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EDUCATION

Ph.D. Indiana University, Bloomington, IN (2003)
Computer Science and Cognitive Science (double major)
Minor: History and Philosophy of Science

M.S. University of California, Los Angeles, CA (1979)
Electrical Engineering; awarded with Distinction

B.S. Abadan Institute of Technology, Abadan, Iran (1977)
Electrical Engineering; awarded with Distinction
1st Class Honors

Academic Positions

Professor

Informatics, Cognitive Science, and International Studies (2016-)

Associate Professor

Department of Informatics, School of Informatics & Computing, Indiana University, Bloomington (2014-2016)

Department of International Studies, School of Global and International Studies, Indiana University, Bloomington (2013-2016)

Data Science Program, School of Informatics & Computing, Indiana University, Bloomington (2013-2016)

School of Library and Information Science, Indiana University, Bloomington (2007-2014)

Core Faculty, Cognitive Science Program, Indiana University, Bloomington (2007-)

Assistant Professor

Computer Science Department, University of Redlands (2003 - 2006)

Visiting Lecturer

School of Informatics, Indiana University, Bloomington (2002-2003)

Teaching Experience

Human-Computer Interaction, Health Information Management, Drones: Technologies of War and Peace, Information Seeking and Use, Modeling in GIS, Communication in Electronic Environments, Artificial Intelligence, Cognitive Science, Social Informatics, Sociology of Science, Technology and Society, Introduction to Informatics, Theory of Computing, Data Structures and Object-Oriented Programming, Introduction to Programming, Programming for the Web, Software Engineering,

BOOKS

Ekbia, H. (2008). *Artificial dreams: The Quest for Non-Biological Intelligence*. Cambridge, UK: Cambridge University Press.

(with Sugimoto, C. & Mattioli, M.) (eds.) (2016). *Big data Is Not a Monolith*. The MIT Press.

(with Nardi, B.) (in press). *Heteromation and Other Stories of Computing and Capitalism*. The MIT Press.

(With Sawhney, H.) (in preparation). *Reconsidering Access: Individual Travails and Asymmetric Gains*. The MIT Press.

PUBLICATIONS

Journal Papers

Blyth, P.L., Mladenović, M., Nardi, B.A., Ekbia, H.R., and Su, N.M. (2016). Distributing Benefits and Burdens: Expanding the Design Horizon for Self-Driving Vehicles. *IEEE Technology and Society Magazine*.

Ekbia, H. (2016). Digital Inclusion and Social Exclusion: The Political Economy of Value in a Networked World. *The Information Society*, 32 (2): 165-175.

Qaurooni, D. & Ekbia, H. (in press). The Enhanced Warrior: Drone Warfare and the Problematics of Separation. *Phenomenology and Cognitive Science*.

Ekbia, H. & Nardi, B. (2015). The Political Economy of Computing: The Elephant in the HCI Room. *Interactions*, pp. 46-49, Nov.-Dec.

Ekbia, H., Mattioli, M., Kouper, I., Arave, G., Ghazinejad, A. Bowman, T., Suri, R., Tsou, A., Weingart, S., & Sugimoto, C. (2015). Big Data, Bigger Dilemmas: A Critical Review. *Journal of American Society for Information Science and Technology*, 66(8) 1523-1746.

Suri, V.R. & Ekbia, H. (2015). Spatial Mediations in Historical Understanding: GIS and the Evolving Epistemic Practices of History. *Journal of American Society for Information Science and Technology*. DOI: 10.1002/asi

Ekbia, H., Lee, J. & Wiley, S. (2014). Rehab Games As Components Of Workflow: A Case Study. *Games for Health Journal*, 3(4): 215-226.

Ekbia, H. & Nardi, B. (2014). Heteromation And Its (Dis)Contents: The Division Of Labor Between Humans And Machines. *First Monday*. 19(6).

Ekbia, H. & Sawhney, H. (2014). Reason, Resistance, And Reversal: Metaphors Of Technology In Design And Law. *Culture, Theory, and Critique*. DOI: 10.1080/14735784.2014.904752

Jozkowski, K. and Ekbia, H. (2015). Campus Craft: A Game For Sexual Assault Prevention In Universities. *Games for Health Journal*, 4(2): 95-106.

Ekbia, H. & Suri, V.R. (2013). Of Dustbowl Ballads And Railroad Tables: Erudite Enactments In Historical Inquiry. *Information & Culture*. 48(2): 260-278.

Day, R. & Ekbia, H. (2010). Digital Experiences. In *Kallinikos, J., Lanzara, G. F. and Nardi, B. (Ed.). The digital habitat – Rethinking experience and social practice. First Monday*, Volume 15, Number 6 - 7.

Ekbia, H. (2010). Fifty Years Of Research In Artificial Intelligence. In: Cronin, B. (Ed.) *Annual Review of Information Science and Technology*, Volume 44. Medford, NJ: Information Today/American Society for Information Science and Technology, pp. 201-242.

Ekbia, H. (2009). Digital Artifacts As Quasi-Objects: Qualification, Mediation, And Materiality. *Journal of American Society for Information Science and Technology*, 60 (12), 2554-2566.

Ekbia, H., & Evans, T. (2009). Regimes Of Information: Land Use, Management, And Policy. *The Information Society*, 25, 328-343.

Ekbia, H., & Hara, N. (2008). Quality Of Evidence In Knowledge Management Research: Scholarly And Practitioner Literature. *Journal of Information Science*, 34, 110-126.

