

**Cornell Microsoft International Symposium on
Self-Organizing Online Communities**

March 29-31, 2007

Speaker Biographies

John M. Abowd is the Edmund Ezra Day Professor of Industrial and Labor Relations and Professor of Information Science at Cornell University, Director of the Cornell Institute for Social and Economic Research (CISER), Distinguished Senior Research Fellow at the United States Census Bureau, Research Associate at the National Bureau of Economic Research (NBER, Cambridge, MA), Research Affiliate at the Centre de Recherche en Economie et Statistique (CREST, Paris, France), and Research Fellow at IZA (Institute for Labor Economics, Bonn, Germany). He has taught and done research at Cornell University since 1987, including seven years on the faculty of the Johnson Graduate School of Management. Professor Abowd's current research focuses on the creation and use of linked, longitudinal data on employees and employers. In his work at the Census Bureau he provides scientific leadership for the Longitudinal Employer-Household Dynamics Program, which produces research and public-use data integrating demographic surveys, economic surveys, and administrative data. The LEHD Program's public use data products include the Quarterly Workforce Indicators (<http://lehd.dsd.census.gov/led/index.html>), the most detailed time series data produced on the demographic characteristics of local labor markets and On The Map (<http://lehdmap.dsd.census.gov/>), a user-driven mapping tool for studying work-related commuting patterns. His original and ongoing research on integrated labor market data is done in collaboration with the Institut National de la Statistique et des Etudes Economiques (INSEE), the French national statistical institute. As a part of the Cornell Institute for the Social Sciences Networks Theme Project (2005-2008 "Getting Connected: Social Science in the Age of Networks"), he is studying the network structure of employment and wages as employer and worker connections evolve over time. Prof. Abowd's other research interests include statistical methods for confidentiality protection of micro data; international comparisons of labor market outcomes; executive compensation, again, with a focus on international comparisons; bargaining and other wage-setting institutions; and the econometric tools of labor market analysis. Prof. Abowd is currently the Principal Investigator or Co-Principal Investigator for multiyear grants and contracts from the National Science Foundation, the National Institute on Aging, and the U.S. Census Bureau. He has published articles in the *American Economic Review*, *Econometrica*, the *Review of Economics and Statistics*, the *Quarterly Journal of Economics*, the *Journal of the American Statistical Association*, and other major economics and statistics journals. Prof. Abowd was on the faculty at Princeton University, the University of Chicago, and the Massachusetts Institute of Technology before coming to Cornell. When he is not traveling to Washington and Paris for his research program, he enjoys polishing his French and playing many different sports.

Lada A. Adamic is an Assistant Professor in the School of Information and the Center for the Study of Complex Systems at the University of Michigan. Her research interests center on information dynamics in networks: how information diffuses, how it can be found, and how it influences the evolution of a network's structure. Her previous projects included mining the medical literature for gene-disease connections, tracking and modeling information flow in E-mail and blog networks, modeling search processes on real-world social networks, and building expertise-finding systems.

Elisabeth Bauer studied political science, philosophy, islamic science and semitic philology in Munich, Münster and Cergy-Pontoise. After her Master in political science she worked as a journalist for various IT magazines. Since 2002 she accompanies the Wikipedia project as participant and researcher. A founding member of Wikimedia Germany, she served two years on the board of Wikimedia Germany. Currently she is working as a researcher at Frankfurt University and pursuing a PhD in sociology. Email: ebauer@soz.uni-frankfurt.de.

Nancy Baym is an Associate Professor of Communication Studies at the University of Kansas. She has published on the topics of online community and the place of the internet in personal relationships. She is a co-founder and past-president of the Association of Internet Researchers and serves on the editorial boards of many of the premiere new media and communication journals. Her current projects examine the discourse surrounding the reception of the internet as an interpersonal medium and music fandom in social networking sites such as Last.fm.

Larry Blume is a Professor of Information Science and Goldwin Smith Professor of Economics at Cornell, a member of the External Faculty at the Santa Fe Institute, and a Fellow of the Econometric Society. His research interests include learning, sorting and selection in markets, decision theory and the mediation of economic phenomena by social networks,

Coye Cheshire's (Assistant Professor, UC-Berkeley School of Information) work focuses on how various forms of exchange are produced and maintained in our everyday life and how we use information to make decisions before and after we enter into social exchange with others. He is particularly interested in computer-mediated exchanges, such as those that occur on the Internet. His current research topics include: the role of information as the object of exchange in social exchange environments, the effects of social incentives in online exchange systems, and the development of trust and cooperation in exchange networks (including across societies).

