6/19
- Member, APS Division of Fluid Dynamics (DFD) Local Organizing Committee, 6/18 - 11/18
- Member, APS Leo Kadanoff Prize Committee, 5/18 - 7/18
- Member, international advisory committee, 10th Liquid Matter Conference (July 2017, Ljubljana, Slovenia)
- Received a 2015 *Acta Materialia* reviewer award
- Program Chair, APS Topical Group on Soft Matter (GSOFT), 5/14 - 3/16
- Editorial board member, *Phys. Rev. E*, 1/13 - 12/18
- Chair line, APS GSNP: Vice-Chair, Chair-Elect, Chair, Past-Chair (1 yr/each), 3/11 - 2/15
- Session organizer, “Glassy and Jammed Systems” at 2014 ACS Colloids Meeting, 6/14
- Session organizer, “Surface and interfacial rheology” at 2011 Society of Rheology meeting, 11/11
- Named as an APS “Outstanding Referee” (inaugural group) (2008)
- Lead organizer, workshop on “Jamming,” Aspen Center for Physics, 8/07
- Planning group member, 2006 Granular Physics Gordon Research Conference
- Session organizer, “Colloidal Hydrodynamics” at 2006 AIChE Annual Meeting, 11/06
- Member, APS Southeastern Section Planning Committee, 2004
- Member, APS Division of Fluid Dynamics Planning Committee, 2003
- Member, Planning Group, 6th Annual Japanese-American Frontiers of Science Symposium, 12/03, sponsored by the National Academy of Sciences and the JSPS
- Member: American Physical Society, American Association of Physics Teachers, Society of Rheology

Professional Development

- Visiting Scientist, University of Edinburgh, Edinburgh, UK, 6/15 & 7/15
- Visiting Scientist, Center for Soft Matter Research, New York University, New York, NY, 1/12 - 6/12
- Visiting Scientist, University of Edinburgh, Edinburgh, UK, 6/05 & 7/05
- Attended 27th Annual Short Course on Rheological Measurements, University of Minnesota, MN, 6/9/02 - 6/14/02

Professional Development (continued)

- Attended Materials Science Summer Institute (MASSI), Princeton Materials Institute, NJ, 7/27/98 - 8/7/98
- Attended Analytical and Quantitative Light Microscopy Summer School, Woods Hole, MA, 5/7/98 - 5/15/98
- Attended Eighth Annual Complex Systems Summer School, Santa Fe, New Mexico, 8/4/95 - 8/30/95
- Attended Summer School on Wavelet Techniques and Applications, Bordeaux, France, 9/27/93 - 10/1/93

Current Funding

- “Thermal fluctuations of colloidal gels”
12/21 - 11/23, NASA, \$200K (80NSSC22K0292)
- “Collaborative research: Experimental and computational studies of flow and clogging of deformable particles under confinement”
5/20 - 4/23, NSF, \$155K (CBET-2002815)
- “Deformation and flow of highly polydisperse amorphous solids”
7/18 - 6/22 (one year no-cost extension), NSF, \$306K (CBET-1804186)

Past Funding

- “Rotational diffusion in two-dimensional colloidal glasses”
6/19 - 4/21, Emory University Halle Institute for Global Research and Learning, \$10K (joint Emory/FAPESP grant, in conjunction with a FAPESP grant awarded to collaborator Rene Nome, UNICAMP, Brazil)
- “Using the emulsion glass transition to test the universality of jamming”
9/16 - 8/20, NSF, \$379K (DMR-1609763)
- “Ordering transitions in monolayers of gravitationally confined microspheres: Experimental and computational studies”
5/17 - 4/18, University Research Committee of Emory University, \$30K (along with J. T. Kindt, chemistry dept.)
- “Flow of colloids and emulsions: Microscopic details of rearrangements and stresses”
9/13 - 8/16, NSF, \$210K (CBET-1336401)
- “A data-driven statistical approach to aging and elasticity in colloidal glasses”
10/12 - 9/16, NSF, \$155K (CMMI-1250235)
- “Rotational and translational diffusion near the colloidal glass transition”
9/09 - 8/13, NSF, \$249K (CHE-0910707)
- “Flow and rheology of interfaces at microscopic length scales”
9/09 - 8/13, NSF, \$252K (CBET-0853837)
- “Using confinement to study the colloidal glass transition”
8/08 - 7/12, NSF, \$300K (DMR-0804174)
- “Using emulsions to study the physics of 2D frictionless granular materials”
7/08 - 8/10, Petroleum Research Fund, \$100K (ACS PRF# 47970-AC9)
- “Materials World Network: Fundamental studies of plasticity in soft glassy materials”
6/06 - 5/08, NSF, \$140K (DMR-0603055)
- “Characterizing surface viscosities at ‘difficult’ interfaces”
6/07 - 5/08, University Research Committee of Emory University, \$20K
- “CAREER: Static properties and dynamical behavior of jammed systems”
4/03 - 3/08, NSF, \$450K (DMR-0239109)
5/07, \$25K supplement received (Research Opportunity Award, to fund Prof. Scott Franklin’s sabbatical visit to Emory University)

