

Todd Davies

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Areas of Interest

Social informatics, cognitive science, deliberation, decision making, collective behavior...

- Design, research, and practice of online deliberation and decision making, with emphasis on Web-based software for groups and social action;
- Studies of social behavior and computer-mediated communication that draw on the psychology of judgment and decision making and on social choice theory;
- Applying cognitive science and social informatics to the study and practice of social movements; and
- Helping technically/analytically inclined students apply their skills in fields and endeavors where the technically-minded are underrepresented and needed.

Degrees

- B.S., Statistics (with Honors in the Humanities), Stanford University, June 1985
 - **honors thesis advisor:** John R. Perry (Philosophy)
- M.S., Data Analysis and Statistical Computing, Stanford University, September 1985
- Ph.D., Psychology, Stanford University, September 1995
 - **dissertation advisor:** Amos Tversky

Positions Held (current positions in **bold**)

- **Research Affiliate (Intermittent), Center for the Study of Language and Information, Stanford University, 1985-present**
- Computer Scientist, Artificial Intelligence Center, SRI International, 1985-1991
- Resident Fellow, Casa Naranja, Stanford University, 1988-1992
- Teaching Assistant, Psychology Department, Stanford University, 1991-1992, 1993-1994
- Psychology 1 Course Coordinator, Psychology Department, Stanford University, 1992-1993
- Teaching Affiliate and Coordinator, Symbolic Systems Program, Stanford University, 1994-1995
- Lecturer and Coordinator, Symbolic Systems Program, Stanford University, 1995-1996, 2000-2006
- Assistant Professor, Psychology, Koç University, Istanbul, 1996-1999
- Visiting Scholar, Symbolic Systems Program, Stanford University, 1997-2000
- Board Member, Computer Professionals for Social Responsibility, 2005-2008 (Vice President 2005-2006, President 2006-2007)
- **Associate Director and Lecturer, Symbolic Systems Program, Stanford University, 2006-present**
- Resident Fellow, Arroyo House, Stanford University, 2006-2011
- Board Member, Chiapas Support Committee, 2008-2016
- Co-Director, Peace+Justice Studies Initiative, Stanford University, 2013-2017
- **Board of Advisors Member, Initiative for Equality, 2016- present**

Projects and Funding

- Team Member, Artificial Intelligence Center, SRI International: Flakey – An Autonomous Mobile Robot (1985-1986)
 - **Principal Investigator:** Stanley J. Rosenchein
 - **other collaborators:** Leslie Pack Kaelbling, Stanley Reifel, William Wells
 - **funding:** FMC Corporation contract 147466 and General Motors Research Laboratories contract 50-13
- Team Member, Artificial Intelligence Center, SRI International: TACITUS – Using Commonsense Knowledge to Understand Texts (1985-1988)
 - **Principal Investigator:** Jerry R. Hobbs
 - **other collaborators:** William Croft, Douglas Edwards, Kenneth Laws
 - **funding:** Defense Advanced Research Projects Agency under Office of Naval Research contract N00014-85-C-0013.
- Team Member, Artificial Intelligence Center, SRI International: Research on Distributed Reasoning and Planning (1986-1988)
 - **Principal Investigators:** Michael P. Georgeff, Kurt Konolige, Amy Lansky
 - **funding:** Office of Naval Research contract N00014-85-C-0251
- Principal Investigator, Artificial Intelligence Center, SRI International: Neural Networks and Artificial Intelligence (1988-1990)
 - **funding:** SRI International Independent Research and Development project 670WS
- Co-Investigator, Artificial Intelligence Center, SRI International: Complex Systems (1990)
 - **Principal Investigator:** Stephen Barnard
 - **funding:** SRI International Research and Development project 760ZWA
- Doctoral Trainee, Psychology Department, Stanford University (1992-1993)
 - **funding:** National Science Foundation Departmental Traineeship
- Staff Lead, Symbolic Systems Program, Stanford University: Partnership for Internet Equity and Community Engagement, a joint project with East Palo Alto Community Network (2002-2006)
 - **students:** Benjamin Sywulka, Gautam Raghavan, Roma Jhaveri, Kim Karen Chen, Jonathan J. Effrat, Brandi Thompson, Renata Danielle Sanchez, and Laura O'Laughlin
 - **other collaborators:** Magda Escobar (Plugged In), Randy Saffold (Plugged In), Rolando Zeledon (Plugged In), Christina Mills (Plugged In), and Michael Levin (EPA.Net), Tom Wasow (Linguistics, Faculty Lead, 2002-2004)
 - **website:** <http://piece.stanford.edu>
 - **funding:** Haas Center for Public Service Community-Based Research Grants
- Staff Lead, Symbolic Systems Program, Stanford University: Deme, a content management framework for the social Web, and a project of PIECE (2003-present)
 - **students:** Brendan O'Connor, Alex Angiolillo Cochran, Andrew Parker, Benjamin Newman, Aaron Tam, Leo Perry, Mike Mintz, Joseph Marrama, Noam Ben-Avi, and Jimmy Tobin
 - **other collaborators:** Emily McMylin, Ken Taylor (Philosophy, Faculty Lead, 2011-present)
 - **websites:** <http://deme.stanford.edu> (current version) and <http://groupspace.org> (earlier versions)