Noshir Contractor (www.uiuc.edu/ph/www/nosh) is a Professor in the Department of Speech Communication, Department of Psychology, the Graduate School of Library & Information Science, and the Coordinated Science Laboratory at the University of Illinois at Urbana-Champaign. He is Director of the Science of Networks in Communities (SONIC) Group at the National Center for Supercomputing Applications, Co-Director of the Age of Networks Initiative at the Center for Advanced Study at the University of Illinois at Urbana-Champaign and a Research Affiliate of the Beckman Institute for Advanced Science and Technology. His research program is investigating factors that lead to the formation, maintenance, and dissolution of dynamically linked knowledge networks in a wide range of communities. He has been funded continuously for the past decade by major grants from the U.S. National Science Foundation, as well as by NASA, the National Institutes of Health, Rockefeller Foundation and the European Union.

Dan Cosley is freshly minted PhD from the Minnesota computer science department. He is a visiting assistant professor in Communication, teaching courses in human-computer interaction. His primary interest is helping groups make sense and use of information. His recent work focuses on designing systems that encourage members to contribute more to shared community resources, combining social science theory, HCI design principles,

and computational tools to motivate participation. He is also interested in the more general problem of how to apply theories of behavior to the design of systems in a way that helps future designers and theorists use the results. His prior work focused on recommender systems, especially new ways to use recommendation algorithms, better interfaces for recommender systems, and better methods for evaluating their utility. He also helped teach Google how to play "Who Wants to Be a Millionaire?" As a systems builder, he developed the SuggestBot tool for Wikipedia, played an important role in building the successful research recommendation system MovieLens, and developed the SmartShopper, a successful mobile shopping list application.

Paul DiMaggio is Professor of Sociology at Princeton University. He has studied social inequality in access to and use of digital technology; the role of network externalities in systems where people care about the identities of other adopters; and the conditions under which social networks appear to reduce uncertainty in consumer market. He is interested in how trust and commitment are established in online communities, and in the potential of such communities to serve as complements to markets and formal organizations in the areas of culture and politics.

David Easley is the Henry Scarborough Professor of Social Science and a Professor of Economics at Cornell University. His research is in the fields of economics, finance and decision theory. In economics, he and Larry Blume work on learning and selection in stochastic intertemporal general equilibrium models. In finance, his work with Maureen O'Hara focuses on market microstructure and asset pricing. In decision theory, he works on modeling decision making in complex environments.

Andrew T. Fiore is a graduate student at the UC-Berkeley School of Information, where he studies the social psychology of mediated communication with a particular focus on romantic relationship formation. Other interests include quantitative data analysis, information visualization, and user interface designs for social interaction. He also co-developed and co-teaches the graduate course Computer-Mediated Communication at the School of Information. Fiore holds a bachelor's degree from Cornell and a master's degree from the MIT Media Lab; he has worked as an intern at Microsoft Research.

Geri Gay is the Kenneth J. Bissett Professor and Chair of Communication at Cornell University and a Stephen H. Weiss Presidential Fellow. She is also a member of the Faculty of Computer and Information Science and the director of the Human Computer Interaction Lab at Cornell University. She is co-directing the Institute of Social Sciences theme project on social networks and networking. Her research focuses on social and technical issues in the design of interactive communication technologies. Specifically, she is interested in social navigation, affective computing, social networking, mobile computing, and design theory. Professor Gay has received funding for her research and design projects from the National Science Foundation (NSF), NASA, the Mellon Foundation, Intel, Microsoft, the AT&T Foundation, IBM, Google and several private donors. She teaches courses in interactive multimedia design and research, computer-mediated communication, human-computer interaction, and the social design of communication systems.