**Past Funding
(continued)**

- “Confocal microscopy of the colloidal glass transition”
4/02 - 4/08, NASA, Microgravity Fluid Physics, \$495K (NAG3-2728)
- “Microscopic dynamics of confined, concentrated colloidal suspensions”
2/02 - 8/04, Petroleum Research Fund \$35K (ACS PRF# 37712-G7)
- “Microscopic studies of ‘jammed’ materials”
2/02 - 1/03, University Research Committee of Emory University, \$28K

Publications

<http://orcid.org/0000-0003-1503-3633>

<https://scholar.google.com/citations?hl=en&user=kpJMf24AAAAJ>

1. “Clogging and avalanches in quasi-two-dimensional emulsion hopper flow”
X. Hong, K. W. Desmond, D. Chen, and E. R. Weeks, *Phys. Rev. E* **105**, 014603 (2022).
2. “Soft particle clogging in two-dimensional hoppers”
R. Tao, M. Wilson, and E. R. Weeks, *Phys. Rev. E* **104**, 044909 (2021).
3. “Supramolecular DNA photonic hydrogels for on-demand control of coloration with high spatial and temporal resolution”
Y. Dong, J. D. Combs, C. Cao, E. R. Weeks, A. Bazrafshan, S. K. A. Rashid, and K. Salaita, *Nano Lett.* **21**, 9958-9965 (2021).
4. “Direct observation of crystal nucleation and growth in a quasi-two-dimensional nonvibrating granular system”
A. Escobar, F. Donado, R. E. Moctezuma, and E. R. Weeks, *Phys. Rev. E* **104**, 044904 (2021).
5. “Neglecting polydispersity degrades propensity measurements in supercooled liquids”
C. J. Donofrio and E. R. Weeks, *Eur. Phys. J. E* **44**, 65 (2021).
6. “Rheology finds distinct glass and jamming transitions in emulsions”
C. Cao, J. Liao, V. Breedveld, and E. R. Weeks, *Soft Matter* **17**, 2587-2595 (2021).
7. “Mechanical properties of model colloidal mono-crystals”
J.-C. Ono-dit-Biot, P. Soulard, S. Barkley, E. R. Weeks, T. Salez, E. Raphaël, and K. Dalnoki-Veress, *Soft Matter* **17**, 1194-1201 (2021).
8. “Visualizing free energy landscapes for four hard disks”
E. R. Weeks and K. Criddle, *Phys. Rev. E* **102**, 062153 (2020).
9. “Brownian motion of ellipsoidal particles on a granular magnetic bath”
C. Tapia-Ignacio, R. E. Moctezuma, F. Donado, and E. R. Weeks, *Phys. Rev. E* **102**, 022902 (2020).
10. “Rearrangements of 2D aggregates of droplets under compression: Signatures of the energy landscape from crystal to glass”
J.-C. Ono-dit-Biot, P. Soulard, S. Barkley, E. R. Weeks, T. Salez, E. Raphaël, and K. Dalnoki-Veress, *Phys. Rev. Research* **2**, 023070 (2020).
11. “Embedded 3D bioprinting of gelatin methacryloyl-based constructs with highly tunable structural fidelity”
L. Ning, R. Mehta, C. Cao, A. Theus, M. Tomov, N. Zhu, E. R. Weeks, H. Bauser-Heaton, and V. Serpooshan, *ACS Appl. Mater. Interfaces* **12**, 44563-44577 (2020).
12. “Isomorph invariance of dynamics of sheared glassy systems”
Y. Jiang, E. R. Weeks, and N. P. Bailey, *Phys. Rev. E* **100**, 053005 (2019).