Leuteritz, T., & Ekbia, H. (2008). Not All Roads Lead To Resilience: A Complex Systems Approach To The Study Of Three Habitats. *Ecology and Society*, 13(1), (1). [online] URL: <http://www.ecologyandsociety.org/vol13/iss1/art1/>

Ekbia, H., & Kling, R. (2005). Network Organizations: Voluntary Cooperation Or Multivalent Negotiation. *The Information Society*, 21(3), 155-168.

Ekbia, H. (2004). How IT Mediates Organizations: Enron And The California Energy Crisis.

Journal of Digital Information, 5(4). Available from: <http://jodi.ecs.soton.ac.uk/Articles/v05/i04/Ekbia/>

Reviewed Conference Papers

Ekbia, H. & Nardi, B. (2016). Social Inequality and HCI: The View from Political Economy. CHI Proceedings.

Qaurooni, D., Ghazinejad, A., Kouper, I., and Ekbia, H. (2016) Citizens for Science and Science for Citizens: The View from Participatory Design. CHI Proceedings.

Kouper, I., Zoss, A., Boyles, M. Edelblute, T. & Ekbia, H. (2016). Mental Disorders Over Time: A Dictionary-Based Approach to the Analysis of Knowledge Domains. iConference Proceedings.

Blyth, P., Mladenovic, M., Nardi, B., Su, N., and Ekbia, H. (2015). Driving the Self-Driving Car: Expanding the Technological Design Horizon. IEEE Symposium on Society and Technology. Dublin, Ireland, Nov. 11-12.

Ekbia, H. & Quarooni-Fard, D. (2015). The Problematic Of Separation: Drones And Distance. Annual Meeting of the Society for the Social Studies of Science, Denver, CO. Nov. 12-15.

Ekbia, H., Nardi, B. & Sabanovic, S. (2015). On The Margins of the Machine: Heteromation and Robotics. The iConference 2015., Orange County, CA., March 24-27.

Ekbia, H. & Quarooni-Fard, D. (2014). Extended Minds and Mediated Actions: The Case Of Drones. *Collective Intentionality IX*. Bloomington, IN. Sept. 10-13.

Ekbia, H. (2012). Worlds And Worth: A Situated Evaluation Framework for Interaction Design. Workshop on Values in Design. *CHI 2012*.

York, W. & Ekbia, H. (2012). Slippage in Cognition, Perception, and Action: From Aesthetics To Artificial Intelligence. In J. Kelemen, J. Romportl and E. Zackova (Ed): *Beyond Artificial Intelligence: Contemplations, Expectations, Applications Heidelberg*: Springer, 27-47.

Ekbia, H. (2011). Medicine, Machines, And Mediations: Coordination Of Health Work. International Workshop on Personal Health Records. Faculty of Sociology, University of Trento, Trento, Italy. Dec. 12-13.

Ekbia, H. & Nardi, B. (2011). Inverse Instrumentality: How Technologies Objectify Patients and Players. 48th Annual Colloquium of the European Group on Organizational Studies (EGOS). Gothenburg, Sweden. July 7-9.

Kutz D.O. & Ekbia, H.R. (2011). Designing for The Invincible: Health Engagement and Information Management. Paper presented at the 44th Hawaii Conference on System Sciences, Kauai, Hawaii, Jan.4-7.

Shelton, D., Ekbia, H., & Ghazinejad, A. (2011). umWeltian Empirical Studies and Developmental Situated-Embodied Agents: Computational Models of Group Behavior. National Conference on Epistemology of Modeling and Simulation. Pittsburg, PA. April 1-2, 2011.

York, W. & Ekbia, H. (2011). (Dis-)Tasteful Machines? Aesthetic Cognition and the Computational Turn in Aesthetics. *Proceedings of the Annual Conference of the International Association of Computing and Philosophy*. Aarhus, Denmark.]. July 4-6.

Ekbia H., Grogg P., Kremmer D. & Kirkley J. (2010). mPower! Using Serious Health Games To Engage College Students in Their Health Care. Paper presented at the Midwest Conference on Health Games. Indianapolis, IN, Oct. 29.

Ekbia, H. (2009). Information in Action: A Situated View. Paper presented at the Annual Meeting of the American Society of Information Science and Technology, Vancouver, BC, Nov. 6-11.

Ekbia, H., Grogg, P.L., Lohrmann, D., Sullivan, M., & YousefAgha, A.H. (2009). Untying The Gordian Knot: The Development Of An Immunization Information Exchange. *Proceedings of the America's Conference on Information Systems*, San Francisco, CA, August 8-10.

Ekbia, H. (2009). Regimes Of Information: A Polity Model. Paper presented at the 7th European Conference on Computing and Philosophy, Barcelona, Spain, July 1-4.

Ekbia, H. (2008). Knowing, Doing, And Talking: The Inherent Tension Of Artificial Intelligence. *Proceedings of the 2008 North American Comput. & Phil. Conference*, Bloomington, IN, July 10-12.

Ekbia, H. (2008). A Grammar Of Movement: An Agent-Based Modeling Approach To Location-Based Services. *Proceedings of the Academic Track, GIS Business Summit*, Chicago, IL, April 28-30.

Ekbia, H., & Kling, R. (2003). Power In Knowledge Management In Late Modern Times (Recipient of a best paper award). *Proceedings of the Annual Conference of the Academy of Management*. Seattle, WA, August 1-6.

Ekbia, H. (2002). The Two Senses Of 'Common Sense'. *Proceedings of the 13th Midwest Artificial Intelligence and Cognitive Science Conference*. Chicago, IL, April 13-14.

Book Chapters

Ekbia, H. (2015). AI, Its Metaphors, And Their Mutations. In Romporti, J., Zackova, E. & Warwick, K. (eds.) *Beyond AI: The Golem*. Berlin: Springer Verlag.

