

Joan Morris DiMicco

SUMMARY

My expertise is in understanding the impact of technology on human behavior. I have a hybrid of design, engineering, and analysis skills and I am interested in opportunities working in the areas of team collaboration and technology innovation.

EDUCATION

- 2005 **PhD, MIT Media Laboratory**
Massachusetts Institute of Technology, Cambridge, MA
*Thesis: "Changing Small Group Interaction through
Visual Reflections of Social Behavior"*
- 2001 **MS, MIT Media Laboratory**
Massachusetts Institute of Technology, Cambridge, MA
Thesis: "A Simulation-based Approach to Dynamic Pricing"
- 1995 **BS, Applied Mathematics**
Brown University, Providence, RI

EMPLOYMENT

- 2006-present **IBM T.J. Watson Research Center**, Research Scientist, Cambridge, MA
- 2005-6 **Sun Microsystems Inc.**, Research Scientist, Burlington, MA
- 2005 **Harvard University, Dept. of Psychology**, Postdoctoral Fellow, Cambridge, MA
- 2005 **MIT Media Lab**, Postdoctoral Associate, Cambridge, MA
- 1999-2005 **MIT Media Lab**, Research Assistant, Cambridge, MA
Telecom Italia Fellow, 1999-2000.
- 2000 **IBM Almaden Research Center**, Summer Research Intern, San Jose, CA
- 1998-1999 **Bowne Internet Solutions (formerly Open Sesame)**,
Technical Lead on Consulting Team, Cambridge, MA
- 1997-1998 **Open Sesame**, Web Developer, Cambridge, MA
Led the technical implementation of the company's entertainment website, showcasing the possibilities of agent-driven recommendations on an ecommerce website.
- 1995-1997 **First Virtual Holdings, Inc.**, Webmaster, San Diego, CA
Designed and implemented the initial release of the company's intranet in 1996, including workflow applications and content management systems.

PUBLICATIONS

*journal
papers*

JM DiMicco, KJ Hollenbach, A Pandolfo, W Bender. (2007) “The Impact of Increased Awareness while Face-to-Face.” Special Issue on Awareness Systems Design, *Human-Computer Interaction*. Volume 22 (2007), Number 1.

MI Norton, **JM DiMicco**, R Caneel, D Ariely. (2004) “AntiGroupWare and Second Messenger – Simple Systems for Improving (And Avoiding) Meetings.” *BT Technology Journal*. Vol. 22, No 4, October, 2004.

JM DiMicco, P Maes, Amy Greenwald. (2003) “Learning Curve: A Simulation-Based Approach to Dynamic Pricing.” Special Issue on Aspects of Internet Agent-based E-Business Systems, *Journal of Electronic Commerce Research*. Vol. 3, Issues 3-4, pp. 245-276.

*conference
proceedings*

R Farzan, **JM DiMicco**, DR Millen, B Brownholtz, W Geyer, C Dugan. (2008) “When the experiment is over: Deploying an incentive system to all the users.” *Symposium on Persuasive Technology, In conjunction with the AISB 2008 Convention*, Aberdeen, Scotland, April 2008.

R Farzan, **JM DiMicco**, DR Millen, B Brownholtz, W Geyer, C Dugan. (2008) “Results from Deploying a Participation Incentive Mechanism within the Enterprise.” *Conference on Human Factors in Computing Systems (CHI 2008)*, Florence, Italy, April 2008.

W Geyer, C Dugan, **JM DiMicco**, DR Millen, B Brownholtz, M Muller. (2008) “Use and Reuse of Shared Lists as a Social Content Type.” *Conference on Human Factors in Computing Systems (CHI 2008)*, Florence, Italy, April 2008.

JM DiMicco, W Bender. (2007) “Group Reactions to Visual Feedback Tools.” *Full Paper, Proceedings of the Second International Conference on Persuasive Technology*, April 26-27, 2007, Stanford, CA.

N Yankelovich, J Kaplan, J Provino, M Wessler, **JM DiMicco**. (2006) “Improving Audio Conferencing: Why two ears are better than one.” *Full Paper, Proceedings of ACM Conference on Computer Supported Cooperative Work (CSCW 2006)*, Nov 2006.

JM DiMicco, KJ Hollenbach, W Bender. (2006) “Using Visualizations to Review a Group’s Interaction Dynamics.” *Extended Abstract, Conference on Human Factors in Computing Systems (CHI 2006)*, Montreal, Quebec, Canada, April 2006.

JM DiMicco, A Pandolfo, W Bender. (2004) “Influencing Group Participation with a Shared Display.” *Full Paper, Proceedings of ACM Conference on Computer Supported Cooperative Work (CSCW 2004)*, Chicago, IL, November 2004.