**Publications
(continued)**

13. “Effect of topographical steps on the surface mobility of the bacterium *Pseudomonas aeruginosa*”
Y.-R. Chang, E. R. Weeks, D. Barton, J. Dobnikar, and W. Ducker, *ACS Biomater. Sci. Eng.* **5**, 6436-6445 (2019).
14. “Model-free 3D localization with precision estimates for brightfield imaged particles”
D. T. Kovari, D. Dunlap, E. R. Weeks, and L. Finzi, *Optics Express* **27**, 29875-29895 (2019).
15. “Random packing of rods in small containers”
J. O. Freeman, S. Peterson, C. Cao, Y. Wang, S. V. Franklin, and E. R. Weeks, *Granular Matter* **21**, 84 (2019).
16. “The role of deformability in determining the structural and mechanical properties of bubbles and emulsions”
A. Boromand, A. Signoriello, J. Lowensohn, C. S. Orellana, E. R. Weeks, F. Ye, M. D. Shattuck, and C. S. O’Hern, *Soft Matter* **15**, 5854-5865 (2019).
17. “Spatiotemporal intermittency and localized dynamic fluctuations upon approaching the glass transition”
J. A. Rodriguez Fris, E. R. Weeks, F. Sciortino, and G. A. Appignanesi, *Phys. Rev. E* **97**, 060601(R) (2018).
18. “Surface topography hinders bacterial surface motility”
Y.-R. Chang, E. R. Weeks, and W. A. Ducker, *ACS Appl. Mater. Interfaces* **10**, 9225-9234 (2018).
19. “Aging near rough and smooth boundaries in colloidal glasses”
C. Cao, X. Huang, C. B. Roth, and E. R. Weeks, *J. Chem. Phys.* **147**, 224505 (2017).
20. “Clogging of soft particles in 2D hoppers”
X. Hong, M. Kohne, M. Morrell, H. Wang, and E. R. Weeks, *Phys. Rev. E* **96**, 062605 (2017).
21. “Decoupling of translational and rotational diffusion in quasi-2D colloidal fluids”
S. Vivek and E. R. Weeks, *J. Chem. Phys.* **147**, 134502 (2017).
22. “Cooperative behavior in a probe-based constant active force microrheology”
O. Vasilyev, O. Bénichou, C. Mejía-Monasterio, E. R. Weeks, and G. Oshanin, *Soft Matter* **13**, 7617-7624 (2017).
23. “Introduction to the colloidal glass transition”
E. R. Weeks, *ACS Macro Lett.* **6**, 27-34 (2017).
24. “Long wavelength fluctuations and the glass transition in 2D and 3D”
S. Vivek, C. P. Kelleher, P. M. Chaikin, and E. R. Weeks, *Proc. Nat. Acad. Sci.* **114**, 1850-1855 (2017).
25. “Polyoxometalate-based gelating networks for entrapment and catalytic decontamination”
K. P. Sullivan, W. A. Neiwert, H. Zeng, A. K. Mehta, Q. Yin, D. A. Hillesheim, S. Vivek, P. Yin, D. L. Collins-Wildman, E. R. Weeks, T. Liu, and C. L. Hill, *Chem. Commun.* **53**, 11480-11483 (2017)
26. “Multiplexed, tethered particle microscopy for studies of DNA-enzyme dynamics”
S. Ucuncuoglu, D. A. Schneider, E. R. Weeks, D. Dunlap, and L. Finzi, *Methods in Enzymology* **582**, 415-435 (2017).
27. “Energy barriers, entropy barriers, and non-Arrhenius behavior in a minimal glassy model”
X. Du and E. R. Weeks, *Phys. Rev. E* **93**, 062613 (2016).