Ekbia, H. (2015). The Flesh Of Science: Somatics And Semiotics. In Sugimoto, C. (Ed.) *Theories of Infometrics and Scientific Communication*. The Gruyter Press.

Ekbia, H. (2014). Heteronomous Humans And Autonomous Agents: Toward Artificial Relational Intelligence. In Romporti, J., Zackova, E. & Kelemen, J. (eds.) *Beyond AI: The disappearing human-machine divide*. Berlin: Springer Verlag. pp. 64-78.

Ekbia, H. & Nardi, B. (2012). Inverse Instrumentality: How Technologies Objectify Patients And Players. In Leonardi, P. M., Nardi, B. & Kallinikos, J. (Eds.). *Materiality and Organizing: Social Interaction in a Technological World*. Oxford University Press, pp. 157-176.

York, W. & Ekbia, H. (2012). Analogy, Aesthetics, And Affect: What HCI Designers Can Learn From AI. In Romporti, J., Zackova, E. (eds.) *Beyond AI: The disappearing human-machine divide*. Berlin: Springer Verlag..

Ekbia, H. (2011). Patterns Of Movement In Space: An Agent-Based Approach. In K. Johnson (Ed.), *Agent-based modeling and GIS*. Redlands, CA: ESRI Press.

Ekbia, H. (2007). Managing Network Organizations In The Knowledge Economy: Learning From Success And Failure. In U. Apte & U. Karmarkar (Eds.), *Managing in the information economy* (pp. 117-147). Berlin: Springer Verlag.

Ekbia, H., & Gasser, L. (2007). Seeking Reliability In Freedom: The Case Of F/OSS. In K. Kraemer & M. Elliott (Eds.), *Computerization movements and technology diffusion: From mainframes to ubiquitous computing* (pp. 420-449). Medford, NJ: Information Today.

Ekbia, H. (2006). Taking Decisions Into The Wild: An AI Perspective On The Design of iDSS. In J. N. D. Gupta, G. A. Forgionne, & M. Mora (Eds.), *Intelligent decision-making support systems: Foundations, applications and challenges* (pp. 79-96). London: Springer Verlag.

Ekbia, H., & Reynolds, K. (2006). Decision Support For Sustainable Forestry: Enhancing The Basic Rational Model. In A. Thompson & K. M. Reynolds (Eds.), *Forestry management: The past and the future* (pp. 497-514). Berlin: Springer Verlag.

Ekbia, H., & Hara, N. (2005). Incentive Structures In Knowledge Management. In D. Schwartz (Ed.), *Encyclopedia of knowledge management* (pp. 238-241). Hershey, PA: Idea Group.

Editorials and Book Reviews

Kallinikos, J., Ekbia, H. & Nardi, B. (2015). Introduction To The Special Issue On The Paradox Of Embeddedness: Regimes Of Information. *The Information Society*, 31(2), 101-105.

Profitt, J., Ekbia, H., and McDowell, S. (2015). Introductory to the Special Forum on Monetization of User-Generated Content – Marx Revisited. *The Information Society*, 31(1), 1-4.

Ekbia, H. (2012). Review of: Turkle, S. (2010). *Alone Together: Why Do We Expect More From Technology Than From Each Other*. *Journal of American Society for Information Science and Technology*, 63(9), 1897-1898.

Ekbia, H., & Schuurman, N. (2009). Introduction to the Special Issue on Geographies of Information Society. *The Information Society*, 25: 289-290.

Ekbia, H. (2008). Review of: Kallinikos, J. (2006). *The Consequences of Information: Institutional Implications of Technological Change*. Cheltenham, UK: Edward Elgar, 2006
The Information Society, 24 (2), 216-218.

Ekbia, H. (2007). Review of: Avgerou, C., Ciborra, C., & Land, F. (Eds.). (2004). *The social study of information and communication technology: Innovation, actors, and contexts*. Oxford: Oxford University Press. *The Information Society*, 23(5), 413-414.

Ekbia, H. R., & Maguitman, A. M. (2001). Context and relevance: A pragmatic approach. In V. Akman (Ed.), *Modeling and using context* (Lecture Notes in Artificial Intelligence, 2116) (pp. 156-169). Berlin: Springer Verlag.

Other Publications

Ekbia, H. (2009). From Democritus to Descartes: Toward a Posthumanist Future. Paper presented at Visions of Humanity in Cyberculture, Cyberspace, and Science Fiction Conference, Oxford, UK, July 6-8.

Ekbia, H. (2007). For a Sociology Of Code. Symposium on Social Informatics. The Annual Meeting of the American Society of Information Science and Technology, Milwaukee, WI, October 19-24.

Ekbia, H. (2007). Mediated Interaction: Social Informatics In The Era Of Ubiquitous Computing. *Proceedings of the 13th Americas Conference on Information Systems*, Keystone, CO, August 10-12.

Ekbia, H. (2007). Transpiring Interfaces: Turning Transparency On Its Head. *Proceedings of the First International Workshop on Knowledge-based User Interface*. Athens, Greece, June 19-25.