- **funding:** Vice Provost for Undergraduate Education at Stanford, Symbolic Systems Program
- Staff Lead, Symbolic Systems Program, Stanford University: Who Voted?, a website for viewing and uploading voter histories, a joint project with Computer Professionals for Social Responsibility (CPSR, 2007-2008)
 - **students:** Reid Chandler
 - **other collaborators:** Gordon Lyon (CPSR), Jeffrey Gerard (Contractor), and Annalee Newitz (CPSR)
 - **website:** <http://whovoted.stanford.edu/>
 - **funding:** Google Summer of Code (to CPSR), Symbolic Systems Program
- Staff Lead, Center for the Study of Language and Information, Stanford University: Community Forum for Effective Healthcare Research and Quality (2011-2013)
 - **Principal Investigator:** Ken Taylor (Philosophy)
 - **students:** Noam Ben-Avi, Erik Brockbank, Jimmy Tobin
 - **other collaborators:** Amar Beeharry (AIR), Jessica Fernandez (AIR), Michael Huang (CSLI), Mike Mintz (CSLI), Shoshanna Sofaer (Baruch College/CUNY), Kip Thomson (AIR)
 - **website:** http://www.air.org/news/index.cfm?fa=viewContent&content_id=1140
 - **funding:** American Institutes for Research (AIR) Subcontract #641.02916 (to the Center for the Study of Language and Information, CSLI) – Contract from the Agency for Healthcare Research and Quality through the American Recovery and Reinvestment Act of 2009
- Co-Director, Peace+Justice Studies Initiative. Stanford University (2013-2017)
 - **other Co-Directors:** Linda Hess (Religious Studies), Rush Rehm (Theatre and Performance Studies and Classics)
 - **other faculty/staff committee members:** Joel Beinin (History), Sean Hanretta (History), Martin Hellman (Electrical Engineering), David Palumbo-Liu (Comparative Literature)
 - **student committee members:** Samar Alqatari, Mariam Amini, Ebony Childs, Kristian Davis-Bailey, Erica Knox, Skylar Lovett, Cole Manley, Daniel Murray, Eric Sapp, Joshua Schott, Violet Trachtenberg
 - **community representative:** Geoff Browning (United Campus Christian Ministry)
 - **website:** <https://peacejustice.stanford.edu>
 - **funding:** Hoagland Award Fund for Innovations in Undergraduate Teaching, Stanford University

University Committees

- Symbolic Systems Program Committee, Stanford University, 1994-1996, 2000-present
- Information Technology Committee, Koç University, 1997-1999
- Symbolic Systems Program Master's Admissions Committee, Stanford University, 2001-present
- Undergraduate Housing Draw Task Force, Stanford University, 2008-2009

Professional Committees

- Program Committee, International Conference on Online Deliberation, 2005 (Chair), 2008, & 2010
- Technical Program Committee, International Conference on Collaboration Technologies and Systems (CTS), 2011, 2012, 2013, 2014, 2015, 2016

- Program Committee, International Conference on eParticipation (ePart), 2013, 2014, 2015, 2016, 2017, & 2018
- Technical Program Chair, First International Conference on Deliberation and Decision Making (DDM), 2017

Student Theses

- Clayton Kunz, B.S. Honors, Symbolic Systems, Stanford University, 1995 (Second Reader)
- Pınar Şençığda, B.A. Honors, Psychology, Koç University, 1999 (Primary Advisor)
- Tina C. Hwang, B.S. Honors, Symbolic Systems, Stanford University, 2000 (Second Reader)
- Rebecca Trotzky-Sirr, A.B. Honors, Urban Studies, Stanford University, 2002 (Primary Advisor)
- Lolita Roibal, A.B. Honors, Chicana/o Studies, Stanford University, 2003 (Second Reader)
- Dalton Caldwell, B.S. Honors, Symbolic Systems, Stanford University, 2003 (Second Reader)
- Raja Shah, M.S., Symbolic Systems, Stanford University, 2003 (Primary Advisor)
- James Kung, B.S. Honors, Symbolic Systems, Stanford University, 2005 (Second Reader)
- Leo Perry, B.S. Honors, Symbolic Systems, Stanford University, 2007 (Second Reader)
- Dean Park, M.S., Symbolic Systems, Stanford University, 2010 (Second Reader)
- Chan, Chi Ling, M.S. Candidate, Symbolic Systems, Stanford University, 2015 (Primary Advisor)
- Brendan Fleig-Goldstein, M.S. Candidate, Symbolic Systems, Stanford University, 2017 (Second Reader)

Courses Taught and Supervised (*excludes graduate school course assistantships*)

- Foundations for Psychological Theory (Psychology 149/Symbolic Systems 150/Philosophy 149G, Stanford), Spring '93-'94
- The Psychology of Errors and Biases (Psychology 123S, Stanford), Summer '93-'94
- Symbolic Systems Forum (Symbolic Systems 10, Stanford), Autumn '94-'95, '95-'96, '02-'03, '03-'04, '04-'05, '05-'06, '06-'07, '07-'08, '08-'09, Winter '94-'95, '95-'96, '02-'03, '03-'04, '04-'05, '05-'06, '06-'07, '07-'08, '08-'09, Spring '94-'95, '95-'96, '01-'02, '02-'03, '03-'04, '04-'05, '05-'06, '06-'07, '07-'08, '08-'09, & '09-'10 (organized each quarter with the Symbolic Systems Advising Fellows)
- Senior Honors Seminar (Symbolic Systems 191, Stanford), Winter '94-'95, '95-'96, '00-'01, '01-'02, Spring '94-'95, '95-'96, Autumn '02-'03, '03-'04, '04-'05, '05-'06, '07-'08, '09-'10, '10-'11, '11-'12, '13-'14, '15-'16, '16-'17, & '17-'18
- Symbolic Systems Senior Seminar (Symbolic Systems 201, Stanford), Spring '94-'95, '00-'01, & Winter '95-'96
- Thinking, Decision Making, and Problem Solving (Psychology 331, Koç University), Fall '96-'97, '97-'98, & '98-'99
- Scientific Methods in the Behavioral and Social Sciences (International Relations 210, Koç University), Fall '96-'97
- Introduction to Psychology (Psychology 101, Koç University), Spring '96-'97 & '97-'98
- Selected Topics in Psychology: Political Psychology (Psychology 450, Koç University), Spring '96-'97
- Independent Study I (Psychology 390, Koç University), Spring '96-'97 (1 student) & '97-'98 (4 students)
- The Making of the Modern Mind (Philosophy 202, Koç University), Fall '97-'98
- Independent Study II (Psychology 490, Koç University), Fall '97-'98 (3 students) & '98-'99 (4 students)