**Publications
(continued)**

28. “Predicting the size of droplets produced through Laplace pressure induced snap-off”
S. Barkley, S. J. Scarfe, E. R. Weeks, and K. Dalnoki-Veress, *Soft Matter* **12**, 7398-7404 (2016).
29. “Programmable DNA hydrogels assembled from multi-domain DNA strands”
H. Jiang, V. Pan, S. Vivek, E. R. Weeks, and Y. Ke, *ChemBioChem* **17**, 1156-1162 (2016).
30. “High-speed DNA-based rolling motors powered by RNase H”
K. Yehl, A. Mugler, S. Vivek, Y. Liu, Y. Zhang, M. Fan, E. R. Weeks, and K. Salaita, *Nature Nanotech.* **11**, 184-190 (2016).
31. “Tips and tricks: Snap-off production of monodisperse droplets”
S. Barkley, E. R. Weeks, and K. Dalnoki-Veress, *Eur. Phys. J. E* **38**, 138 (2015).
32. “Measurement of stress redistribution in flowing emulsions”
K. W. Desmond and E. R. Weeks, *Phys. Rev. Lett.* **115**, 098302 (2015).
33. “Experimental observation of local rearrangements in dense quasi-2D emulsion flow”
D. Chen, K. W. Desmond, and E. R. Weeks, *Phys. Rev. E* **91**, 062306 (2015).
34. “Affine and non-affine motions in sheared polydisperse jammed emulsions”
J. Clara-Rahola, T. A. Brzinski, D. Semwogerere, K. Feitosa, J. C. Crocker, J. Sato, V. Breedveld, and E. R. Weeks, *Phys. Rev. E* **91**, 010301(R) (2015).
35. “Measuring and overcoming limits of the Saffman-Delbrück model for soap film viscosities”
S. Vivek and E. R. Weeks, *PLoS ONE* **10**, e0121981 (2015).
36. “Influence of particle size distribution on random close packing”
K. W. Desmond and E. R. Weeks, *Phys. Rev. E* **90**, 022204 (2014).
37. “Boundary mobility controls glassiness of confined colloidal liquids”
G. L. Hunter, K. V. Edmond, and E. R. Weeks, *Phys. Rev. Lett.* **112**, 218302 (2014).
38. “Experimental study of forces between quasi-two-dimensional emulsion droplets near jamming”
K. W. Desmond, P. J. Young, D. Chen, and E. R. Weeks, *Soft Matter* **9**, 3424-3436 (2013).
39. “Slow dynamics in cylindrically confined colloidal suspensions”
N. Saklayen, G. L. Hunter, K. V. Edmond, and E. R. Weeks, *AIP Conference Proceedings* **1518**, 328-335 (2013).
40. “Local elastic response measured near the colloidal glass transition”
D. Anderson, D. Schaar, H. G. E. Hentschel, J. Hay, P. Habdas, and E. R. Weeks, *J. Chem. Phys.* **138**, 12A520 (2013).
41. “In search of colloidal hard spheres”
C. P. Royall, W. C. K. Poon, and E. R. Weeks, *Soft Matter* **9**, 17-27 (2013).
42. “Decoupling of rotational and translational diffusion in supercooled colloidal fluids”
K. V. Edmond, M. T. Elsesser, G. L. Hunter, D. J. Pine, and E. R. Weeks, *Proc. Nat. Acad. Sci.* **109**, 17891-17896 (2012).
43. “Measuring the size of individual particles from three-dimensional imaging experiments”
R. Kurita and E. R. Weeks, *Nature Comm.* **3**, 1127 (2012).
44. “Topological rearrangements and stress fluctuations in quasi-two-dimensional hopper flow of emulsions”
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45. “The physics of the colloidal glass transition”
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46. “Influence of confinement on dynamical heterogeneities in dense colloidal samples”
K. V. Edmond, C. R. Nugent, and E. R. Weeks, *Phys. Rev. E* **85**, 041401 (2012).
47. “Free-energy landscape for cage breaking of three hard disks”
G. L. Hunter and E. R. Weeks, *Phys. Rev. E* **85**, 031504 (2012).
48. “On measuring colloidal volume fractions”
W. C. K. Poon, E. R. Weeks, and C. P. Royall, *Soft Matter* **8**, 21-30 (2012).
49. “Incompressibility of polydisperse random close packed colloidal particles”
R. Kurita and E. R. Weeks, *Phys. Rev. E* **84**, 030401(R) (2011).
50. “Tracking rotational diffusion of colloidal clusters”
G. L. Hunter, K. V. Edmond, M. T. Elsesser, and E. R. Weeks, *Optics Express* **19**, 17189-17202 (2011).
51. “Experimental verification of rapid, sporadic particle motions by direct imaging of glassy colloidal systems”
J. A. Rodriguez Fris, G. A. Appignanesi, and E. R. Weeks, *Phys. Rev. Lett.* **107**, 065704 (2011).
52. “Spatial and temporal dynamical heterogeneities approaching the binary colloidal glass transition”
T. Narumi, S. V. Franklin, K. W. Desmond, M. Tokuyama, and E. R. Weeks, *Soft Matter* **7**, 1472-1482 (2011).
53. “Local influence of boundary conditions on a confined supercooled colloidal liquid”
K. V. Edmond, C. R. Nugent, and E. R. Weeks, *Europhys. J. Spec. Topics* **189**, 83-93 (2010).
54. “Glass transition of two-dimensional binary soft-disk mixtures with large size ratios”
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55. “Experimental study of random close packed colloidal particles”
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56. “Microscopic structural relaxation in a sheared supercooled colloidal liquid”
D. Chen, D. Semwogerere, J. Sato, V. Breedveld, and E. R. Weeks, *Phys. Rev. E* **81**, 011403 (2010).
57. “Complex dynamics of three interacting spheres in a rotation drum”
J. E. Davidheiser, P. Syers, P. N. Segrè, and E. R. Weeks, *Phys. Fluids* **22**, 033305 (2010).
58. “The equilibrium crystal/liquid interface of colloids”
J. Hernández-Guzmán and E. R. Weeks, *Proc. Nat. Acad. Sci.* **106**, 15198-15202 (2009).
59. “Random close packing of disks and spheres in confined geometries”
K. W. Desmond and E. R. Weeks, *Phys. Rev. E* **80**, 051305 (2009).
60. “Flow fields in soap films: Relating surface viscosity with film thickness”
V. Prasad and E. R. Weeks, *Phys. Rev. E* **80**, 026309 (2009).
61. “2D to 3D transition in soap films demonstrated by microrheology”
V. Prasad and E. R. Weeks, *Phys. Rev. Lett.* **102**, 178302 (2009).
62. “Quantitative imaging of colloidal flows”
R. Besseling, L. Isa, E. R. Weeks, and W. C. K. Poon, *Adv. Col. Int. Sci.* **146**, 1-17 (2009).