INVITED KEYNOTES, TALKS, PANELS, AND INTERVIEWS

The Political Economy of Drone Warfare. Invited Talk. Department of Philosophy, University of Vienna (June 23, 2016)

Our Romantic Past and Robotic Future. Invited Talk. **Kunstuniversität Linz** (June 10, 2016)

<http://www.ifk.ac.at/index.php/aktuelles/items/492.html>

“Capital, Work, Computing.” Invited Workshop. *School of Media and Information*, University of Siegen, Germany (June 6, 2016)

Command and Idea: Natural and Artificial. Keynote Talk. *Zentralen Laborraum des Exzellenzcluster Bild Wissen Gestaltung*, Humboldt University, Berlin, <http://www.kreativplattform.at/> (April 28, 2016)

Computing and Capitalism: Dynamics of Systemic Change. Keynote Talk. *Bertalanffy Center for the Study of Systems Science*. European Meetings on Cybernetics and Systems Research, Vienna (April 1, 2016)

Drones: Technologies of (Dis)Order. Invited Talk. IFK: *Internationales Forschungszentrum, Kulturwissenschaften*, (March 14, 2016)

Heteromation and Other Stories of Computing and Capitalism. Invited Talk. *Renowned Scholars Seminar*. Department of IT Management. Copenhagen School of Business, (March 11, 2016). <http://www.cbs.dk/node/254083>

Heteromation: A Précis. Invited Talk. *School of Media and Information*. University of Siegen, Germany, (February 24, 2016)

Drones at Liberty. Radio interview with the Community Radio (WFHB), (July 7, 2015) <http://wfhb.org/news/interchange>

The Iranian Nuclear Deal. Radio interview with the student radio WIUX 99.1 (February 27, 2015)

Personalized Therapy Using Diagnostic Games. Invited Talk. John Knox Home Health Agency. Pompano Beach, FL. (October 23, 2014).

Alam High School, A documentary, Saman Media. <http://www.alamhighdoc.com/>

Faculty Summit. Invited Participant. Microsoft Research. Seattle, WA. (July 13-16, 2014).

Human Computation Roadmap Summit, Invited Participant. Computing Community Consortium. Woodrow Wilson Center. Washington DC. (June 18-20, 2014).

Workshop on Social, Economic, and Workforce Implications of Big Data Analytics and Decision-Making, Invited Group Leader, National Science Foundation, Washington DC. (January 30-31).

AI, Its Metaphors, and Their Mutations. Keynote Talk at the Third Beyond AI Conference, Pilsen, The Czech Republic, (November 11-14, 2013).

Digital Dilemmas. Invited Talk at the School of Information Studies, Syracuse University. (Oct. 14, 2013).

Playing to Heal. Interview with *Imagine*, Indiana University Foundation Magazine. Fall 2013. <http://imagine.iuf.indiana.edu/articles/fall13/ekbia.html>

Specialists See Tools to Treat Pain in Video Games. Ashley Southall. *The New York Times* (April 21, 2013).

http://www.nytimes.com/2013/04/21/health/in-gaming-some-see-tools-to-treat-pain.html?smid=tw-nytimeshealth&seid=auto&_r=0

Video Games to Add Fun and Affordability to Stroke Rehab. *Inside Indiana Business*, (April 30, 2013) <http://www.insideindianabusiness.com/life-sciences.asp?ID=2939&Detail=True>

Assisting Stroke Sufferers with Video Games, Indiana Clinical-Translational Science Institute (March 2013) <https://www.indianactsi.org/news/ekbia>

Heteronomous Humans and Autonomous Agents: The Paradox of AI. Keynote Talk at the Second Beyond AI Conference, Pilsen, The Czech Republic, (November 5-6, 2012).

Digital Discipline. Invited talk at the Information Systems and Innovation Group, Management Science Group, London School of Economics and Political Science. London, UK. (Dec.6, 2011)

Multidisciplinary Perspectives on Best Practices for Understanding and Evaluating Clinical Workflows. AMIA Annu Symp. Invited Panel. Boston, MA, (November 13-17, 2011).

NSF Workshop on the Future of Research on Computer Games and Virtual Worlds, University of California, Irvine (Sept. 23-24, 2010).

Workshop on the Future of Research on Free/Open Source Software (June 23-24, 2010). Computing Community Consortium, Computing Research Association, Chicago, IL.

Dubious Partners: Serious Games and Personal Health (April 8, 2010). Health Informatics Seminar. School of Informatics, Indiana University, Bloomington, IN.

Computerization of Health: Personalizing the Impersonal. Rob Kling Center for Social Informatics. Bloomington, IN. (March 5, 2010)

Birth of a Robot: Interview by Abigail Tucker, *The Smithsonian Magazine* (June 20, 2009)
Special issue on Frontiers of Science.

Uneven Spatialities – The Material, Virtual, and Cognitive. Interview with Eric Sheppard. *The Information Society*, 25, 364-369.

Health Information and Privacy (October 26-27, 2009)
A Research Agenda for Privacy and Security of Healthcare Technologies Workshop, IUPUI, Indianapolis, IN.

Personal Health Records: An Interactive View (Sept. 23-25, 2009)
The 11th Biennial Regenstrief Institute "Open Health Methodologies" Conference, French Lick, IN.

Cognitive Science: A History (August 4, 2008)
Department of Computer Science, Ferdowsi University of Mashhad, Iran.

SDS Knowledge Portal Workshop (May 6-7, 2008). The Redlands Institute, Redlands, CA.

Minding the Machine (April 15, 2008)

Association for Computing Machinery, Student Chapter, Indiana University, Bloomington, IN.

Agent-Based Modeling in GIS (March 30, 2008). Complex Networks and Systems Series, Indiana University, Bloomington, IN.

Agent Analyst (March 27, 2008). Colloquium, Department of Geography, Indiana University, Bloomington, IN.

SDSS Knowledge Repository Workshop (Feb. 8-9, 2008). The Redlands Institute, Redlands, CA.

Mental Models in Information Science (Feb. 4, 2008)
Seminar on Philosophy of Information Science, School of Library and Information Science, Indiana University, Bloomington, IN.

Social Informatics: The Past and the Future (Nov. 14, 2007)
Student Callout, Rob Kling Center for Social Informatics, Indiana University, Bloomington, IN.