Daniel Huttenlocher is the John P. and Rilla Neafsey Professor of Computing, Information Science and Business at Cornell University, where he holds a joint appointment in the Computer Science Department and the Johnson Graduate School of Management. His research interests are in computer vision, online social networks, electronic collaboration tools, computational geometry and financial trading systems. Huttenlocher has been recognized on several occasions for his teaching and research, including being named a Presidential Young Investigator by the NSF in 1990, the New York State Professor of the Year by CASE in 1993, and a Stephen H. Weiss Fellow by Cornell in 1996. He holds twenty-four U.S. patents and has published more than sixty technical papers. In addition to academic posts he has been chief technology officer of Intelligent Markets, a provider of advanced trading systems on Wall Street, and spent more than ten years at Xerox PARC where he directed work that led to the ISO JBIG2 image-compression standard.

Karrie Karahalios is an assistant professor in computer science at the University of Illinois where she heads the Social Spaces Group. Her work focuses on the interaction between people and the social cues they perceive in networked electronic spaces. Of particular interest are interfaces for public online and physical gathering spaces such as chatrooms, cafes, parks, etc. The goal is to create interfaces that enable users to perceive conversational patterns that are present, but not obvious, in traditional communication interfaces. Karrie completed a S.B. in electrical engineering, an M.Eng. in electrical engineering and computer science, and an S.M. and Ph.D in media arts and science at MIT.

Bryan Kirschner is Director of Platform Community with the Open Source Software Lab at Microsoft, a center of excellence for applied research, technical analysis, and program development for community-driven software development. After several years applying a passion for statistics and operational research to policy analysis in the public sector, he joined Microsoft in 1999. His first IDE was a hand-me-down IBM flowcharting template from when ANSI X3.5 was still in draft, a pencil, and construction paper.

Jon Kleinberg is a Professor in the Department of Computer Science at Cornell University. His research is focused on issues at the interface of networks and information, with an emphasis on the social and information networks that underpin the Web and other on-line media. He is the recipient of an NSF Career Award, an ONR Young Investigator Award, research fellowships from the MacArthur, Packard, and Sloan Foundations, teaching awards from the Cornell Engineering College and Computer Science Department, the Rolf Nevanlinna Prize from the International Mathematical Union, and the National Academy of Sciences Award for Initiatives in Research.

Gueorgi Kossinets is a postdoctoral associate in the Department of Sociology at Cornell University. He received his PhD from Columbia in 2006 and prior to that studied physics and worked in IT in Russia. His research interests are centered on large-scale social networks: how networks evolve, and how they affect diffusion of information, decision making, and success of distributed collaborations.

Robert Kraut is the Herbert A. Simon Professor of Social Psychology and Human-Computer Interaction at Carnegie Mellon University. He has broad interests in the design and social impact of computing and has conducted empirical research on office automation and employment quality, technology and home-based employment, the communication needs of collaborating scientists, the design of information technology for small-group intellectual work, and the impact of the Internet on organizations, households and individuals. His research on the social impact of the Internet has identified conditions under which heavy use of the Internet reduces psychological well-being. For example, although using the Internet for health information reduces depression among those with a serious illness, it increases depression among the majority of users, who do not have a serious illness themselves nor care for others with serious illnesses. His recent research examines the application of social science theory to the analysis and design of online communities.

Ravi Kumar joined Yahoo! Research in July 2005. Prior to this, he was a research staff member at the IBM Almaden Research Center in the Computer Science Principles and Methodologies group. His primary interests are web algorithms, algorithms for large data sets, and theory of computation. He obtained his PhD in Computer Science from Cornell University in December 1997.

Michael Macy is Goldwin-Smith Professor of Sociology at Cornell. In a series of studies funded by the National Science Foundation, his research team used computational models and laboratory experiments with human subjects to explore how "tipping points" in network interactions might generate familiar but enigmatic social patterns, such as the emergence and collapse of fads, the spread of self-destructive behaviors, and the polarization of opinion. Macy pioneered the use of agent-based models in sociology to explore the population dynamics of local interactions based on homophily, social influence, and learning in social networks (<http://hsd.soc.cornell.edu/Macy.htm>). He now works with a team of social, information, and computer scientists who are studying the formation of on-line communities and the diffusion of norms and innovations on the Web (<http://www.news.cornell.edu/stories/Sept05/NSFcybertools.dea.html>). He also co-leads a Cornell initiative to promote cross-disciplinary collaborative research and teaching on social and information networks (http://www.socialsciences.cornell.edu/0508/networks_desc.html).

