

Stanford



Todd Davies

Acad Research & Pgrm Officer, and Lecturer, Symbolic Systems Program

 Curriculum Vitae available Online

Bio

BIO

I am the associate director and a lecturer in the Symbolic Systems Program, and a researcher at the Center for the Study of Language and Information, at Stanford University. I have a Ph.D. in cognitive psychology, an M.S. in data analysis and statistical computing, and a B.S. in statistics, all from Stanford. I have also served as a computer scientist at the Artificial Intelligence Center, SRI International, assistant professor of psychology at Koç University in Istanbul, and, most recently, faculty in residence at the Stanford Bing Overseas Studies Program in Oxford and a visiting fellow at Brasenose College. My research focuses on deliberation, technology and methods for social decision making, and information policy. My main website is <https://web.stanford.edu/~davies>.

CURRENT ROLE AT STANFORD

Associate Director, Symbolic Systems Program

Lecturer, Symbolic Systems Program

Researcher, Center for the Study of Language and Information

Faculty Affiliate, Wu Tsai Neurosciences Institute

Teaching

COURSES

2021-22

- Digital Technology, Society, and Democracy: SYMSYS 201 (Aut)
- Master's Program Seminar: SYMSYS 291 (Aut, Win, Spr)
- Peer Advising in Symbolic Systems: Practicum: SYMSYS 298 (Aut, Win, Spr)
- Senior Honors Seminar: SYMSYS 191 (Aut)
- Symbolic Systems Research Seminar: SYMSYS 280 (Aut, Spr)

2020-21

- Master's Program Seminar: SYMSYS 291 (Aut, Win, Spr)
- Peer Advising in Symbolic Systems: Practicum: SYMSYS 298 (Aut, Win, Spr)
- Research in Digital Democracy: SYMSYS 195D (Spr)
- Senior Honors Seminar: SYMSYS 191 (Aut)
- Symbolic Systems Research Seminar: SYMSYS 280 (Aut, Win, Spr)
- Symbolic Systems in Practice: SYMSYS 192 (Spr)

2019-20

- Digital Technology in the UK: OSPOXFRD 63 (Win)
- Digital Technology in the UK (Technical Version): OSPOXFRD 62 (Win)
- Digital Technology, Society, and Democracy: SYMSYS 201 (Aut)
- Master's Program Seminar: SYMSYS 291 (Aut, Spr)
- Peer Advising in Symbolic Systems: Practicum: SYMSYS 298 (Aut, Win, Spr)
- Senior Honors Seminar: SYMSYS 191 (Aut)
- Symbolic Systems Research Seminar: SYMSYS 280 (Aut, Spr)

2018-19

- A Practical Introduction to Symbolic Systems: SYMSYS 1P (Win)
- Cognitive Science Perspectives on Humanity and Well-Being: SYMSYS 203 (Spr)
- Master's Program Seminar: SYMSYS 291 (Aut, Win, Spr)
- Peer Advising in Symbolic Systems: Practicum: SYMSYS 298 (Aut, Win, Spr)
- Senior Honors Seminar: SYMSYS 191 (Aut)
- Symbolic Systems Research Seminar: SYMSYS 280 (Aut, Win, Spr)

Publications

PUBLICATIONS

- **Online Deliberation and #CivicTech: A Symposium** *Journal of Deliberative Democracy*
Zhang, W., Davies, T., Przybylska, A.
2021; 17 (1): 76-77
- **Digital Democracy: Episode IV---A New Hope, How a Corporation for Public Software Could Transform Digital Engagement for Government and Civil Society** *Digital Government: Research and Practice*
Gastil, J., Davies, T.
2020; 1 (1)
- **Coordination technology for active support networks: context, needfinding, and design** *AI & SOCIETY*
Rosenschein, S. J., Davies, T.
2018; 33 (1): 113-23
- **The Message or the Messenger? Inferring Virality and Diffusion Structure from Online Petition Signature Data** *Social Informatics: Proceedings of the 9th International Conference, SoCInfo 2017*
Chi Ling, C., Lai, J., Hooi, B., Davies, T.
Springer.2017: 499-517
- **Mind change: How digital technologies are leaving their mark on our brains (Book Review)** *NEW MEDIA & SOCIETY*
Book Review Authored by: Davies, T.
2016; 18 (9): 2139-41
- **Effectiveness of public deliberation methods for gathering input on issues in healthcare: Results from a randomized trial** *SOCIAL SCIENCE & MEDICINE*
Carman, K. L., Mallery, C., Maurer, M., Wang, G., Garfinkel, S., Yang, M., Gilmore, D., Windham, A., Ginsburg, M., Sofaer, S., Gold, M., Pathak-Sen, E., Davies, et al
2015; 133: 11-20
- **Equality of Participation Online Versus Face to Face: Condensed Analysis of the Community Forum Deliberative Methods Demonstration** *Electronic Participation: Proceedings of the 7th IFIP WG 8.5 International Conference, ePart 2015*
Showers, E., Tindall, N., Davies, T.
Springer.2015: 53-67