Bridging the Gulf between ABM and GIS: A Three-Tier Approach (April 15-16, 2007)
National Science Foundation Workshop on Agent-Based Modeling of Complex Spatial Systems
University of California, Santa Barbara, CA.

Making Sense of Bugs: A Discourse Analysis Approach (March 26, 2006)
School of Library and Information Science, Indiana University, Bloomington, IN.

Artificial Intelligence: Hype versus Hope (July 14, 2005)
Faculty of Engineering, Ferdowsi University of Mashhad, Iran.

Network Organizations: From Theory to Practice (May 4, 2005)
CRITO Series, University of California, Irvine, CA.

Understanding Change: Lessons from Enron (April 5, 2005)
MBA Program, School of Business, University of Redlands, Redlands, CA.

Discourses of Reliability in Free/Open Software Movement (March 5, 2005)
National Science Foundation Workshop on Social Informatics, Irvine, CA.

Discourses of Reliability in Free/Open Software Development (March 4, 2005)
Colloquium, School of Business, University of Redlands, Redlands, CA.

Network Organizations: An Extended Multivalent Model (Feb. 18, 2005)
School of Library and Information Science, Indiana University, Bloomington, IN.

The Management of Change: Lessons from Enron (April 17, 2004)
MBA Program, School of Business, University of Redlands, Redlands, CA.

Network Organizations: A Multivalent Model (Nov. 7, 2003)
Colloquium, School of Business, University of Redlands, Redlands, CA.

The Role of Representations in Open Source Software Development (Oct. 9, 2003)
National Science Foundation, Continuous Design Workshop, Urbana-Champaign, IL.

How Far Are We Networked, Indeed? (November 20, 2002)
Department of High Technology Management, California State University, San Marcos,
CA.

CONFERENCE AND WORKSHOP PRESENTATIONS

Ekbia, H. & Qaurooni, D. (2015). The Problematic of Separation. Paper presented at the Annual Meeting of the Society for Social Studies of Science, Denver, CO. Nov. 11-14.

Blyth, P., Ekbia, H., Mladonovic, M, Nardi, B., & Su, N. (2015). Driving the Self-Driving Car. IEEE International Society on Technology and Society. Dublin, Ireland. Nov. 11-12.

Ekbia, H. & Sawhney, H. (2014). Access: Individual Costs and Systemic Benefits. International Communications Conference. Seattle, WA. May 22-26.

Ekbia, H. & Sawhney, H. (2011). Matter of Metaphor: The Dynamics of Technological Change. Paper presented at the Annual Meeting of the Society for Social Studies of Science, Cleveland, OH. Nov. 2-5.

York, W. & Ekbia, H. (2011). (Dis-)Tasteful Machines? Aesthetic Cognition and the Computational Turn in Aesthetics. Annual Conference of the International Association of Computing and Philosophy. Aarhus, Denmark.]. July 4-6.

Burton, M. Zafar, A. Lehto, M., EKbia, H., & Doebbeling, B. (2011). Understanding How We Care for Patients: Information Needs and Best Practices for Capturing Clinical Workflow. AMIA Annu Symp. Nov. 13-17. Washington D.C.

Ekbia, H. & Sawhney, H. (2010). Reason, Resistance, and Reversal: Metaphors of Technology in Design and Law. Paper presented at the Annual Meeting of the Society for Social Studies of Science, Tokyo, Japan, August 24-29.

Ekbia, H. (2010). Personal Health Records for Self-Management Support. Paper presented at the Wellness Informatics Workshop, CHI2010, Atlanta, GA, April 10.

Ekbia H.R., Burton M.B., Delaurantis P.C., Flanagan M., Wiebke E., Lawley M. and Doebbeling B.N. (2010). A Cognitive Systems Engineering Approach for Improving Surgical Work and Information Flow. Mayo Clinic Conference on Systems Engineering & Operations Research in Health Care, Rochester, MN. August 18-20.

Oberlin, K. & Ekbia, H. (2009, October). The World City Revisited: Models as Mediators. Annual Meeting of the Society for Social Studies of Science, Washington D. C.

Ekbia, H. (2009). From Democritus to Descartes: Toward a posthumanist future. Visions of Humanity in Cyberculture, Cyberspace, and Science Fiction Conference, Oxford, UK, July 6-8.

Ekbia, H. (2009). Information in action: A situated view. Annual Meeting of the American Society of Information Science and Technology, Vancouver, BC, Nov. 6-11.

Ekbia, H. (2008, November). Chair, Panel on information spaces. Annual Meeting of the American Society for Information Science and Technology, Columbus, OH.

Ekbia, H. (2008, July). Design as a social process: The case of software development. The Design Research Society Conference, Sheffield, UK.

Ekbia, H. (2008, April). A grammar of movement: An agent-based modeling approach to location-based services. GIS Business Summit, Chicago, IL.