Cameron Marlow is a research scientist studying online with Yahoo! Research. His research covers a range of topics including social incentives for participation, large-scale community modeling, information diffusion, the effects of the internet on social capital. Marlow holds a Ph.D. in Media Arts and Sciences from the Massachusetts Institute of Technology.

Katherine Milton is Director of the Aesthetic Technologies Lab of Ohio University's College of Fine Arts. She is co-editor (with Dr. Lizbeth Goodman) of a collection of essays and case studies focusing on collaborative practices between artists and technologists entitled "A Guide to Good Practice in Collaborative Working Methods and New Media Tools Creation" (AHDS, 2005). Her workshops focusing on e-learning, and online content delivery strategies have been hosted internationally, with sponsorship from such organizations as the European Commission for the Arts, and the British Council of Morocco. Dr. Milton completed her Ph.D. studies in Educational Media at Arizona State University where she worked extensively at the Institute for Studies in the Arts, under

Richard Loveless. Her scholarly works focus on the leadership dynamics, communication, creativity and community in intentional online worlds.

Peter Monge is Professor of Communication at the Annenberg School for Communication and Professor of Management and Organization at the Marshall School of Business, University of Southern California. His most recent book (with Noshir Contractor), *Theories of Communication Networks*, was published by Oxford University Press in 2003. He has also published *Communicating and Organizing* (with Vince Farace and Hamish Russell), *Multivariate Techniques in Human Communication Research* (with Joe Cappella), *Policing Hawthorne* (with Janet Fulk and Greg Patton) and *Reasoning with Statistics* (5th ed, with Fred Williams). His research on organizational communication networks, collaborative information systems, globalization and communication processes, evolutionary theory, and research methods has been published in numerous leading communication and organizational journals, handbooks, and book chapters. He is a fellow and former president of the International Communication Association (1997-1998) and a former editor of *Communication Research* (1986 to 1993). In 2003 he received the Distinguished Scholar award from the Organizational Communication and Information Systems Division of the Academy of Management and the 2004 Research Award from the Organizational Communication Division of the National Communication Association. In 2006 he received the B. Aubrey Fisher Mentorship Award from the International Communication Association. Contact information: email address, Monge@usc.edu; website, www-rcf.usc.edu/~monge; office phone, 213-740-0921.

Kathleen O'Connor is an Associate Professor of Management and Organizations at the Johnson Graduate School of Management, Cornell University. She is a social psychologist who uses experimental methods to study how people perceive and navigate interpersonal situations, particularly those marked by conflict. Most of her research investigates how people negotiate. Current work focuses on the impact of negotiators' reputations on their ability to reach efficient deals.

Trevor Pinch is Professor of Sociology and Professor and Chair of Science and Technology Studies at Cornell University. He holds degrees in physics and sociology. He has published fourteen books and numerous articles on aspects of the sociology of science and technology. His studies have included quantum physics, solar neutrinos, parapsychology, health economics, the bicycle, the car, and the electronic music synthesizer. His most recent books are How Users Matter (edited with Nelly Oudshoorn, MIT Press, 2003), Analog Days: The Invention and Impact of the Moog Synthesizer (with Frank Trocco, Harvard University Press, 2002) <http://www.hup.harvard.edu/features/pinana/> and Dr Golem: How To Think About Medicine (with Harry Collins, Chicago University Press, 2005). Analog Days was the winner of the 2003 silver award for popular culture "Book of the Year" of Foreword Magazine. The Golem: What You Should Know About Science (with Harry Collins, Cambridge: Canto 1998 2nd edition) was winner of the Robert Merton prize of the American Sociological Association. He is currently researching the online music community ACIDplanet.com.

Paul Resnick is a Professor at the University of Michigan School of Information. He previously worked as a researcher at AT&T Labs and AT&T Bell Labs, and as an Assistant Professor at the MIT Sloan School of Management. He received the master's

and Ph.D. degrees in Electrical Engineering and Computer Science from MIT, and a bachelor's degree in mathematics from the University of Michigan. Professor Resnick's research focuses on SocioTechnical Capital, productive social relations that are enabled by the ongoing use of information and communication technology. His current projects include analyzing and designing reputation systems, ride share coordination services, and applying principles from economics and social psychology to the design of on-line communities. Resnick was a pioneer in the field of recommender systems (sometimes called collaborative filtering or social filtering). Recommender systems guide people to interesting materials based on recommendations from other people. His articles have appeared in Scientific American, Wired, Communications of the ACM, The American Economic Review, Management Science, and many other publications.

