

Expert Witness Background (January 2012)

Ken Goldberg

craigslist Distinguished Professor of New Media
IEOR and EECS, College of Engineering and School of Information, UC Berkeley
Professor, Department of Radiation Oncology, UC San Francisco
Contact: 425 Sutardja Dai Hall, Berkeley, CA 94720-1758
510-643-9565 | goldberg@berkeley.edu

Full cv, bio, and details on publications and patents:
<http://goldberg.berkeley.edu>

I hold eight U. S. Patents and have experience as an Expert Witness in patent cases involving the Internet, Databases, Collaborative Filtering, Algorithms, and Networked Robotics and Automation.

I am a Full Professor at the University of California, Berkeley. My home department is Industrial Engineering and Operations Research (IEOR), and I have secondary appointments in the department of Electrical Engineering and Computer Science (EECS), in the School of Information and in the UCSF Department of Radiation Oncology. I hold the craigslist Distinguished Chair in New Media and am Director of the Berkeley Automation Sciences Laboratory and co-Founder of the Berkeley Center for New Media, which has over 130 affiliated faculty on campus.

I earned my Ph.D. from the School of Computer Science at Carnegie Mellon University in 1990 and have studied at the University of Pennsylvania, Edinburgh University, and the Technion. From 1991 to 1995 I taught at the University of Southern California, and in Fall 2000 was visiting professor at MIT. I have been on the UC Berkeley faculty since 1995.

In 2004, I co-founded the IEEE Transactions on Automation Science and Engineering and am Founding Chair of its Advisory Board. To date, I have published 150 refereed research papers, edited four books and have been issued eight U.S. patents. I have given over 200 invited talks, most recently as a plenary speaker at the AAAI Spring Symposium on Creative Intelligent Systems (2008), the IEEE Conference on Robotics and Automation (2007), the Robotics Science and Systems Conference (2007) and the Israel Conference on Robotics (2008). I serve as Vice President of Technical Activities for the IEEE Robotics and Automation Society, serving 3000 international members.

I received the National Science Foundation Young Investigator Award in 1994, the NSF Presidential Faculty Fellowship in 1995, the Joseph Engelberger Award for Robotics Education in 2000, the IEEE Major Educational Innovation Award in 2001, and was elected IEEE Fellow in 2005.

I teach graduate and undergraduate courses on Data Analysis and Database Systems. Since 1998, I have pursued research in the field of Collaborative Filtering (also known as Recommender Systems or more generally, Information Filtering). I developed the "Eigentaste" collaborative filtering algorithm. To collect experimental data for it, my students and I developed Jester, an online system that recommends jokes to users after they rate a set of sample jokes. Jester has been online since 1998 and has collected over 4 million ratings. We have made the Jester dataset of anonymous ratings freely available to researchers and have published several papers, including: "Eigentaste: A Constant Time Collaborative Filtering Algorithm", Ken Goldberg, Theresa Roeder, Dhruv Gupta, and Chris Perkins, Information Retrieval Journal, 4(2), pp. 133-151. July 2001. From 1999-2001 I was CEO of Preference Metrics which explored commercial applications of Eigentaste. The Eigentaste algorithm was granted U.S. Patent 6,606,624.

Prior Expert Engagements

I have served as an expert witness in four previous patent cases:

Pillsbury Winthrop: 2003-2004, Networked Automation Systems, Schneider Automation vs. Opto22.

Kirkland and Ellis: 2005-2006, Remote/Networked Factory Monitoring Systems, Siemens vs. EI3.

McDermott Will & Emery: 2007-2010, Collaborative Filtering Systems, Lycos vs. Netflix, Blockbuster, TiVo.

Young, Conaway, Stargatt, and Taylor, LLP: 2010-2011, Networked Control of Copiers, Ricoh Company Ltd. v. Oki Data Corporation.