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(continued)**

63. “Dynamics and structure of an aging binary colloidal glass”
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64. “From particles to spins: Eulerian formulation of supercooled liquids and glasses”
C. Chamon, L. F. Cugliandolo, G. Fabricius, J. L. Iguain, and E. R. Weeks, *Proc. Nat. Acad. Sci.* **105**, 15263-15268 (2008).
65. “Immersion of charged nanoparticles in a salt solution/air interface”
P. Dhar, V. Prasad, E. R. Weeks, T. Bohlein, and T. M. Fischer, *J. Phys. Chem. B* **112**, 9565-9567 (2008).
66. “Structure and dynamics of biphasic colloidal mixtures”
A. Mohraz, E. R. Weeks, and J. A. Lewis, *Phys. Rev. E* **77**, 060403(R) (2008).
67. “Shear induced particle migration in binary colloidal suspensions”
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68. “Colloidal glass transition observed in confinement”
C. R. Nugent, K. V. Edmond, H. N. Patel, and E. R. Weeks, *Phys. Rev. Lett.* **99**, 025702 (2007).
69. “Three-dimensional imaging of colloidal glasses under steady shear”
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70. “Short and long range correlated motion observed in colloidal glasses and liquids”
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71. “Development of particle migration in pressure-driven flow of a Brownian suspension”
D. Semwogerere, J. F. Morris, and E. R. Weeks, *J. Fluid Mech.* **581**, 437-451 (2007).
72. “Confocal microscopy of colloids”
V. Prasad, D. Semwogerere, and E. R. Weeks, *J. Phys.: Cond. Mat.* **19**, 113102 (2007).
73. “Semagenesis and the parasitic angiosperm *Striga asiatica*”
W. J. Keyes, A. G. Palmer, W. K. Erbil, J. V. Taylor, R. P. Apkarian, E. R. Weeks, and D. G. Lynn, *The Plant Journal* **51**, 707-716 (2007).
74. “Contribution of slow clusters to the bulk elasticity near the colloidal glass transition”
J. C. Conrad, P. P. Dhillon, E. R. Weeks, D. R. Reichman, and D. A. Weitz, *Phys. Rev. Lett.* **97**, 265701 (2006).
75. “Two-particle microrheology of quasi-2D viscous systems”
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76. “A genetic toolbox for creating reversible Ca²⁺-sensitive materials”
S. Topp, V. Prasad, G. C. Cianci, E. R. Weeks, and J. P. Gallivan, *J. Am. Chem. Soc.* **128**, 13994-13995 (2006).
77. “Correlations of structure and dynamics in an aging colloidal glass”
G. C. Cianci, R. E. Courtland, and E. R. Weeks, *Solid State Comm.* **139**, 599-604 (2006).
78. “Squishy materials”
P. Habdas, E. R. Weeks, and D. G. Lynn, *The Physics Teacher* **44**, 276-279 (May 2006).
79. “Phase behavior and 3-D structure of strongly attractive microsphere-nanoparticle mixtures”
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**Publications
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82. “Forced motion of a probe particle near the colloidal glass transition”
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85. “Particle migration in pressure-driven flow of a Brownian suspension”
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86. “Direct visualization of aging in colloidal glasses”
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E. R. Weeks and D. A. Weitz, *Chemical Physics* **284**, 361-367 (2002).
89. “Drainage of single Plateau borders: Direct observation of rigid and mobile interfaces”
S. A. Koehler, S. Hilgenfeldt, E. R. Weeks, and H. A. Stone, *Phys. Rev. E* **66**, 040601(R) (2002).
90. “Properties of cage rearrangements observed near the colloidal glass transition”
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91. “Real space imaging of nucleation and growth in colloidal crystallization”
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93. “Experimental and numerical studies of an eastward jet over topography”
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97. “Transitions between blocked and zonal flows in a rotating annulus with topography”
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98. “Evolving artificial neural networks to control chaotic systems”
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101. “Chaotic advection in a two-dimensional flow: Lévy flights and anomalous diffusion”
T. H. Solomon, E. R. Weeks, and H. L. Swinney, *Physica D* **76**, 70-84 (1994).
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T. H. Solomon, E. R. Weeks, and H. L. Swinney, *Phys. Rev. Lett.* **71**, 3975-3979 (1993).

**Nonrefereed
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E. R. Weeks and C. R. Nugent, *Rep. Inst. Fluid Sci.* **19**, 45-49 (Tohoku Univ., 2007).
105. “Aging of tetrahedral structure in a Lennard-Jones glass”
G. C. Cianci and E. R. Weeks, *Rep. Inst. Fluid Sci.* **19**, 51-56 (Tohoku Univ., 2007).
106. “Invariance of structure in an aging colloidal glass”
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107. “Experimental studies of the flow of concentrated hard sphere suspensions into a constriction”
L. Isa, R. Besseling, E. R. Weeks, and W. C. K. Poon, *J. Phys.: Conference Series* **40**, 124-132 (2006).
108. “Confocal microscopy”
D. Semwogerere and E. R. Weeks, in *Encyclopedia of Biomaterials and Biomedical Engineering*, eds. G. Wnek and G. Bowlin (Taylor and Francis, 2005).
109. “Video microscopy of colloidal suspensions and colloidal crystals”
P. Habdas and E. R. Weeks, *Current Opinion in Colloid and Interface Sci.* **7**, 196-203 (2002).
110. “Anomalous diffusion in quasi-geostrophic flow”
J. S. Urbach, E. R. Weeks, and H. L. Swinney, in *Chaos, Kinetics, and Nonlinear Dynamics in Fluids and Plasmas*, eds. S. Benkadda and G. Zaslavsky, pp. 171-197 (Springer-Verlag, 1998).
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- Book chapters**
112. “Glassy dynamics and dynamical heterogeneity in colloids”
L. Cipelletti and E. R. Weeks, in *Dynamical Heterogeneities in Glasses, Colloids and Granular Materials*, eds. L. Berthier, G. Biroli, J.-P. Bouchaud, L. Cipelletti, and W. van Saarloos, (Oxford University Press, 2011) (DOI: 10.1093/acprof:oso/9780199691470.003.0004)
113. “Microscopy of soft materials”
E. R. Weeks, in *Experimental and Computational Methods in Soft Condensed Matter*, ed. J. S. Olafsen (Cambridge University Press, 2010)
114. “Soft jammed materials”
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- Commentary**
115. “Glasses pinned down” (News & Views)
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116. “Melting colloidal crystals from the inside out” (Perspective)
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117. “Two for one in a colloidal glass” (Viewpoint)
E. R. Weeks, *Physics* **4**, 61 (2011).
- Preprints**
118. “Dynamic facilitation observed near the colloidal glass transition”
S. V. Franklin and E. R. Weeks, preprint (arXiv:1406.5782)
- Publicity**
- “Glass transitions may be similar in two and three dimensions, after all,” *Proc. Nat. Acad. Sci.* Commentary, Gilles Tarjus, PNAS **114**, 2440-2442 (2017).
 - “A rough wall is like no wall at all for colloidal glass,” *AIP Scilight*, Chris Patrick (doi.org/10.1063/1.5018599, 12/12/17).
 - “Witnessing transition at a crystal/liquid interface,” *Analytical Chemistry* online news story, N. D. Lamontagne (pubs.acs.org/action/showStoryContent?doi=10.1021%2Fon.2009.08.19.409400, 8/20/09)
 - “The science of all things squishy,” National Science Foundation “Discovery” story (www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=109750, 8/16/07)
 - “A window into glass formation,” C. Shekhar, *Phys. Rev. Focus* (http://physics.aps.org/story/v20/st4, 7/24/07).
 - “The feel of food fascinates Emory researcher,” interview on WABE FM 90.1 (NPR), by Marti Covington (1/28/04).
 - Picture of foam, featured as the cover of “Colloidal Dispersions: Suspensions, Emulsions and Foams,” S. Ross and I. D. Morrison (John Wiley & Sons, 3/02).
 - “Colloids reinforce glass theory,” S. C. Glotzer, *Physics World* **13**, 22 (4/00).
 - “In glass, fast crowds boogie to brittle end,” P. Weiss, *Science News* **157**, 71 (1/29/00).
 - “Movies of the glass transition,” M. D. Ediger, *Science* **287**, 604 (1/28/00).
 - “Beyond Brownian motion,” J. Klafter, M. F. Shlesinger, and G. Zumofen, *Physics Today* **49**, 33 (2/96).
- Invited talks at conferences and workshops**
- 6/22: *US National Congress on Theoretical and Applied Mechanics*, Austin, TX (to be given)
 - 10/21: *Probing out-of-equilibrium soft matter*, Fribourg, Switzerland