- Ekbia, H. (2008, April). Chair, Panel on geographies of information society. The Annual Meeting of the Association of American Geographers, Boston, MA.
- Ekbia, H. (2007, October). For a sociology of code. Social Informatics Symposium, Annual Meeting of the American Society for Information Science and Technology, Milwaukee, WI.
- Ekbia, H. (2007, October). The informational style of thinking. Annual Meeting of the Society for Social Studies of Science, Montreal, Québec.
- Ekbia, H. (2007, April). Changing GIS to accommodate change: A critical-technical approach.
Paper presented at the Annual Meeting of the American Association of Geographers, San Francisco, CA.
- Turner, T., & Ekbia, H. (2006, June). Representation of change in GIS: From theory to practice
AutoCarto Conference, Vancouver, WA.
- Hara, N., & Ekbia, H. (2005, October). Internet-enabled social movements: Two case studies.
Annual Meeting of the Society for Social Studies of Science, Pasadena, CA.
- Ekbia, H., & Strout, N. (2005, October). Standardizing space: The case of a spatial digital library.
Annual Meeting of the Society for Social Studies of Science, Pasadena, CA.
- Ekbia, H. (2005, June). Reliability as a sustaining element in free/open source software.
2nd International Conference on Communities and Technologies, Milan, Italy.
- Ekbia, H., & Gasser, L. (2005, March). Discourses of reliability in F/OSS movement.
Paper presented for NSF workshop on Social Informatics, Irvine, CA.
- Hara, N., & Ekbia, H. (2004, December). Moving on with technology. OASIS Preconference Workshop, International Conference on Information Systems, Washington D.C.
- Ekbia, H. (2003, October). Multiple mediations: Commodity traders, knowledge brokers, and truth makers. Annual Meeting of the Society for Social Studies of Science, Atlanta, GA.
- Hara, N., & Ekbia, H. (2003, October). Quality of evidence in knowledge management research: Where is the beef? Annual Meeting of the Society for Social Studies of Science, Atlanta, GA.
- Ekbia, H. (2003, September). Managing network organizations in the information economy.
Paper presented at the Seminar on Management in Information Economy, University of California, Los Angeles, CA.
- Ekbia, H. (2003, August). Power in knowledge management. Academy of Management Annual Conference, Seattle, WA.

Ekbia, H., Goldberg, J., & Landy, D. (2003, April). Starting large or small: The unresolved dilemma in connectionist models of language learning. Workshop in Computational Linguistics, Indiana University, Bloomington.

Ekbia, H. (2002, November). AI's disparity syndrome. Annual Meeting of the Society for Social Studies of Science, Milwaukee, WI.

Ekbia, H., & Kling, R. (2002, October). When the Net doesn't work: The case of Enron. The 3rd International Interdisciplinary Conference of the Association of Internet Researchers, Maastricht, The Netherlands.

Ekbia, H. (2002, August). From AI to IS: The challenge of working across disciplines. The International Symposium on Research Methods in Information Science (ISRM), Dallas, TX.

Ekbia, H. (2001, November). Once again, artificial intelligence at a crossroads. Annual Meeting of the Society for Social Studies of Science, Boston, MA.

AWARDS, SCHOLARSHIPS, AND PATENTS

Senior Fellow

IFK Internationales Forschungszentrum, Kulturwissenschaften an der
Kunsthochschule Linz, Vienna, Austria
2016

Patent

An Interactive Rehabilitation Platform
US Provisional Patent No. 61/891,707 2013

Trustee's Teaching Award 2011
Indiana University, Bloomington, IN.

A Best Paper Award

Academy of Management Conference, Seattle 2003

Research Fellowship 1997-02
Center for Research on Concepts and Cognition, Indiana University

Distinguished Masters' Thesis 1979
School of Engineering, University of California at Los Angeles

Research Fellowship 1978-79
School of Engineering, University of California at Los Angeles

Overseas Study Scholarship 1978-79
National Iranian Oil Company

Outstanding Scholars' Award 1973-77
Abadan Institute of Technology (ranked 1st in class)

GRANTS AND RESEARCH SUPPORT

Earlier Funding

1. Summer Research Institute: Drone Warfare

Akhtar, M. and Ekbia, H. (PIs) Requested Budget: \$50,000

School of Global and International Studies, Indiana University

A project to bring various experts, artists, journalists, and activists from around the world to Bloomington in the summer 2015 for a 10-day conference to discuss the social, cultural, and ethical implications of drone warfare around the globe. This is going to be the first event of its kind funded by the School of Global and International Studies, involving many IU faculty and students as well as other participants.

2. Interactive Rehab

Ekbia (PI) 01/01/2013 - 06/31/2013 Amount: \$50,000

National Science Foundation Award #1314130

The goal of this project is to continue the development of the telerehab project and to take part in the NSF I-Corps program that focuses on the translation of academic research into practical applications.

3. Doctoral Colloquium at iConference 2013,

Ekbia (PI), 01/01/2013-12/31/2013 Amount: \$ 20,767

National Science Foundation Award # 1314331

Grant to support the participation of doctoral students at the colloquium

4. Insight Rehab

Indiana Clinical-Translational Science Institute Award #1673

Ekbia (PI) 04/01/2012-04/01/2013 Amount: \$25,000

The purpose of this project is to develop a telerehab platform to enable therapist-guided rehabilitation games and exercises at home and outpatient settings.

5. Peri-operative Systems Reengineering Program.

Ekbia (co-PI) 03/01/2011-12/31/2012 Amount: \$75,000

Indiana University Collaborative Research Grant

The primary goal of this program is to better understand operational, tactical and strategic challenges in the perioperative system, in order to develop, test and refine new interventions and information tools to reengineer care, improve efficiency, quality, satisfaction and outcomes.

6. Doctoral Colloquium at iConference 2012,

Ekbia (co-PI), 07/01/2011-07/01/2012 Amount: \$25,537

National Science Foundation Award # 1140343

Grant to support the participation of doctoral students at the colloquium.

7. mPower!

Ekbia (co-PI) 07/01/10-06/30/11

National Center for Research Resources (NCCR), The National Institutes of Health
1R43R031350-01 Amount: \$225,000

Serious Games for Health: The purpose of this study is to engage people in the management of their health through personalized information and scenarios.

8. College PHR

Ekbia (PI) 10/01/09-12/31/10 Amount: \$30,000

Center for Research on Mediated Interaction

User-Centered Design of a PHR for College Students

The purpose of this study is to re-design the PHR currently available to students at Indiana University, and to expand the features of the PHR to encourage active student use.