- Psychology of Learning and Cognition (Psychology 202, Koç University), Spring '97-'98 & '98-'99
- Selected Topics in Psychology: Human Nature (Psychology 450, Koç University), Fall '98-'99
- Selected Topics in Psychology: Social Decision Making (Psychology 351, Koç University), Spring '98-'99
- Selected Topics in Psychology: Independent Study (Psychology 450, Koç University), Spring '98-'99 (1 student)
- Honors Project (Psychology 491, Koç University), Spring '98-'99 (student: Pınar Şençağda)
- Computers and Democracy (Symbolic Systems 150, Stanford), Winter '99-'00
- Senior Honors Thesis (Urban Studies 199, Stanford), Autumn, Winter, & Spring '01-'02 (student: Rebecca Trotzky-Sirr)
- The Rationality Debate (Symbolic Systems 202, Stanford), Winter '01-'02 & Winter '03-'04
- Independent Study (Symbolic Systems 196, Stanford), Autumn '04-'05 (1 student), '17-'18 (1 student) Winter '01-'02 (1 student), '03-'04 (1 student), '04-'05 (1 student), '06-'07 (1 student), '07-'08 (1 student), '17-'18 (1 student) & Spring '04-'05 (3 students), '07-'08 (1 student)
- Junior Honors Seminar (Symbolic Systems 91, Stanford), Spring '01-'02, Winter '02-'03, '03-'04, '04-'05, '05-'06, '06-'07, '07-'08, & '08-'09
- Computers and Social Decisions (Symbolic Systems 150, Stanford), Spring '01-'02 & '03-'04
- Master's Degree Project (Symbolic Systems 290, Stanford), Spring '01-'02, Autumn '02-'03, & Winter '02-'03 (student: Raja Shah)
- Master's Program Seminar (Symbolic Systems 291, Stanford), Autumn, Winter, & Spring '02-'03, '03-'04, '04-'05, '05-'06, '06-'07, '07-'08, '08-'09, '09-'10, '10-'11, '11-'12, '12-'13, '13-'14, '14-'15, '15-'16 (supervised with Ivan Sag, 2002-2009, and Christopher Manning, 2002-2010; Ken Taylor, 2010-2015 and 2016-2018,; and Tom Wasow, 2015-2016)
- Systems: Theory, Science, and Metaphor (Symbolic Systems 205, Stanford), Winter '02-'03, Spring '04-'05 & '06-'07
- Introduction to Cognitive Psychology (Psychology 40, Stanford), Winter '04-'05
- Battles Over Bits (Symbolic Systems 209, Stanford), Autumn '05-'06 & '07-'08
- The University As a Local and Global Citizen (Symbolic Systems 10SC, Stanford), Sophomore College '06-'07 (co-taught with Tom Wasow)
- Decision Behavior: Theory and Evidence (Symbolic Systems 170/270, Stanford), Winter '06-'07 & Spring '09-'10
- Mind, Self, and Soul (Symbolic Systems 40SI, Stanford), Spring '06-'07 (faculty sponsor of Student-Initiated Course led by students Anna Schapiro and Perry Rosenstein)
- Introduction to Cognitive and Information Sciences (Symbolic Systems 100/Psychology 130/Philosophy 190/Linguistics 144, Stanford), Spring '07-'08
- Playing God, Staying Human: The Future of Technology (Symbolic Systems 14SI, Stanford), Spring '07-'08 (faculty sponsor of Student-Initiated Course led by students Elizabeth Pratt and Jane Huang)
- Arroyo Residential Seminar: The California Border from Alta to Baja (Symbolic Systems 16, Stanford), Spring '07-'08 (co-taught with Marc Pauly)
- Sym Sys: Many Parts, Cohesive Whole (Symbolic Systems 2, Stanford), Spring '08-'09 (organized with students Evan Cox and Graham Herrli)
- Buddha Brain: Meditation, Religion, and Science (Symbolic Systems 17, Stanford), Spring '08-'09 (Activity course)

- ICT, Society, and Democracy (Symbolic Systems 201, Stanford), Spring '08-'09, Spring '11-'12, & Autumn '13-'14, '15-'16, & '17-'18
- Symbolic Systems in Practice (Symbolic Systems 200, Stanford), Winter '09-'10, Autumn '10-'11, Spring '10-'11, & Winter '11-'12
- Symbolic Systems Research Seminar (Symbolic Systems 280, Stanford), Autumn, Winter, & Spring '10-'11, '11-'12, '12-'13, '13-'14, '14-'15, '15-'16, '16-'17, & '17-'18 (organized each quarter with the Symbolic Systems Advising Fellows)
- Curricular Practical Training (Symbolic Systems 299, Stanford), Autumn, Winter, Spring, & Summer '11-'12, '12-'13, '13-'14, '14-'15, '15-'16, '16-'17, '17-'18, & Summer '10-'11
- Research Methods in the Cognitive and Information Sciences (Symbolic Systems 130, Stanford), Spring '12-'13
- Building Digital History: Social Movements and Protest at Stanford (Symbolic Systems 255 & 255A, Stanford), Winter '13-'14 & Spring '15-'16
- Minds and Machines (Symbolic Systems 100/Psychology 35/Linguistics 144/Philosophy 99, Stanford), Autumn '14-'15 (co-taught with Dan Lassiter and Thomas Icard)
- Cognitive Science Perspectives on Conflict, Violence, Peace, and Justice (Symbolic Systems 203, Stanford), Spring '14-'15
- Independent Study [M.S. Program] (Symbolic Systems 296, Stanford), Spring '14-'15 (1 student)
- Group Democracy (Symbolic Systems 271, Stanford), Winter '17-'18
- Workshop on Collective Behavior and Distributed Intelligence (Symbolic Systems 275/Biology 175, Stanford), Spring '17-'18 (co-taught with Deborah Gordon)

Academic Publications and Peer Reviewed Conference Papers

(for open access links and additional working papers, see <http://web.stanford.edu/~davies/tdavies-writing.html>)

