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Curriculum Vitae

NAME: Erik Brynjolfsson WEBSITE: <http://digital.mit.edu/erik>

EDUCATION

MIT Sloan School	Ph.D. Managerial Economics	9/86	2/91
Harvard University	S.M. Applied Math/Decision Science	9/83	6/84
Sorbonne	<i>Diplome Supérieur</i>	6/83	8/83
Harvard University	A.B. Applied Mathematics <i>Magna cum Laude</i>	9/80	6/84

TITLE OF DOCTORAL THESIS

Information Technology and the Re-organization of Work: Theory and Evidence

PRINCIPAL FIELD OF INTEREST

Information Technology and Economics, including:

- Information technology and the organization of work
- Information technology and productivity
- Pricing and sharing of digital information

EMPLOYMENT

MIT Sloan School	Schussel Family Professor of Management	7/01	–
Harvard Business School	Marvin Bower Fellow, Senior Research Fellow	9/04	8/05
MIT Sloan School	Associate Professor	7/95	6/01
Stanford University	Visiting Associate Professor	9/96	6/98
MIT Sloan School	Assistant Professor (Douglas Drane Career Development Chair)	6/90	6/95
MIT Sloan School	Research Assistant	9/86	6/90
Harvard University	Instructor	9/85	9/94

OTHER ACTIVITIES

Advisor, Future of Life Institute	4/14	–
Director, MIT Initiative on the Digital Economy (http://ide.mit.edu)	4/13	
Director, Center for Digital Business at MIT	9/02	4/13
Advisor, Knack, Inc.	6/12	–
Director, Computer Sciences Corporation	12/10	12/15
Chairman of the Board, <i>MIT Sloan Management Review</i>	7/07	6/16
Research Associate, National Bureau of Economic Research	9/06	–
Affiliate Member, MIT Computer Science and AI Laboratory	1/99	–
Advisor, AfterCollege, Inc.	9/98	–
Member, Time Magazine Board of Economists	9/98	6/12
Co-Chairman, Workshop on Information Systems and Economics	1/13	12/13
Advisor, Academic Advisory Council, Federal Reserve Bank of Boston	9/01	12/12
Advisor, iRobot Healthcare	7/10	7/11
Director, CSK Corporation	6/05	6/08
Co-Editor, Ecommerce Research Forum	3/99	10/07
Co-Chairman, Workshop on Information Systems and Economics	1/06	12/06
Expert Witness, SoundExchange, before Copyright Royalty Board	9/05	11/06

Co-Director, Center for eBusiness at MIT	6/99	8/02
Co-Director, Track on Electronic Commerce and Internet Marketing, MIT	1/99	6/99
Director, Program on Electronic Commerce and Marketing, MIT	8/98	6/99
Core Faculty, Stanford Computer Industry Project, Stanford University	9/96	6/98
Co-Chairman, Workshop on Information Systems and Economics	1/93	12/93
Expert Witness, Lotus Development Corporation	9/93	3/95
Founder and Director, Boston Computer Society Expert Systems Group	9/86	12/89
Former Director or Advisor:		
Flexplay Technologies, Inc. (Co-Founder); Foundation Technologies, Inc (Co-Founder);		
Frictionless Commerce, Inc; Interactive Transaction Services, Inc.; Network Subscriptions,		
Inc.; Nordia, Inc.; Optivo, Inc.		

AWARDS AND HONORS

Best Conference Paper, International Conference on Information Systems	2014
Finalist: Financial Times and McKinsey & Company Business Book of the Year Award for <i>The Second Machine Age</i>	2014
2014 J.P. Morgan Reading List for <i>The Second Machine Age</i>	2014
One of Politico Magazine's <i>Politico 50</i>	2014
New York Times Bestseller List for <i>The Second Machine Age</i>	2014
Best Paper Award in Information Systems published in previous three years in Management Science sponsored by the INFORMS Information Systems Society (ISS).	2013
Distinguished Fellow of the INFORMS Information System Society	2011
Best Paper Overall, International Conference on Information Systems	2008
Best Paper Overall, International Conference on Information Systems	2006
Best Paper on "Economics and Information Systems", International Conference on Information Systems	2006
Best Paper on "Valuing IT Opportunities", International Conference on Information Systems	2006
Marvin Bower Fellowship, Harvard Business School	2004-2005
E-Business Executive of the Year Award, eBusiness Association of New York	2001
Best Paper in Field of Marketing Science in 1999, John D.C. Little Award	2000
Best Paper published in Information Systems and Economics in previous five years, Workshop on Information Systems and Economics (WISE).	1999
Best Paper published in 1996, <i>Management Information Systems Quarterly</i>	1997
Best Paper on the Conference Theme, International Conference on Information Systems	1996
Named Douglas Drane Career Development Associate Professor of Information Technology and Management	1995
Best Paper Overall, International Conference on Information Systems	1994
Best Paper on the Conference Theme, International Conference on Information Systems	1994
Center for Telecommunications Management Dissertation Award	1989-90
Sloan Doctoral Scholarship	1986-90
<i>Magna cum Laude</i> in field of Applied Mathematics at Harvard College	1984
<i>Magna cum Laude</i> on Undergraduate Thesis at Harvard College	1984