Broad Impact Projects

1. Dissemination of the Interactive Rehab Platform to the Real World

Ekbia, H. (PI)

The platform that we have developed has found its way to senior care and rehab facilities in Indiana (Carmel, Merrillville, Plainfield), Florida (Pompano Beach), and soon elsewhere:

www.TheTherapyBuddy.com

WellPlay Health LLC, the startup behind this project, received the second award in the BioCrossroads New Venture Competition 2014.

2. Big Data Workshop

Sugimoto, C., Ekbia, H., & Mattioli, M (Organizers)

<http://bigdatabook.wordpress.com/>

With funding support from Cornerstone Information Systems and Indiana University's School of Informatics & Computing, Maurer School of Law, and the Center for IP Research, a workshop was organized for the preparation of the forthcoming book on Big Data (Bloomington, IN., October 10, 2014).

3. Technologies of Disorder: Drones as Cultural Forms

Ekbia, H. (Senior Fellow)

A Senior Research Fellowship, including accommodation and stipend at Internationales Forschungszentrum Kulturwissenschaften, Vienna, Austria.

Ph.D. STUDENTS

Chair, Dissertation Committee, School of Informatics & Computing, Indiana University

Nantanoot Suwannawut (2013). Accessibility Evaluation of Online Learning Management System for Persons with Visual Impairment.

Ali Ghazinejad (ABD). Agent-Based Models of Science.

Dahee Chung (ABD). Workflow, Information Flow, and Coordination in Hospitals.

Danial Qaurooni-Fard. TBD.

Dissertation Director, Cognitive Science Program, Indiana University

William York (2015). Analogy, Aesthetics, and Cognition.

PhD Committees

Committee Member, Cognitive Science Program, Indiana University.

David Bender. Models of Analogy-Making.

Committee Member, Department of Linguistics, Indiana University

Duaa Abu Elhija Mahajna. Hebrew Loanwords in the Israeli-Palestinian Variety of Arabic

Committee Member, School of Public Health, Indiana University

Amatu Shakoor Wahab Karim, An Assessment Of Physical Activity Levels In 5th And 6th Grade Students In Bloomington, Indiana

Committee Member, Cognitive Science Program, Indiana University.

Matthew Hurley (ABD). A Theory of Purpose.

Committee Member, School of Informatics & Computing, Indiana University

Gary Arave (ABD). Aesthetics Research in Information Science.

Committee Member, School of Informatics & Computing, Indiana University

Angela Zoss (ABD). Comprehension of Information Visualizations.

Committee Member, School of Informatics & Computing, Indiana University

Chung-Ching Huang (2015). Interaction Temporality: Describing and Analyzing Use Experience Over Time.

Committee Member, School of Informatics & Computing, Indiana University

David Nemer (2015). Rethinking Digital Inequalities: The Experience of the Marginalized in Community Technology Centers.

Committee Member, School of Informatics & Computing, Indiana University

Timothy Bowman (2015). Investigating the Use of Affordances and Framing Techniques by Scholars to Manage Personal and Professional Impressions in Twitter.

Committee Member, School of Informatics & Computing, Indiana University.

HyunSeung Koh (2015). Understanding Reader-Text Interaction in Active Reading: Implications for E-Book Design.

External Examiner, Information Systems and Innovation Group, Department of Management, London School of Economics

Cristina Alaimo (2014). Computational Consumption: Social Media and the Construction of Digital Consumers.

Committee Member, School of Informatics & Computing, Indiana University
Beenish Chaudry (2014). Design and Evaluation of Low Literacy Accessible Mobile Applications.

External Examiner, School of Information Studies, Syracuse University
Janet Marsden (2013). Essays on the Evolution of Information Systems: Clouds, Nets, Webs, Grids and Sustainability.

Committee Member, School of Library & Information Science, Indiana University
Lala Hajibayova (2013). Factors Influencing User-Generated Vocabularies: An Investigation of the Effects of Resource and Genre on Tagging.

Committee Member, School of Library & Information Science, Indiana University
Hui Zhang (2013). Query Enhancement with Topic Detection and Disambiguation for Robust Retrieval.

Committee Member, School of Library & Information Science, Indiana University
Aaron J. Loehlein (2012). Priming Effects Associated with the Hierarchical Levels of Classification Systems.

Committee Member, School of Library & Information Science, Indiana University
Lai Ma (2012). Information in Our World: Conceptions of Information and Problems of Method in Information Science.

External Examiner, Information Systems and Innovation Group, Department of Management, London School of Economics
Attila Marton (2011). Forgotten as Data –Remembered through Information. Social Memory Institutions in the Digital Age: The Case of the Europeana Initiative.

Committee Member, School of Library & Information Science, Indiana University
Wayne Buente (2011). Modeling Citizenship Offline and Online: Internet Use, Information, and Political Action during the 2008 Election Campaign.

Committee Member, School of Informatics & Computing, Indiana University.
Heekyoung Jung (2011). Exploratory Studies on Digital Form and Materiality.

Committee Member, School of Library & Information Science, Indiana University
Inna Kouper (2010). The Meanings of (Synthetic) Life: A Study of Science Information as Discourse.

Committee Member, Department of Telecommunications, Indiana University
Venkata Ratnadeep Suri (2010). Socio-Technical Perspectives on Geographical Information System: Use of GIS by Historians.

Committee Member, School of Library & Information Science, Indiana University
Andrew J. Kurtz (2009). The Influence of Aesthetics on the Learnability and Memorability of Website Interfaces.