**Invited talks
(continued)**

- 9/21: *Wageningen University Emulsions Symposium*, Wageningen, Netherlands
- 6/21: *ACS Colloids Conference*, online
- 3/21: *APS March Meeting*, online
- 8/19: *ACS National Meeting*, San Diego, CA
- 6/18: *Viscous liquids and the glass transition XV*, Søminestationen, Denmark
- 8/17: *Granular Flow Workshop*, Guiyang, China
- 7/17: *8th Relaxations in Complex Systems*, Wisla, Poland
- 6/17: *Science and Technology of Complex Fluids*, San Luis Potosi, Mexico
- 10/16: *Fluctuations in Small Complex Systems*, Venice, Italy
- 8/16: *Packing: Across Length Scales*, Shanghai, China
- 7/16: *Gordon Research Conference on Granular Matter*, Easton, MA
- 6/16: *American Chemical Society*, Boston, MA
- 3/15: *American Physical Society March Meeting*, San Antonio, TX
- 2/15: *Workshop on Amorphous Solids*, Cuernavaca Morelos, Mexico
- 2/15: *Unifying Concepts in Glass Physics VI*, Aspen, CO
- 11/14: *2014 AIChE Annual Meeting*, Atlanta, GA
- 9/14: *Nonlinear Response in Complex Systems and Nonequilibrium Liquids*, Cologne, Germany
- 7/14: *Workshop on Structure and Dynamics of Confined Fluids*, Oak Ridge, TN
- 2/14: *2014 Geo-Congress*, Atlanta, GA
- 1/14: *Frontiers of Soft Matter Physics*, Kowloon, Hong Kong
- 11/13: *Southeastern Section of the APS*, Bowling Green, KY
- 6/13: *7th MIT Conference on Computational Fluid and Solid Mechanics*, Cambridge, MA
- 4/13: *Southern Atlantic Section of the AAPT* – keynote speaker, Gainesville, GA
- 12/12: *4th Int. Symposium on Slow Dynamics in Complex Systems*, Sendai, Japan
- 8/12: *American Chemical Society*, Philadelphia, PA
- 5/12: *Dynamics in Supercooled and Glassy Fluids*, Buenos Aires, Argentina
- 9/11: *Center for Integrated Nanotechnologies User Conference*, Albuquerque, NM
- 7/11: *Chemistry and Physics of Liquids Gordon Conference*, Plymouth, NH
- 8/10: *ISSP International Workshop on Soft Matter Physics*, Tokyo, Japan
- 7/10: *International Soft Matter Conference*, Granada, Spain
- 6/10: *Particulate Matter: Does Dimensionality Matter?*, Dresden, Germany
- 3/10: *American Physical Society March Meeting*, Portland, OR
- 3/10: *International Workshop on Dynamics in Confinement*, Grenoble, France
- 8/09: *6th Relaxations in Complex Systems*, Rome, Italy
- 6/09: *American Chemical Society – Surface and Colloid Meeting*, New York, NY
- 4/09: *Metro-Gotham Condensed Matter Meeting*, New York, NY
- 8/08: *Dynamical heterogeneities in glasses, colloids and granular media*, Lorentz Center workshop – invited focus talk, Leiden, The Netherlands
- 3/08: *American Physical Society March Meeting*, New Orleans, LA
- 6/07: *Gordon Research Conference on Nonlinear Science*, Colby College, ME