1. "Analogy", CSLI Informal Notes Series IN-CSLI-85-4, Center for the Study of Language and Information, Stanford, November 1985, [doi:10.2139/ssrn.2214214](https://doi.org/10.2139/ssrn.2214214).
2. "Commonsense Metaphysics and Lexical Semantics" (third author with Jerry R. Hobbs, William Croft, Douglas Edwards, and Kenneth Laws), *24th Annual Meeting of the Association for Computational Linguistics* (New York, June 10–13), Association for Computational Linguistics, 1986, pp. 231–240, [doi:10.3115/981131.981163](https://doi.org/10.3115/981131.981163). Earlier version published in *Proceedings of the HLT'86 Strategic Computing - Natural Language Workshop* (Marina del Rey, CA, May 1-2), Association for Computational Linguistics, 1986, pp. 127-136, [doi:10.3115/1077146.1077163](https://doi.org/10.3115/1077146.1077163).
3. "Commonsense Metaphysics and Lexical Semantics" (third author with Jerry R. Hobbs, William Croft, Douglas Edwards, and Kenneth Laws), *Computational Linguistics*, Volume 13, Numbers 3-4, July-December 1987, pp. 241–250. Also issued as Technical Note 392, Artificial Intelligence Center, SRI International, August 20, 1986. (Fuller version of paper 2)
4. "A Logical Approach to Reasoning by Analogy" (first author with Stuart J. Russell), In John McDermott (Editor), *Proceedings of the Tenth International Joint Conference on Artificial Intelligence* (Milan, Italy, August 23–28), Morgan Kaufmann Publishers, Inc., 1987, pp. 264–270. Also issued as Technical Note 385, Artificial Intelligence Center, SRI International, July 1987. Reprinted in Jude W. Shavlik, & Thomas Glen Dietterich (Editors), *Readings in Machine Learning*, Morgan Kaufmann Publishers, Inc., 1990, pp. 657–663.
5. "Determination, Uniformity and Relevance: Normative Criteria for Generalization and Reasoning by

- Analogy", In David H. Helman (Editor), *Analogical Reasoning: Perspectives of Artificial Intelligence, Cognitive Science, and Philosophy*, Kluwer Academic Publishers, 1988, pp. 227–250, [doi:10.1007/978-94-015-7811-0_11](https://doi.org/10.1007/978-94-015-7811-0_11). Also issued as Technical Report No. CSLI-88-126, Center for the Study of Language and Information, Stanford University, May 1988.
6. "A Survey of Architectures for Distributed Artificial Intelligence", Technical Note 424, Artificial Intelligence Center, SRI International, June 1988., [doi:10.13140/RG.2.1.1484.1847](https://doi.org/10.13140/RG.2.1.1484.1847)
 7. "Some Notes on the Probabilistic Semantics of Logistic Function Parameters in Neural Networks", *Neural Networks*, Volume 1, Supplement 1, 1988, p. 88 (Extended abstract), [doi:10.1016/0893-6080\(88\)90127-X](https://doi.org/10.1016/0893-6080(88)90127-X).
 8. "Knowledge Bases and Neural Network Synthesis", In Hozumi Tanaka (Editor), *Artificial Intelligence in the Pacific Rim: Proceedings of the Pacific Rim International Conference on Artificial Intelligence* (Nagoya, Japan, November 14–16, 1990), IOS Press, Inc., 1991, pp. 717–722 .
 9. *Confidence Following Choice*, Ph.D. Dissertation, Department of Psychology, Stanford University, September 1995, [doi:10.2139/ssrn.2213084](https://doi.org/10.2139/ssrn.2213084). Abstracted in *Dissertation Abstracts International - B*, 56/10, April 1996, p. 5805.
 10. "Community Democracy Online: A Preliminary Report from East Palo Alto" (first author with Benjamin Sywulka, Randy Saffold, & Roma Jhaveri), 98th Annual Meeting of the American Political Science Association (Boston, MA, August 29-September 1), 2002.
 11. "'Groupware for Groups': Problem-Driven Design in Deme" (first author with Brendan O'Connor, Alex Angiolillo Cochran, and Andrew Parker), Beyond Threaded Conversation Workshop at CHI 2005 (Portland, Oregon, April 3), 2005, [doi:10.2139/ssrn.2228848](https://doi.org/10.2139/ssrn.2228848).
 12. "Radical Contingency in Sharing Behavior and Its Consequences" (commentary on Joseph Henrich et al., "'Economic Man' in Cross-Cultural Perspective: Behavioral Experiments in 15 Small-Scale Societies"), *Behavioral and Brain Sciences*, 28(6):821, December 2005, [doi:10.1017/S0140525X05270140](https://doi.org/10.1017/S0140525X05270140).
 13. "Displaying Asynchronous Reactions to a Document: Two Goals and a Design" (first author with Benjamin Newman, Brendan O'Connor, Aaron Tam, and Leo Perry), Conference on Computer Supported Cooperative Work, 20th Anniversary - Conference Supplement (Banff, November 4-8), 2006, pp. 169-170, [doi:10.13140/RG.2.1.3188.1204](https://doi.org/10.13140/RG.2.1.3188.1204).
 14. "Remarks for Grassroots Discussion Panel on Civil Society and Regulation", in Seeta Peña Gangadharan, Benjamin De Cleen, and Nico Carpentier (Editors), *Alternatives on Media Content, Journalism, and Regulation: The Grassroots Discussion Panels at the 2007 ICA Conference* (San Francisco, May 24-28), Tartu University Press, 2007, pp. 63-66.
 15. "A Behavioral Perspective on Technology Evolution and Domain Name Regulation", *Pacific McGeorge Global Business & Development Law Journal*, 21(1):1-25, 2008.
 16. "Document Centered Discussion: A Design Pattern for Online Deliberation" (first author with Benjamin Newman, Brendan O'Connor, Aaron Tam, and Leo Perry), in Douglas Schuler (Editor), *Liberating Voices: A Pattern Language for Communication Revolution*, MIT Press, 2008, pp. 384-386. (Modified version of Paper 13)
 17. "Design Features for the Social Web: The Architecture of Deme" (first author with Mike D. Mintz), in Luis Olsina, Oscar Pastor, Daniel Schwabe, Gustavo Rossi, and Marco Winckler (Editors), *Proceedings of the 8th International Workshop on Web-Oriented Software Technologies* (Donostia-San Sebastián, June 22), CEUR Workshop Proceedings, Volume 493, 2009, pp. 40-51, [urn:nbn:de:0074-493-0](https://nbn-resolving.org/urn:nbn:de:0074-493-0).
 18. *Online Deliberation: Design, Research, and Practice* (co-editor with Seeta Peña Gangadharan), CSLI Publications/University of Chicago Press, 2009, [doi:10.13140/RG.2.1.4040.0883](https://doi.org/10.13140/RG.2.1.4040.0883). Contributed