SERVICE

Internal

- Member, Security Search Committee. School Global and International Studies 2015
- Member, Executive Committee, Dept. of International Studies 2015
- Faculty Member, Human Resources Hiring Committee, SoIC 2014
- Member, Undergraduate Committee, School of Informatics & Computing 2014-
- Member, Security Search Committee. School Global and International Studies 2014-15
- Member, Student Academic Appointee Board of Review, B. Faculty Council 2014-15
- Member, Faculty Advisory Committee, DILS 2103-14
- Member, Faculty Search Committee, Data Science Program 2013-14
- Reviewer, Indiana University Collaborative Research Grants 2013
- Member, Planning Committee, Merger of School of Library and Information Science and School of Informatics and Computing 2012
- Member, Faculty Search Committee, School of Informatics and Computing 2012
- Chair, Information Technology Committee 2011-12
- Director, Center for Research on Mediated Interaction 2009-
- Member, Faculty Search Committee 2009-10
- Member, Doctoral Steering Committee 2007-
- Member of twenty two doctoral advisory and research committees 2007-
- Member, Proudian Scholar Selection Committee 2005-06
- Member, Dean's Task Force on Summer Research Symposium 2005-06
- Member, Director of GIS Program Search Committee 2005-06
- Member, GIS Faculty Search Committee 2004-05
- Research Analyst: The Redlands Institute for Environmental Science, Management, and Policy 2003-06
- Member, Student Contract and Graduation Committees 2003-05
- Member, Student Life Committee 2003-05

External

- Member, Scientific Review Board. National Institutes of Health 2015
- Member, Scientific Review Panel. National Institutes of Health 2014
- Guest Editor (with Kallinikos, J. & Nardi, B.), Special issue of *The Information Society* on Regimes of Information: Embeddedness as Paradox 2012-14
- Guest Editor (with Jennifer Profitt and Steve McDowell), Special issue of *The Information Society* Monetization of User-Generated Content. 2012-13
- Guest Editor (with Selma Sabanovic), Special issue of *The Journal of Theoretical and Experimental Artificial Intelligence* on AI and New Media.
- Co-Chair, Doctoral Colloquium, Seventh Annual i-Conference, Fort Worth, TX. 2013
- Member, Program Committee, INTERACT 2013, Cape Town, South Africa 2013
- Member, Faculty Assessment Committee, Copenhagen Business School, Denmark 2012
- Member, Tenure Review, School of Library and Information Science, Univ. of Iowa 2012
- Reviewer, Center for Scientific Review, Patient-Centered Outcomes Research Institute, National Institutes of Health. 2012-
- Member, Program Committee, iConference 2012, Toronto, Canada. 2012
- Co-Chair, Doctoral Colloquium, iConference 2012, Toronto, Canada. 2012
- Member, Program Committee, Social Computing - Social Cognition -Social Networks and Multiagent Systems Symposium, AISB/IACAP World Conference, Birmingham, 2012
- Program Committee Member, Philosophy and Theory of Artificial Intelligence 2011
- Member, Program Committee, Annual Meeting of the American Society for Information Science and Technology, Pittsburg, PE. 2010
- Member, Program Committee, First International Symposium on Health Informatics 2010

- Reviewer, Center for Scientific Review, National Institute of Health 2010 -
- Associate Editor, *The Information Society* 2010 -
- Forum Editor, *The Information Society* 2007-2010
- Guest Editor, Special issue of *The Information Society*
On Geographies of Information Society 2007-2008
- Member, Leadership Group. Indiana Action II: AHRQ's Accelerating Change and Transformation in Organizations and Networks (ACTION) 2010 -
- Program Committee:
 - International Conference on Advances in Semantic Processing (SEMAPRO 2007) November 4-9, 2007 - Papeete, French Polynesia (Tahiti)
 - International Workshop on Community Informatics (COMINF'06) Nov 2 - Nov 3, 2006, Montpellier, France
- Consultant: National Information Infrastructure for Libya
- Reviewer: *The Information Society*, *Journal of American Society for Information Science and Technology*, *Information Technology & People*, *Journal of Digital Information*, *Journal of Information Technology*, *Encyclopedia of Knowledge Management*.
- Reviewer: Academy of Management Conference, Americas Conference on Information Systems, Design Research Society.
- Participant: Spatial Decision Support Portal 2008-
- Participant: Panel on the Knowledge Map of Information Science 2004-2005

PROFESSIONAL EXPERIENCE

- Cofounder, WellPlay Health Inc. Bloomington, IN. 2012-
- Cofounder and Board Member, Sazeh Khavar Company, Mashhad, Iran 1989-96
- Engineering Director, Sazeh Khavar Company, Mashhad, Iran 1992-96
- Project Manager, Arak Petrochemical Complex, Arak, Iran 1989-92
- Site Manager, Tarh Reconstruction Project, Mashhad, Iran 1986-89
- Site Manager, Shariati Power Station, Mashhad, Iran 1983-84
- System Analyst, National Iranian Offshore Oil Company, Tehran, Iran 1981-83
- Production Engineer, National Iranian Offshore Oil Company, Lavan Island, Iran 1979-81

PROFESSIONAL SOCIETIES

- Member of The American Society for Information Science and Technology
- Member of Society for the Social Studies of Science
- Member of the International Association for Computing and Philosophy
- Member of Cognitive Science Society
- Member of the Association for Information Science

LANGUAGES

- Fluent in English and Farsi
- Working knowledge of French and German
- Competent translator of English and Farsi:
 - Translation to Farsi of the Pulitzer-prize winning *Gödel, Escher, Bach: An Eternal Golden Braid* by Douglas R. Hofstadter. 1979. New York: Basic Books (in progress)