**Invited talks
(continued)**

- 5/07: *American Ceramic Society: Glass & Optical Materials Division*, Rochester, NY
- 3/07: *American Physical Society March Meeting*, Denver, CO
- 2/07: *Flow in Glassy Systems*, Les Houches, France
- 1/07: *4th International Workshop on Complex Systems*, Sendai, Japan
- 10/06: *Optical Society of America Annual Meeting*, Rochester, NY
- 9/06: *IV Workshop on Non Equilibrium Phenomena in Supercooled Fluids, Glasses and Amorphous Materials*, Pisa, Italy
- 4/06: *5th World Congress on Particle Technology*, Orlando, FL
- 4/06: *Materials Research Society Meeting*, San Francisco, CA
- 1/06: *Berkeley Mini Statistical Mechanics Meeting*, Berkeley, CA
- 11/05: *3rd International Workshop on Complex Systems*, Sendai, Japan
- 7/05: *5th Relaxations in Complex Systems*, Lille, France
- 3/05: *American Physical Society March Meeting*, Los Angeles, CA
- 12/04: *2nd Workshop on Complex Systems*, Sendai, Japan
- 11/04: *AICHE Annual Meeting*, Austin, TX
- 6/04: *Granular/Granular-Fluid Flow Gordon Research Conference*, Colby College, ME
- 9/03: *American Chemical Society*, New York, NY
- 6/03: *Chemistry & Dynamics in Complex Environments*, Telluride, CO
- 3/03: *American Physical Society March Meeting*, Austin, TX
- 12/02: *5th Annual Symposium on Japanese-American Frontiers of Science*, sponsored by the National Academy of Sciences, Irvine, CA
- 11/02: *Workshop on Anomalous Distributions, Nonlinear Dynamics, and Nonextensivity*, Santa Fe, NM
- 9/02: *III Workshop on Non Equilibrium Phenomena in Supercooled Fluids, Glasses and Amorphous Materials*, Pisa, Italy
- 9/02: *5th Liquid Matter Conference*, Konstanz, Germany
- 6/02: *Complex Fluids Gordon Research Conference*, Oxford, UK
- 12/01: *9th New England Workshop on Complex Fluids*, Boston, MA
- 6/01: *Condensed Matter Physics Gordon Research Conference*, New London, CT
- 3/01: *8th International Workshop on Disordered Systems*, Andalo, Italy
- 2/01: *Particles 2000*, Orlando, FL
- 2/01: *Soft Matter as a Nonlinear Science*, Laguna Beach, CA
- 9/00: *European Colloids and Interface Society*, Patras, Greece
- 6/00: *Third New England Workshop on Complex Fluids*, Amherst, MA
- 3/00: *American Physical Society March Meeting*, Minneapolis, MN
- 5/96: *New Directions in Geophysical Fluid Dynamics and Turbulence*, Tempe, AZ
- 1/96: *1996 Workshop on Transport and Transport Barriers*, Austin, TX

**Colloquia
and seminars**

- 4/21: Wayne State University, physics colloquium, Detroit, MI
- 3/21: Simons Collaboration on Cracking the Glass Problem, webinar
- 11/20: Georgia Tech, mechanical engineering fluids colloquium, Atlanta, GA

**Colloquia
and seminars
(continued)**

- 7/20: National Center for Faculty Development and Diversity, webinar
- 11/19: Campinas University, chemistry colloquium, Campinas, Brazil
- 5/18: University of California, mechanical engineering seminar, Santa Barbara, CA
- 2/17: McMaster University, physics colloquium, Hamilton, Canada
- 2/17: Rochester Institute of Technology, physics seminar, Rochester, NY
- 12/16: Rice University, chemical engineering seminar, Houston, TX
- 11/16: University of Houston, chemical engineering seminar, Houston, TX
- 4/16: North Carolina State University, MRSEC seminar, Raleigh, NC
- 10/15: University of South Florida, colloquium, Tampa, FL
- 8/15: Cornell University, chemical and biomolecular engineering seminar, Ithaca, NY
- 4/15: Wesleyan University, Bertman lecture, Middletown, CT
- 4/14: University of Minnesota, chemical engineering seminar, Minneapolis, MN
- 2/14: University of California, physics colloquium, Irvine, CA
- 1/14: Academia Sinica, physics seminar, Taipei, Taiwan
- 10/13: Northwestern University, physics colloquium, Evanston, IL
- 3/13: Kent State University, LCI seminar, Kent, OH
- 1/13: University of Georgia, physics colloquium, Athens, GA
- 10/12: Ecole Polytechnique, Laboratoire d'Hydrodynamique seminar, Paris, France
- 10/12: Université Paris Diderot, seminar, Paris, France
- 7/12: Soochow University, seminar, Suzhou, China
- 4/12: University of Pennsylvania, MRSEC seminar, Philadelphia, PA
- 2/12: Harvard University, materials science seminar, Boston, MA
- 2/12: New York University, colloquium, New York, NY
- 11/10: Duke University, nonlinear dynamics seminar, Raleigh, NC
- 4/09: Johns Hopkins University, Stanley Corrsin Memorial Lecture in Fluid Mechanics, Baltimore, MD
- 2/09: Univ. Rochester / Roch. Inst. Tech., joint seminar, Rochester, NY
- 1/09: University of Chicago, colloquium, Chicago, IL
- 11/08: University of Edinburgh, seminar, Edinburgh, United Kingdom
- 4/08: Bucknell University, seminar, Lewisburg, PA
- 4/08: Penn State, Pritchard Lab seminar, State College, PA
- 4/07: Boston University, condensed matter seminar, Boston, MA
- 3/07: University of Georgia, physics colloquium, Athens, GA
- 3/07: Florida State University, physical chemistry seminar, Tallahassee, FL
- 2/07: Princeton University, chemical engineering seminar, Princeton, NJ
- 1/07: Tohoku University, mechanical engineering lectures, Sendai, Japan
- 10/05: University of Illinois, ceramic seminar, Urbana, IL
- 6/05: University of Leipzig, seminar, Leipzig, Germany
- 5/05: CUNY, Levich Institute seminar, New York, NY
- 4/05: State University of West Georgia, seminar, Carrollton, GA
- 2/05: University of Kansas, joint chemistry/physics colloquium, Lawrence, KS