- chapters: "The Blossoming Field of Online Deliberation", Introduction, pp. 1-19, [doi:10.13140/RG.2.1.5088.6640](https://doi.org/10.13140/RG.2.1.5088.6640); and "An Online Environment for Democratic Decision Making: Motivations, Principles, and Design" (first author with Brendan O'Connor, Alex Cochran, Jonathan J. Effrat, Andrew Parker, Benjamin Newman, and Aaron Tam), chapter 25, pp. 275-292, [doi:10.13140/RG.2.1.4236.6961](https://doi.org/10.13140/RG.2.1.4236.6961).
19. "Relational Access Control with Bivalent Permissions in a Social Web/Collaboration Architecture" (first author with Mike D. Mintz), *Proceedings of the 2010 International Symposium on Collaborative Technologies and Systems* (Lombard, Illinois, May 17-21), IEEE, 2010, pp. 57-66, [doi:10.1109/CTS.2010.5478523](https://doi.org/10.1109/CTS.2010.5478523).
 20. "The Space of Conflict in Communicative Action: Implications for System Design", in Waleed W. Smari and Geoffrey C. Fox (Editors) and Li Bai (Assistant Editor), *Proceedings of the 2012 International Conference on Collaboration Technologies and Systems, CTS 2012* (Denver, May 21-25), IEEE, 2012, pp. xxxiv-xxxv (Extended abstract), [doi:10.1109/CTS.2012.6261012](https://doi.org/10.1109/CTS.2012.6261012).
 21. "Document-Centered Discussion and Decision Making in the Deme Platform" (first author with Mike D. Mintz, Jimmy Tobin, and Noam Ben-Avi), in Waleed W. Smari and Geoffrey C. Fox (Editors) and Li Bai (Assistant Editor), *Proceedings of the 2012 International Conference on Collaboration Technologies and Systems, CTS 2012* (Denver, May 21-25), IEEE, 2012, pp. lxxv-lxxviii (Extended abstract), [doi:10.1109/CTS.2012.6261014](https://doi.org/10.1109/CTS.2012.6261014).
 22. "Online Deliberation Design: Choices, Criteria, and Evidence" (first author with Reid Chandler), in Tina Nabatchi, John Gastil, Matt Leighninger, & Michael Weiksner (Editors), *Democracy in Motion: Evaluating the Practice and Impact of Deliberative Civic Engagement*, Oxford University Press, 2012, chapter 6, [doi:10.1093/acprof:oso/9780199899265.003.0006](https://doi.org/10.1093/acprof:oso/9780199899265.003.0006). Russian translation by Anatoly Kulik: "Dizayn Onlayn-Dyelibyeratsii: Vibor, Krityerii i Empiricheskiye Danniiye", *Politicheskaya Nauka* (Political Science) (1):83-132, 2013.
 23. "Community Forum Deliberative Methods Demonstration: Evaluating Effectiveness and Eliciting Public Views on Use of Evidence" (sixteenth author with Kristin L. Carman, Maureen Maurer, Coretta Mallery, Grace Wang, Steven Garfinkel, Jennifer Richmond, Dierdre Gilmore, Amy Windham, Manshu Yang, Rikki Mangrum, Marge Ginsburg, Shoshanna Sofaer, Jessica Fernandez, Marthe Gold, Ela Pathak-Sen, Alice Siu, James Fishkin, Mark Rosenberg, and Allison Fratto), AHRQ Publication No. 14-EHC007-1-EF, Agency for Healthcare Research and Quality, November 2014, [doi:10.13140/RG.2.2.23871.00168](https://doi.org/10.13140/RG.2.2.23871.00168).
 24. "Digital Rights and Freedoms: A Framework for Surveying Users and Analyzing Policies", in Luca Maria Aiello and Daniel McFarland (Editors), *Social Informatics: Proceedings of the 6th International Conference, SocInfo 2014* (Barcelona, November 11-13), Springer LNCS Vol. 8851, 2014, pp. 428-443, [doi:10.1007/978-3-319-13734-6_31](https://doi.org/10.1007/978-3-319-13734-6_31).
 25. "Design for Online Deliberative Processes and Technologies: Towards a Multidisciplinary Research Agenda" (sixth author with Lu Xiao, Weiyu Zhang, Anna Przybylska, Anna De Liddo, Gregorio Convertino, and Mark Klein), *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '15* (Seoul, April 18-23), ACM, 2015, pp. 865-868, [doi:10.1145/2702613.2727687](https://doi.org/10.1145/2702613.2727687).
 26. "Effectiveness of Public Deliberation Methods for Gathering Input on Issues in Healthcare: Findings From a Randomized Trial" (thirteenth author with Kristin L. Carman, Coretta Mallery, Maureen Maurer, Grace Wang, Steven Garfinkel, Manshu Yang, Dierdre Gilmore, Amy Windham, Marge Ginsburg, Shoshanna Sofaer, Marthe Gold, Ela Pathak-Sen, Joanna Siegel, Rikki Mangrum, Jessica Fernandez, Jennifer Richmond, James Fishkin, and Alice Siu Chao), *Social Science & Medicine*, 133:11-20, May 2015, [doi:10.1016/j.socscimed.2015.03.024](https://doi.org/10.1016/j.socscimed.2015.03.024).

27. "Equality of Participation Online Versus Face to Face: Condensed Analysis of the Community Forum Deliberative Methods Demonstration" (third author with Eric Showers and Nathan Tindall), in Efthimios Tambouris, Panos Panagiotopoulos, Øystein Sæbø, Konstantinos Tarabanis, Michela Milano, Theresa Pardo, and Maria Wimmer (Editors), *Electronic Participation: Proceedings of the 7th IFIP WG 8.5 International Conference, ePart 2015* (Thessaloniki, August 30-September 2), Springer LNCS Vol. 9249, 2015, pp. 53-67, [doi:10.1007/978-3-319-22500-5_5](https://doi.org/10.1007/978-3-319-22500-5_5).
28. "Mind Change: How Digital Technologies Are Leaving Their Mark On Our Brains" [book review], *New Media & Society*, 18(9):2139-2141, October 2016, [doi:10.1177/1461444816652614](https://doi.org/10.1177/1461444816652614).
29. "The Message or the Messenger? Inferring Virality and Diffusion Structure from Online Petition Signature Data" (fourth author with Chi Ling Chan, Justin Lai, and Bryan Hooi), in Giovanni Luca Ciampaglia, Afra J. Mashhadi, and Taha Yasseri (Editors), *Social Informatics: Proceedings of the 9th International Conference, SocInfo 2017* (Oxford, UK, September 13-15), Part I, Springer LNCS Vol. 10539, 2017, pp. 499-517, [doi:10.1007/978-3-319-67217-5_30](https://doi.org/10.1007/978-3-319-67217-5_30).
30. "Coordination Technology for Active Support Networks: Context, Needfinding, and Design" (second author with Stanley J. Rosenschein), *AI & Society*, 33(1):113-123, February 2018, [doi:10.1007/s00146-017-0778-4](https://doi.org/10.1007/s00146-017-0778-4).