JM DiMicco. (2004) “Designing Interfaces that Influence Group Processes.” *Doctoral Consortium, Proceedings of the ACM Conference on Human Factors in Computer Systems (CHI 2004)*, Vienna, Austria, April 2004.

PUBLICATIONS, CON'T

conference
proceedings
(con't)

JM DiMicco, A Greenwald, P Maes. (2001) "Dynamic Pricing Strategies under a Finite Time Horizon." *Full Paper, Proceedings of the ACM Conference on Electronic Commerce (EC'01)*, Tampa, FL, October 2001.

J Morris, P Maes, A Greenwald. (2001) "Learning Curve: Analysis of an Agent Pricing Strategy Under Varying Conditions." *Full Paper, Proceedings of the 2001 International Conference on Artificial Intelligence (IC-AI'2001)*, Las Vegas, NV, June 2001.

J Morris, P Maglio. (2001) "When Buying On-line, Does Price Really Matter?" *Extended Abstract, Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2001)*, Seattle, WA, April 2001.

J Morris, P Ree, P Maes. (2000) "Sardine: Dynamic Seller Strategies in an Auction Marketplace." *Full Paper, Proceedings of the ACM Conference on Electronic Commerce (EC '00)*, Minneapolis, MN, October 2000.

conference
posters &
demos

JM DiMicco, N Yankelovich. (2007) "Constellation: Using Visualization to Find the Path to Experts." Poster Presentation at the ACM Conference on Organizational Computing and Goupware Technologies (GROUP 2007), Nov 2007.

JM DiMicco, W Bender. (2004) "Second Messenger: Increasing the Visibility of Minority Viewpoints with a Face-to-face Collaboration Tool." *Poster Presentation, Proceedings of the ACM Conference on Intelligent User Interfaces (IUI04)*, Madeira, Portugal, January 2004.

JM DiMicco, V Lakshmiathy, AT Fiore. (2002) "Conductive Chat: Instant Messaging With a Skin Conductivity Channel." *Poster Presentation, Proceedings of ACM Conference on Computer Supported Cooperative Work (CSCW 2002)*, New Orleans, LA, November 2002.

J Morris, P Maes. (2001) "Understanding Dynamic Pricing Agents." *Software Demo, Proceedings of the Fifth International Conference on Autonomous Agents (Agents 2001)*, Montreal, Canada, May 2001.

J Morris, P Maes. (2000) "Sardine: An Agent-facilitated Airline Ticket Bidding System." *Software Demo, Proceedings of the Fourth International Conference on Autonomous Agents (Agents 2000)*, Barcelona, Catalonia, Spain, June 2000.

J Youll, **J Morris**, R Krikorian, P Maes. (2000) "Impulse: Location-based Agent Assistance." *Software Demo, Proceedings of the Fourth International Conference on Autonomous Agents (Agents 2000)*, Barcelona, Spain, June 2000.

PUBLICATIONS, CON'T

*workshop
papers*

JM DiMicco, DR Millen. (2008) "People Sensemaking with Social Networking Sites." *Sensemaking Workshop, Conference on Human Factors in Computing Systems (CHI 2008)*, Florence, Italy, April 2008.

JM DiMicco. (2007) "Enriching Encounters with Social Networks." *Shared Encounters Workshop, Conference on Human Factors in Computing Systems (CHI 2007)*, San Jose, CA , April 2007.

JM DiMicco, KJ Hollenbach. (2006) "Visualization of Audio: A social tool for face-to-face groups." *Social Visualization Workshop, Conference on Human Factors in Computing Systems (CHI 2006)*, Montreal, Quebec, Canada, April 2006.

JM DiMicco. (2005) "Evaluating Collaboration Technology Using User-Centered Design and Input-Process-Output Methodologies." *Workshop on User-Centered Design and Evaluation of Services for Human-Human Communication and Collaboration, International Conference on Multimodal Interfaces (ICMI 2005)*, Trento, Italy, October 2005.

JM DiMicco. (2004) "Methodologies for Evaluating Co-Located Collaboration." *Workshop on Methodologies for Evaluating Collaboration in Co-Located Environments, ACM Conference on Computer Supported Cooperative Work (CSCW 2004)*, Chicago, IL, November 2004.

JM DiMicco. (2002) "Mobile Ad-hoc Voting." *Workshop on Mobile Ad-hoc Collaboration, ACM Conference on Human Factors in Computing Systems (CHI 2002)*, Minneapolis, MN, April 2002.