**Colloquia
and seminars
(continued)**

- 11/04: University of Texas, nonlinear dynamics seminar, Austin, TX
- 11/04: Ohio University, condensed matter seminar, Athens, OH
- 10/04: New York University, physics colloquium, New York, NY
- 10/04: University of California, chemical engineering seminar, Davis, CA
- 11/03: University of Delaware, solid state physics seminar, Newark, DE
- 10/03: Yale University, mechanical engineering seminar, New Haven, CT
- 10/03: University of Illinois, materials science colloquium, Urbana, IL
- 9/03: University of Michigan, seminar, Ann Arbor, MI
- 9/03: Georgia Tech, mechanical engineering seminar, Atlanta, GA
- 3/03: Boston University, condensed matter seminar, Boston, MA
- 3/03: ExxonMobil Research, seminar, Annandale, NJ
- 3/03: Northwestern University, nonlinear seminar, Evanston, IL
- 3/03: University of Chicago, seminar, Chicago, IL
- 7/02: LANL, Center for Nonlinear Science working seminar, Los Alamos, NM
- 6/02: Institute of Food Research, seminar, Norwich, UK
- 4/02: Duke University, nonlinear dynamics seminar, Rayleigh, NC
- 3/02: Michigan State University, condensed matter seminar, East Lansing, MI
- 3/02: NASA Marshall Space Flight Center, seminar, Huntsville, AL
- 2/02: University of California, seminar, Santa Barbara, CA
- 11/01: University of Texas, nonlinear dynamics seminar, Austin, TX
- 10/01: University of Pennsylvania, condensed matter seminar, Philadelphia, PA
- 10/01: Wake Forest University, physics colloquium, Winston-Salem, NC
- 4/01: Ohio University, condensed matter seminar, Athens, OH
- 10/00: University of Massachusetts, condensed matter seminar, Amherst, MA
- 10/00: Rochester Institute of Technology, physics colloquium, Rochester, NY
- 10/00: University of Edinburgh, condensed matter seminar, Edinburgh, United Kingdom
- 9/00: University of Mainz, condensed matter seminar, Mainz, Germany
- 9/00: University of Texas, IGERT seminar, Austin, TX
- 9/00: Michigan State University, seminar, East Lansing, MI
- 5/00: Brandeis University, condensed matter seminar, Waltham, MA
- 4/00: Brown University, condensed matter seminar, Providence, RI
- 3/00: University of Toronto, nonlinear dynamics seminar, Toronto, Canada
- 3/00: Syracuse University, physics colloquium, Syracuse, NY
- 2/00: University of California, nonlinear dynamics seminar, San Diego, CA
- 2/00: Emory University, physics colloquium, Atlanta, GA
- 2/00: Georgia Institute of Technology, physics colloquium, Atlanta, GA
- 2/00: Georgetown University, physics colloquium, Washington, DC
- 2/00: University of Maryland, statistical physics seminar, College Park, MD
- 2/00: Clarkson University, physics colloquium, Potsdam, NY
- 1/00: Courant Institute, applied math seminar, New York, NY
- 1/00: New York University, physics colloquium, New York, NY

**Colloquia
and seminars
(continued)**

- 1/00: Clark University, physics colloquium, Worcester, MA
- 10/99: NIST, condensed matter seminar, Gaithersburg, MD
- 4/99: University of Texas at Austin, nonlinear dynamics seminar, Austin, TX
- 12/98: Bucknell University, physics coffee talk, Lewisburg, PA
- 3/98: Dickinson College, physics colloquium, Carlisle, PA
- 12/96: Haverford College, seminar, Haverford, PA
- 12/96: University of Pennsylvania, seminar, Philadelphia, PA
- 11/96: University of Maryland, applied dynamics seminar, College Park, MD
- 11/96: University of Arizona, nonequilibrium physics seminar, Tuscon, AZ
- 5/96: Cornell University, nonlinear dynamics seminar, Ithaca, NY

Fun

- Asteroid (5057) Weeks is big (11 km across) and slightly eccentric in orbit
- Created Science Professor board game
- With Briand Sanderson, co-designed t-shirt produced by the American Physical Society