Professional Conference and Workshop Presentations

(for slides, recordings, and other links, see <http://web.stanford.edu/~davies/tdavies-presentations.html>)

1. "A Logical Approach to Reasoning by Analogy" (joint work with Stuart J. Russell), Tenth International Joint Conference on Artificial Intelligence (IJCAI-87), Paper Session: Knowledge Acquisition 3, Milan, Italy, August 24, 1987 (see Publications #4).
2. "Some Notes on the Probabilistic Semantics of Logistic Function Parameters in Neural Networks", First Annual Meeting of the International Neural Network Society (INNS), Analysis of Network Dynamics Poster Session, Boston, September 8, 1988 (see Publications #7).
3. "The Effect of Forced Choice and Evidential Conflict on Judgment", 74th Western Psychological Association Convention, Cognition Session, Kona, Hawaii, April 28, 1994.
4. "The Symbolic Systems Program at Stanford University" (joint presentation with James Greeno), Education in Cognitive Science Workshop, Poster Session, Atlanta, August 16, 1994.
5. "Valuation and Confidence in the Context of Choice", 7th American Psychological Society Convention, Poster Session VII, New York, July 1, 1995 (see Publications #9).
6. "Comparison of Frames for Choosing a Social Welfare Function", Annual Meeting of the Society for Judgment and Decision Making, Poster Session #1, Chicago, November 3, 1996.
7. "Effects of Available Time on Confidence Following Choice", Annual Meeting of the Society for Judgment and Decision Making, Poster Session #1, Philadelphia, Pennsylvania, November 23, 1997.
8. "Truth-Inducing Utility Measurement by Point Allocation", 31st Annual Meeting of the Society for Mathematical Psychology, Judgment, Decision, Choice II Session, Nashville, August 9, 1998.
9. "Notes on Truth-Inducing Utility Measurement by Point Allocation", 22nd Bosphorus Workshop on Economic Design (BWED XXII), near Marmaris, Turkey, June 29, 1999.
10. Discussant, International Society for Political Psychology Twenty-Second Annual Scientific Meeting, Panel 4.3: Ideology and Political Communications in Turkey, Amsterdam, July 18, 1999.
11. "Political Ideals and Beliefs About the Distribution of Wealth and Income: A Survey of University Students", International Society for Political Psychology Twenty-Second Annual Scientific Meeting,

- Panel 10.1: The Politics of Poverty and Insecurity, Amsterdam, July 20, 1999.
12. Facilitator, Workshop: Coalitions With Non-Anarchists, North American Anarchist Conference: A Festival of Communities in Resistance, Los Angeles, August 13, 2000.
 13. Facilitator, People's Global Action North American Meeting, Workshop: Learning from the Mission Anti-Displacement Coalition, University of Massachusetts, Amherst, June 1, 2001.
 14. "Community Democracy Online: A Preliminary Report from East Palo Alto" (joint work with Benjamin Sywulka, Randy Saffold, and Roma Jhaveri), 98th Annual Meeting of the American Political Science Association, Panel 30-6: Technology, Communities, and Participation, Boston, August 31, 2002 (see Publications #10).
 15. Panelist, Labor's Voices/LaborTECH Conference, Workshop Session V: How to Use the Web for Streaming Video and Audio, New York, September 28, 2002.
 16. Panelist, 2003 World Social Forum, Workshop on the Internet and Labor Justice Organizing: Experiences, Lessons, and Possibilities, Porto Alegre, Brazil, January 26, 2003.
 17. "Violations of IIA in Preference Profile Aggregation" (joint presentation with Raja Shah), Annual Meeting of the Public Choice Society and Economic Science Association, Panel A.1.4: Social Choice and Bargaining Experiments, Nashville, March 21, 2003.
 18. Discussant, Annual Meeting of the Public Choice Society and Economic Science Association, Panels A.4.9: Experiments, and B.3.2: Arrow and Modifications, Nashville, March 21-22, 2003.
 19. Panelist, Access: Broadband and the Digital Future, Workshop Session I: Privacy, Spying and Censorship, Stanford, April 5, 2003.
 20. Panelist, Twenty-Ninth Annual Southwest Labor Studies Conference, Panel 18: Telecommunications, Labor, and Technology, Berkeley, May 10, 2003.
 21. "Community Deliberation Online: When We Can't All Meet Face to Face" (joint work with Brendan O'Connor), Tools for Community Design and Decision Making, Working Session V (TCDDM-V), Panel: Tools and Techniques for Public Participation, San Francisco, December 11, 2003.
 22. Panelist, LaborTech/Access Conference, Welcome and Introduction Plenary Session, Stanford, April 3, 2004.
 23. "P.O.D. (Platform for Online Deliberation) Demo" (joint work with Brendan O'Connor and Alex Angiolillo Cochran), LaborTech/Access Conference, Workshop Session IV, Stanford, April 3, 2004.
 24. "Software Demonstration: Program for Online Deliberation" (joint work with Brendan O'Connor and Alex Angiolillo Cochran), The 14th Conference on Computers, Freedom, and Privacy, Birds-of-a-Feather Session 15, Berkeley, April 22, 2004.
 25. "Intuitive Preference Aggregation: Tests of Independence and Consistency" (joint work with Raja Shah), The 7th International Meeting of the Society for Social Choice and Welfare, Osaka, July 23, 2004.
 26. "Consequences of the Secret Ballot and Electronic Voting", The 7th International Meeting of the Society for Social Choice and Welfare, Osaka, July 24, 2004.
 27. "Social Choice Metaprocedures and the Components of Preference Aggregation", Annual Meeting of the Public Choice Society, New Orleans, March 11, 2005.
 28. "Designing an Online Environment for Group Deliberation" (joint work with Brendan O'Connor, Alex Angiolillo Cochran, & Andrew Parker), The Second Conference on Online Deliberation: Design, Research, and Practice/Directions and Implications of Advanced Computing 2005, Stanford, May 20, 2005 (see Publications #18).
 29. "Welcoming Introduction", Plenary: Online Deliberation from Groups to Cities to Nations, The