- **Design for Online Deliberative Processes and Technologies: Towards a Multidisciplinary Research Agenda** *Proceedings of the 33rd Annual ACM Conference Extended Abstracts on Human Factors in Computing Systems, CHI EA '15*
Xiao, L., Zhang, W., Przybylska, A., Convertino, G., Davies, T., Klein, M.
ACM.2015: 865–868
- **Digital Rights and Freedoms: A Framework for Surveying Users and Analyzing Policies** *6th International Conference on Social Informatics (SocInfo)*
Davies, T.
SPRINGER-VERLAG BERLIN.2014: 428–443
- **Community Forum Deliberative Methods Demonstration: Evaluating Effectiveness and Eliciting Public Views on Use of Evidence**
Carman, K. L., Maurer, M., Mallery, C., Wang, G., Garfinkel, S., Richmond, J., Gilmore, D., Windham, A., Yang, M., Mangrum, R., Ginsburg, M., Sofaer, S., Fernandez, et al
Agency for Healthcare Research and Quality. Washington, D.C.
2014 ; AHRQ Publication (14-EHC007-EF):
- ##### [translation of "Online Deliberation Design: Choices, Criteria, and Evidence"]
Davies, T., Chandler, R., Translator: Kulik, A.
2013: 83-132
- **Online Deliberation Design: Choices, Criteria, and Evidence** *Democracy in Motion: Evaluating the Practice and Impact of Deliberative Civic Engagement*
Davies, T., Chandler, R.
Oxford University Press.2012: 103–131
- **The Space of Conflict in Communicative Action: Implications for System Design** *Proceedings of the 2012 International Conference on Collaboration Technologies and Systems, CTS 2012*
Davies, T.
IEEE.2012: xxxiv-xxxv
- **Document-Centered Discussion and Decision Making in the Deme Platform** *Proceedings of the 2012 International Conference on Collaboration Technologies and Systems, CTS 2012*
Davies, T., Mintz, M. D., Tobin, J., Ben-Avi, N.
IEEE.2012: lxxv-lxxviii
- **Relational Access Control with Bivalent Permissions in a Social Web/Collaboration Architecture** *Proceedings of the 2010 International Symposium on Collaborative Technologies and Systems, CTS 2010*
Davies, T., Mintz, M. D.
IEEE.2010: 57–66
- **Online Deliberation: Design, Research, and Practice** *CSLI Lecture Notes*
edited by Davies, T., Gangadharan, S. P.
CSLI Publications/University of Chicago Press.2009: 182
- **Design Features for the Social Web: The Architecture of Deme** *Proceedings of the 8th International Workshop on Web-Oriented Software Technologies, IWWOOST 2009*
Davies, T. R., Mintz, M. D.
2009: 40–51
- **An Online Environment for Democratic Deliberation: Motivations, Principles, and Design** *Online Deliberation: Design, Research, and Practice*
Davies, T., O'Connor, B., Cochran, A., Effrat, J. J., Parker, A., Newman, B., Tam, A.
CSLI Publications/University of Chicago Press.2009: 275–292
- **Introduction: The Blossoming Field of Online Deliberation** *Online Deliberation: Design, Research, and Practice*
Davies, T.
CSLI Publications/University of Chicago Press.2009: 1–19
- **A Behavioral Perspective on Technology Evolution and Domain Name Regulation** *Pacific McGeorge Global Business & Development Law Journal*
Davies, T.
2008; 21 (1): 1-25

- **Document Centered Discussion: A Design Pattern for Online Deliberation** *Liberating Voices: A Pattern Language for Communication Revolution*
Davies, T., Newman, B., O'Connor, B., Tam, A., Perry, L.
MIT Press.2008: 384–386
- **Remarks for Grassroots Discussion Panel on Civil Society and Regulation** *Alternatives on Media Content, Journalism, and Regulation: The Grassroots Discussion Panels at the 2007 ICA Conference*
Davies, T.
Tartu University Press.2007: 63–66
- **Displaying Asynchronous Reactions to a Document: Two Goals and a Design [Original Version of "Document Centered Discussion: A Design Pattern for Online Deliberation"]** *Conference on Computer Supported Cooperative Work, 20th Anniversary -Conference Supplement*
Davies, T., Newman, B., O'Connor, B., Tam, A., Perry, L.
Association for Computing Machinery.2006: 169–170
- **Radical contingency in sharing behavior and its consequences** *BEHAVIORAL AND BRAIN SCIENCES*
Davies, T.
2005; 28 (6): 821–+
- **Community Democracy Online: A Preliminary Report from East Palo Alto**
Davies, T., Sywulka, B., Saffold, R., Jhaveri, R.
Political Research Online (PROceedings): 98th Annual Meeting of the American Political Science Association.
2002
- **Confidence Following Choice** *Ph.D. Dissertation, Department of Psychology*
Davies, T. R.
Stanford University.1995
- **Knowledge Bases and Neural Network Synthesis** *Artificial Intelligence in the Pacific Rim: Proceedings of the Pacific Rim International Conference on Artificial Intelligence*
Davies, T.
IOS Press, Inc..1991: 717–722
- **A Logical Approach to Reasoning by Analogy [Originally published in Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI), 1987]** *Readings in Machine Learning*
Davies, T. R., Russell, S. J.
Morgan Kaufman Publishers, Inc..1990: 657–663
- **Some Notes on the Probabilistic Semantics of Logistic Function Parameters in Neural Networks** *Neural Networks*
Davies, T. R.
1988; 1: 88
- **A Survey of Architectures for Distributed Artificial Intelligence**
Davies, T. R.
Artificial Intelligence Center, SRI International. Menlo Park, CA.
1988 ; Technical Note (424):
- **Determination, Uniformity and Relevance: Normative Criteria for Generalization and Reasoning by Analogy** *Analogical Reasoning: Perspectives of Artificial Intelligence, Cognitive Science, and Philosophy*
Davies, T. R.
Kluwer Academic Publishers.1988: 227–250
- **Commonsense Metaphysics and Lexical Semantics** *Computational Linguistics*
Hobbs, J. R., Croft, W., Davies, T., Edwards, D., Laws, K.
1987; 13 (3&4): 241-250
- **Analogy**
Davies, T.
Center for the Study of Language and Information, Stanford University. Stanford, CA.
1985 ; CSLI Informal Notes (IN-CSLI-85-4):