J Morris, P Maes. (2000) "Negotiating Beyond the Bid Price." *Workshop on Designing Interactive Systems for 1-to-1 E-commerce, ACM Conference on Human Factors in Computing Systems (CHI 2000)*, The Hague, The Netherlands, April 2000.

LEADERSHIP

- invited talks*
- Harvard University*, Psychology Department, Cambridge, MA, February 2008.
 - Fox School of Business, Temple University*, Invited panel, Philadelphia, PA, Jan 2008.
 - Lotusphere Conference*, with Irene Grief, Orlando, FL, January 2008.
 - Sun Labs*, Research Open House, Menlo Park, CA, June 2006.
 - MIT*, Symposium on Humans and Technology, Department of Aeronautics and Astronautics, Cambridge, MA, January 2006.
 - Sun Labs*, User Experience Talks, Burlington, MA, December 2005.
 - Draper Laboratory*, Cambridge, MA, August 2005.
 - Sun Labs*, Burlington, MA, May 2005.
 - MIT*, Digital Life Research Consortium, Media Lab, Cambridge, MA, May 2005.
 - MIT*, Symposium on Industrial Design Intelligence: Valuation through Inspiration and Evaluation, Media Lab, Cambridge, MA, May 2005.
 - Harvard University*, Psychology Department, Cambridge, MA, April 2005.
 - Ricoh Innovations, Inc*, Menlo Park, CA, March 2005.
 - Microsoft Research*, Redmond, WA, March 2005.
 - Michigan State University*, Department of Telecommunications, Information Studies and Media, East Lansing, MI, February 2005.
 - Harvard University*, Psychology Department, Cambridge, MA, June 2004.
 - MIT*, information:organized Research Consortium, Media Lab, Cambridge, MA, March 2004.
 - Media Lab Europe*, Dublin, Ireland, January 2004.
 - France Telecom R&D*, Cambridge, MA, June 2003.
 - MasterCard International*, eMarkets Consortium, Purchase, NY, December 2001.
 - Media Lab Europe*, Dublin, Ireland, January 2001.
 - MIT*, Digital Life Research Consortium, Media Lab, Cambridge, MA, October 1999.
- workshop leadership*
- “*Methodologies for Evaluating Collaboration in Co-Located Environments.*” Organized with K Inkpen, R Mandryk, and SD Scott. Held during (CSCW 2004), Chicago, IL, November 2004.
 - “*Dynamic Pricing Workshop.*” Held during the eMarkets Sponsor Meeting. MIT Media Lab, Cambridge, MA, May 2001.
 - “*Software Agents: An MIT Perspective.*” Assisted P Maes in organization. Held at Media Lab Europe, Dublin, Ireland, January 2001.
- guest lectures*
- Michigan State University: Department of Telecommunications, Information Studies and Media, Spring 2008.
Lecture Topic: *Social Networking at Work*
 - Boston University: Internet Technologies and Web Programming, Fall 2006.
Lecture Topic: *Social Networking at Companies*
 - MIT: Designing Persuasive Environments and Technologies, Fall 2004.
Lecture Topic: *Persuading Groups*
 - MIT: Digital Anthropology, Spring 2004.
Lecture Topic: *Influencing Group Behavior*
 - Brown University: Internet Agent Economics, Fall 2001.
Lecture Topic: *Dynamic Pricing in Finite Markets*

- patents* 4 patents filed with USPTO
- reviewer* *Conferences:* CHI, IUI, CSCW, UbiComp, HICSS, Communities & Technologies, Tabletop, CSCL.
Journals: Human-Computer Interaction, IEEE Computer Graphics & Applications, Electronic Commerce Research, Personal & Ubiquitous Computing, International Journal of Human-Computer Studies.
- service* *National Science Foundation Panelist*, 2008.
Int'l Conference on Communities & Technologies, Program Committee, 2007.
Sun Labs, Organizing committee for First Fridays Talk Series. 2006.
MIT, Member, Media Lab Student Committee, 2001-04. President, 2004.
MIT, Member, Mediawomen, a mentoring group at the Media Lab, 2003-05.
MIT, Student Representative, MIT's Biennial Visiting Committee, 2002, 2004.

SKILLS

- creative* Concept Generation
 Storyboarding, Wireframes
 Rapid Prototyping
 Information Visualization
 User Interface Design
- technical* Programming: Java, SQL, HTML
 IDEs: Eclipse, Emacs, NetBeans
 OSs: Windows, Mac, Unix
 Graphics: Photoshop, Illustrator
 Data Analysis: SPSS, Excel, MatLab
- human factors research* Quantitative Experimental Design
 Qualitative Studies of Human Interaction
 Structured Interviewing
 Questionnaire Design
 Coding and Analysis of Data