- Second Conference on Online Deliberation: Design, Research, and Practice/Directions and Implications of Advanced Computing 2005, Stanford, May 20, 2005 (see Publications #18).
30. "Developing an XML Format for Deliberation", The Second Conference on Online Deliberation: Design, Research, and Practice/Directions and Implications of Advanced Computing 2005, Stanford, May 22, 2005.
 31. "Intuitive Preference Aggregation: Arrow's Principles and Behaviorally Derived Criteria" (joint poster presentation with Renee Trochet, joint work with Raja Shah, Renee Trochet, and Katarina Ling), 26th Annual Conference of the Society for Judgment and Decision Making, Toronto, November 2005.
 32. "Deme: a Free/Open Source Platform for Online Group Deliberation and Dialogue" (with Brendan O'Connor and Benjamin Newman), CodeCon 2006, San Francisco, February 12, 2006.
 33. "Welcoming Remarks", Singularity Summit at Stanford, Stanford University, May 13, 2006.
 34. "Teaching Judgment and Decision Making Through the Rationality Debate" (poster), BDRM2006 Pre-Conference on Teaching Decision Making, Santa Monica, California, June 15, 2006.
 35. "Noncompensatory Rules, Voting, and Welfare" (joint work with Raja Shah, Renee Trochet, & Katarina Ling), 8th International Meeting of the Society for Social Choice and Welfare, Istanbul, July 14-17, 2006.
 36. "Community Engagement and Online Deliberation" (workshop with Michael Levin and Laura O'Laughlin), 2006 National Conference on Dialogue and Deliberation, San Francisco, August 6, 2006 .
 37. "From Messages to Meetings: The Challenge and Promise of Online Deliberation" (invited talk), Towards e-Democracy: Participation, Deliberation, Communities (TED 06), Mantova, Italy, October 24, 2006 .
 38. "Displaying Asynchronous Reactions to a Document: Two Goals and a Design" (interactive poster with Benjamin Newman, Brendan O'Connor, Aaron Tam, and Leo Perry), 20th Anniversary ACM Conference on Computer Supported Cooperative Work (CSCW 2006), Banff, Alberta, Canada, November 6, 2006 (see Publications #13).
 39. "Open Spectrum: A Primer" (part of a panel on "Labor and Who Controls the Internet" with Chris Wittman, Dorothy Kidd, and Myoung Joon Kim), The Digital Revolution and a Labor Media Strategy - LaborTech 2006, University of San Francisco, November 19, 2006 (presentation repeated at the Technology and Politics Camp, San Francisco, December 17, 2006) .
 40. "Defense of the Internet and Telecommunications for High Value Content and for Democratic Control" (workshop with Sakura Saunders), The Digital Revolution and a Labor Media Strategy - LaborTech 2006, University of San Francisco, November 19, 2006.
 41. "Communication Infrastructure and Information as Forms of Private Property: A Behavioral Perspective on Technology Evolution" (invited talk, part of a panel on "The Technology (R)Evolution" with Cameron Hutchison and David S. Levine, chaired by Amy Landers), I Think I Can, I Think ICANN: Regulating the Internet...or Not, University of the Pacific McGeorge School of Law, Sacramento, February 23, 2007 (see Publications #15) .
 42. "Open Source Collaboration Apps in Rails" (Birds of a Feather session), RailsConf 2007, Portland, Oregon, May 18, 2007.
 43. "Civil Society and Regulation" (invited talk, Grassroots Discussion Panel #4 with Danny O'Brien, Pete TriDish, and Malkia Cyril, chaired by Seeta Gangadharan), 2007 Conference of the International Communication Association (ICA 2007), San Francisco, May 27, 2007 (see Publications #14).
 44. "WebOS Platforms and GPLv3/Affero", OSCamp 2007, Portland, Oregon, July 26, 2007.
 45. "Tools and Participation: Tales from the Trenches", Tools for Participation: Collaboration,

- Deliberation, and Decision Support (DIAC-2008/OD2008), University of California, Berkeley, June 28, 2008.
46. "*Deme*: Now A Modular CMS, Now in Django" (with Mike Mintz), Silicon Valley Codecamp_08, Foothill College, Los Altos, California, November 9, 2008 .
 47. "When Do New Social Media and Political Activists Converge/Match?" (introductory remarks with Mayo Fuster Morell, Rob Miller, Darian Rodriguez Heyman, Tim Costello, and Brendan Smith), Networked Politics and Technology Seminar, University of California, Berkeley, December 6, 2008.
 48. "Internet Telephony, Cell Phones, and Open Source for Labor" (workshop with Eric Goldhagen), The Digital Revolution and Labor Media Strategy (LaborTech 2008), University of San Francisco, December 7, 2008 .
 49. "Formal and Empirical Arguments for Open Web Access to Voting Records" (joint work with Jeffrey Gerard, Reid Chandler, and Gordon Lyon), Annual Meeting of the Public Choice Society, Las Vegas, Nevada, March 7, 2009 .
 50. "Design Features for the Social Web: The Architecture of *Deme*" (with Mike D. Mintz), 8th International Workshop on Web-Oriented Software Technologies (IWWOST 2009), Donostia-San Sebastián, June 23, 2009 (see Publications #17).
 51. "*Deme*: Content Management for the Social Web" (with Mike Mintz and Joseph Marrama), OSCamp 2009, San Jose, California, July 22, 2009.
 52. "Deme - An Open Web CMS/Framework for Social, Semantic Data" (with Joseph Marrama), OpenWebCamp, Stanford, September 26, 2009.
 53. "Relational Access Control with Bivalent Permissions in a Social Web/Collaboration Architecture" (with Mike D. Mintz), The 2010 International Symposium on Collaborative Technologies and Systems (CTS 2010), Lombard, Illinois, May 17-21, 2010 (see Publications #19).
 54. "Election Validity and Ballot Openness", The 10th International Meeting of the Society for Social Choice and Welfare, Moscow, Russia, July 21-24, 2010.
 55. "Defending The Internet, Democracy and Communication Tools" (panelist with Dorothy Kidd, Chris Witteman, and Bruce Wolf), LaborTech 2010, University of San Francisco, December 11, 2010.
 56. "Solidarity, Labor, and the Web II" (moderator with panelists Steve Ongerth, Karina Reyes, Pedro Joel Espinosa (translator), Dave Mitchell, Shara Esbenschade, and Alice Sunshine), LaborTech 2010, University of San Francisco, December 12, 2010.
 57. "Labor and Representation at KPFA" (co-moderator with Dorothy Kidd; panelists: Dennis Bernstein, Sabrina Jacobs, Maria Gilardin, and Steve Zeltzer), LaborTech 2010, University of San Francisco, December 12, 2010.
 58. "Let's Talk About 'Control by Users'" (Lightning Talk), DjangoCon 2011, Portland, OR, September 8, 2011.
 59. "Deme: A Django-Based CMS for Deliberative Content Creation and Control by Users" (with Noam Ben-Avi, Jimmy Tobin, and Mike Mintz), Silicon Valley Code Camp 2011, Foothill College, October 8, 2011.
 60. Doctoral Dissertation Colloquium (Co-Chair with Shivakant Mishra), The 2012 International Conference on Collaboration Technologies and Systems (CTS 2012), Westminster, Colorado, May 22, 2012.
 61. "Document-Centered Discussion and Decision Making in the Deme Platform" (demo, joint work with Mike D. Mintz, Jimmy Tobin, and Noam Ben-Avi), The 2012 International Conference on Collaboration Technologies and Systems (CTS 2012), Westminster, Colorado, May 23, 2012 (see Publications #21).
 62. "The Space of Conflict in Communicative Action: Implications for System Design" (plenary lecture),