Marc Smith is a senior research sociologist at Microsoft Research specializing in the social organization of online communities and computer mediated interaction. He leads the Community Technologies Group at MSR. He is the co-editor of Communities in Cyberspace (Routledge), a collection of essays exploring the ways identity; interaction and social order develop in online groups. Smith's research focuses on computer-mediated collective action: the ways group dynamics change when they take place in and through social cyberspaces. Many "groups" in cyberspace produce public goods and organize themselves in the form of a commons (for related papers see: <http://www.research.microsoft.com/~masmith>). Smith's goal is to visualize these social cyberspaces, mapping and measuring their structure, dynamics and life cycles. He has developed a web interface (<http://netscan.research.microsoft.com>) to the "Netscan" engine that allows researchers studying Usenet newsgroups to get reports on the rates of posting, posters, crossposting, thread length and frequency distributions of activity. This research offers a means to gather historical data on the development of social cyberspaces and can be used to highlight the ways these groups differ from, or are similar to, face-to-face groups. Smith is applying this work to the development of a generalized community platform for Microsoft, providing a web based system for groups of all sizes to discuss and publish their material to the web. Smith received a B.S. in International Area Studies from Drexel University in Philadelphia in 1988, an M.Phil. in social theory from Cambridge University in 1990, and a Ph.D. in Sociology from UCLA in 2001.

David Strang is Professor of Sociology at Cornell University. His research is in the areas of organizational studies, political sociology, and the development of models and methods for the study of diffusion processes. Recent research examines mimicry and learning in a global bank, the spread of municipal opposition to the Patriot Act, and downsizing in the public sector.

Éva Tardos received her Ph.D. at Eötvös University in Budapest, Hungary in 1984. After teaching at Eötvös and the MIT, she joined Cornell in 1989. She is currently the chair of the Computer Science department at Cornell. She is a member of the National Academy of engineering, American Academy of Arts and Sciences, an ACM Fellow, INFORMS fellow, was a Guggenheim Fellow, a Packard Fellow, a Sloan Fellow; an NSF Presidential Young Investigator; and has received the Fulkerson Prize in 1988, and the Dantzig prize in 2006. She is the editor editor-in-Chief of SIAM Journal of Computing, and editor of several other journals including Journal of the ACM, and Combinatorica.

Andrew Tomkins joined Yahoo! Research in 2005 from IBM. His research over the last eight years has focused on measurement, modelling, and analysis of content, communities, and users on the World Wide Web. Prior to joining Yahoo! Research, he managed the "Information Management Principles" group at IBM's Almaden Research Center, and served as Chief Scientist on the WebFountain project. Andrew received Bachelors degrees in Mathematics and Computer Science from MIT, and a PhD in CS from Carnegie Mellon University.

Jeff Ubois is president of the Hillside Club, which provides support for public affairs discussions, arts, and culture in Berkeley, California. He is a consultant to WNET/Channel 13, Fujitsu Labs of America, and Intelligent Television, that specializes in open content, online video, and public media. In 2004-2005, he was staff research associate at UC Berkeley's School of Information Management and Systems, where focused on public memory, open content, and television archiving. He blogs at <http://www.archival.tv>, and has been published in First Monday, Release 1.0, the Journal of Digital Information, ComputerWorld, and others.

Fernanda B. Viégas is a research scientist in IBM's Visual Communication Lab. Her work focuses on social and collaborative aspects of data visualization. Viégas is well known for her research on the representation of online communities to support online identity, collective memory, and story-telling. Previous projects explored e-mail archives, newsgroup conversations, chatroom interactions, and the editing history of wiki pages. Her visualization-based artwork has been exhibited in galleries in New York, Los Angeles, and Boston.

Barry Wellman is the S.D. Clark Professor of Sociology at the University of Toronto where he directs the NetLab. He has been involved in more than 200 published papers and has edited three books, the most recent being *_The Internet in Everyday Life_*. The paper presented here is part of the Connected Lives project, studying social networks and ICTs in the East York section of Toronto.