- The 2012 International Conference on Collaboration Technologies and Systems (CTS 2012), Westminster, Colorado, May 24, 2012 (see Publications #20).
63. "An Internet Of, By, and For the People: Struggles and Successes in an Emerging Global Movement" (panelist with Chris Witteman and Mazi Buko Jara), LaborTech 2012, University of San Francisco, December 1, 2012.
 64. "Democracy and Labor and the Public" (Panelist with David Leadbeater), LaborTech 2012, University of San Francisco, December 1, 2012.
 65. "Freedom According to the Zapatistas: Lessons from the Escuelita" (panelist with Mary Ann Tenuto-Sanchez and Carolina Dutton), Tear Down the Walls National Gathering, Tucson, November 2, 2013.
 66. "Peace+Justice Studies Initiative at Stanford University" (with Linda Hess), Teaching Peace in the 21st Century: 6th Annual Summer Institute for Faculty, Kroc Institute for International Peace Studies, University of Notre Dame, June 20, 2014.
 67. "Digital Rights and Freedoms: A Framework for Surveying Users and Analyzing Policies", 6th International Conference on Social Informatics (SocInfo 2014), Barcelona, November 12, 2014 (see Publications #24).
 68. "Design for Online Deliberative Processes and Technologies: Towards a Multidisciplinary Research Agenda" (co-organizer with Lu Xiao, Weiyu Zhang, Anna Przybylska, Anna De Liddo, Gregorio Convertino, and Mark Klein), Special Interest Group (SIG) Meeting, 33rd Annual ACM Conference on Human Factors in Computing Systems (CHI'15), Seoul, April 22, 2015 (see Publications #25).
 69. "Equality of Participation in Online Versus Face to Face Deliberation: A Transcript and Experience Survey Analysis" (poster presentation with Eric Showers and Nathan Tindall), Communication and Technology Division, 65th Annual Conference of the International Communication Association (ICA), San Juan, Puerto Rico, May 23, 2015 (see Publications #27).
 70. Introduction and Greetings (with Steve Zeltzer), LaborTech 2015: The Gig Economy -- Labor Communication, Media and the Smart Phone, Stanford University, July 26, 2015 .
 71. "Lexicographic Voting and Party Positioning Across Multiple Elections" (poster presentation), Division 36: Elections and Voting Behavior, 111th Annual Meeting of the American Political Science Association (APSA), San Francisco, September 4, 2015.
 72. "Nonviolent Action Versus Diversity of Tactics in Contemporary Resistance Movements" (chair, with panelists Peter Gelderloos, Juliet Hooker, Omar Wasow, and Greisa Martinez), Ways to Justice: Perspectives on Nonviolence, Civil Resistance, and Self Defense, Stanford University, May 6, 2016.
 73. "The Frame of 'Violence' in Political Discourse", Peace and Justice Studies Association 2016 Annual Conference, Selkirk College, British Columbia, September 24, 2016.
 74. Panelist (with Cyril Velikanov, Weiyu Zhang, and Anna Przybylska), "Designing for Deliberation", Conference on New Perspectives for Dialogue: ICT and Inclusive Decision Making, University of Warsaw, October 12, 2016.
 75. "Edited, Transcribed, and Annotated Dialogue: Transforming Face to Face Discussion into Online Deliberation", Panel on "Recent Perspectives in Online Deliberation", Political Communication Division, 67th Annual Conference of the International Communication Association (ICA), San Diego, California, May 26, 2017.
 76. "Meeting Democracy Redux: Content Analysis of General Assembly Video Recordings from the Occupy Movement" (joint work with Jonah Bolotin, Andrew McCabe, Jack Sargent, Blue Sheffer, Rahul Singireddy, Zhi Ping Teo, and Samuel Weyens), 2017 International Conference on Deliberation and Decision Making: Interdisciplinary Perspectives on Civic Tech (DDM 2017), Singapore, June 23, 2017.
 77. "The Futurists Are Worried" (panelist with Mehmet Bayran), The Internet, Technology, The Gig

Economy and the Future of Labor, San Francisco, July 30, 2017.

78. "The Message or the Messenger? Inferring Virality and Diffusion Structure from Online Petition Signature Data" (joint work with Chi Ling Chan, Justin Lai, and Bryan Hooi), 9th International Conference on Social Informatics (SocInfo 2017), Oxford, UK, September 15, 2017 (see Publications #29).