Harvard College (Merit) Scholarship	1980-84
Winner, National Merit Scholarship	1980

RESEARCH AWARDS

“Management and organizational practices across the US”, National Science Foundation, (\$800,000, Co-PI)	2010-2012
Principal Investigator, Center for Digital Business Focused Research "Social Networks and Information Worker Productivity" (\$250,000)	2008-2009
Principal Investigator, Center for Digital Business Focused Research "Enterprise Information Technology" (\$200,000)	2008-2009
Principal Investigator, Center for Digital Business Focused Research "How Do Top Performers Use IT?" (\$200,000)	2008-2009
Principal Investigator, HP Labs Innovation Research Program (\$50,000)	2008
Principal Investigator, Google Research Awards Program (\$50,000)	2008
Principal Investigator, Center for Digital Business Focused Research "Social Networks and Information Worker Productivity" (\$250,000)	2007
Principal Investigator, Center for Digital Business Focused Research "Enterprise Information Technology" (\$200,000)	2007
Principal Investigator, Center for Digital Business Focused Research "IT, Innovation and Productivity" (\$50,000)	2006
Principal Investigator, Center for Digital Business Focused Research "EDM and Productivity" (\$300,000)	2006
Principal Investigator, Center for Digital Business Focused Research "IT and Customer Satisfaction" (\$150,000)	2006
Co-Principal Investigator, National Science Foundation (NSF) Grant, Computers, Information Science and Engineering Division, “The Social and Economic Implications of Information Technology ” (\$5,190,000) (continuing funding, 2001-2006)	
Principal Investigator, Center for eBusiness Focused Research "Information Technology, Organization and Performance" and the “Matrix of Change” (\$150,000)	2002-2005
Principal Investigator, Center for eBusiness Focused Research "Internet Organization and Culture: Cases" (\$50,000)	2003-2005
Principal Investigator, Center for eBusiness Focused Research "Information Technology Outsourcing and Intangibles" (\$150,000)	2002-2005
Co-Principal Investigator, National Science Foundation (NSF) Grant Computers, Information Science and Engineering Division, “The Social and Economic Implications of Information Technology ” IIS-0085725 (\$5,190,000)	2000-2005
Principal Investigator, Center for eBusiness Focused Research "Internet Organization and Culture" (\$150,000)	2001-2004
Principal Investigator, Center for eBusiness Vision Fund "Next Generation Academic Publishing" (\$80,000)	2001
Principal Investigator, MIT New Economy Value Research Lab: “Intangible Assets” (\$100,000)	2000-2001
Co-Principal Investigator, Center for eBusiness Focused Research "The Matrix of Change" (\$150,000)	2000
Principal Investigator, Center for eBusiness Focused Research "Pricing and Competition on the Internet (\$225,000)	1999-2001
Co-Principal Investigator, National Science Foundation (NSF) Grant, 97-00316, July 1, 1997 - March 2, 2001, Computers, Information Science and Engineering Division, “Contributions of IT Investment to Economic Performance” (\$643,637)	1997-2000
Principal Investigator, Organization for Economic Cooperation and	1997-98

Development (OECD) “IT and Organizational Architecture” (\$50,000)
 Subcontract, National Institute of Standards and Technology, (NIST) 1995-96
 “Adoption Patterns for Information Technology”, (\$39,000)

PRINCIPAL INVESTIGATOR (CURRENT PROJECTS):

With CBE/IDE:

BMW, “Improving Automotive Demand Predictions Using Online Activity Data”
 Capgemini Consulting North America, “Digital Leadership - Transforming Business Through Technology”
 Haier Electrical Appliance Corp Ltd., “From Products to Platforms” and “Digital Leadership: Assessment and Analysis”
 Markle Foundation, “Digital Technologies and Their Impact on the Earnings Prospects of American Workers”
 Masdar Institute, “The Economic Impact of Advanced Technology and Automation on Oil and Gas Sector”

PROFESSIONAL MEMBERSHIP AND ACTIVITIES

Chairman	<i>MIT Sloan Management Review</i> (to 2016)
Director	Information Systems Network (ISN) of the Social Science Research Network (SSRN)
Editor	Working Papers in Information System and Economics (ISN/SSRN)
Editor	Working Papers in Ecommerce and Ebusiness (ISN/SSRN)
Co-Editor	Ecommerce Research Forum
Co-Editor	<i>Management Science</i> Special Issue on “Information Systems and Economics”
Co-Editor	<i>Journal of Organizational Computing</i> Special Issue on “Economics, Information Systems and Organization”
Associate Editor	<i>Information Systems Research, Management Science</i>
Editorial Boards	<i>Communications of the ACM, Information Technology and People, International Journal of Electronic Commerce, Journal of Organizational Computing and Electronic Commerce, Sloan Management Review, Quarterly Journal of Electronic Commerce.</i>
Program Committees	ACM EC’01 - The Ecommerce Conference of the Association of Computing Machinery (2001), Telecommunications Policy Research Conference (1998), Economics of Digital Information and Intellectual Property (1997), International Conference on Information Systems (1995, 1996), Conference on Computer-Supported Cooperative Work (1994), INFORMS Conference on Information Systems and Technology (1996)
Referee	American Association for the Advancement of Science, <i>American Economic Review, California Management Review, Decision Support Systems</i> , Hawaii International Conference on System Sciences, <i>Information Systems Research, Information Technology and People</i> , Harvard University Press, <i>Information Systems Network</i> , International Conference on Information Systems, <i>Journal of Management Information Systems, Journal of Organizational Computing, Management Information Systems Quarterly</i> , MIT Press, National Bureau of Economic Research Book Series, National Science Foundation, <i>New Palgrave Dictionary of Economics, Management</i>

Member *Science, Quarterly Journal of Economics, RAND Journal of Economics, Review of Economics and Statistics*, Sloan Foundation
 American Association for Artificial Intelligence (AAAI),
 American Economic Association (AEA), Association for
 Computing Machinery (ACM), Association for Information
 Systems (AIS), Boston Computer Society (BCS), Institute for
 Electrical and Electronics Engineers (IEEE), Institute for
 Operations Research and Management Sciences (INFORMS)

TEACHING

At MIT:

15.572	Analytics Lab (with Sinan Aral)	Fall, '14, '15, '16, '17
15.567	The Economics of Information	Fall, '06; '07; '08; '09, '10, '13, '14, '15, '16, '17
MIT Sloan Executive Education: Big Data		Spring, '13; Summer '14; Fall '13
SIP	The Pricing Revolution (with Gabriel Bitran)	Spring '06
15.575	Research Seminar in Information Technology and Organizations: Economic Perspectives	Spring, '91, '93, '95, '01 '04 '06, '08, '10, '12; Fall '13, '15, '17
15.567	Fundamentals of Digital Business	Spring, '99; Fall '99, '00, '01 '02
15.963	Proseminar in Electronic Commerce	Fall, '99
15.967	Electronic Commerce/Marketing and the Internet	Spring, '96, '98
15.566	Information Technology as an Integrating Force in Manufacturing	Spring, '94, '95, '96, '98 '99
15.561	Information Systems: From Technology Infrastructure to the Networked Corporation	Spring, '94, '99, '00, '02
15.562	Principles of Information Technology	Spring, '91, '92
15.599	Workshop in Information Technology	Fall, '91; Spring, '92

At Stanford:

T255	Managing in an Information Age	Winter, '97; Spring '98
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At Harvard:

CSS-414	Building Expert Systems	Fall, '85, '86; Spring, '88, '89, '90, '91, '92, '93, '94
CSS-415	Applications of Artificial Intelligence	Fall, '87

THESIS SUPERVISION

Doctoral Theses Supervised

G. Saint-Jacques	<i>Essays on Information Technologies, Social Networks and Individual Economic Outcomes</i> (Chair)	1/17
H. Kim	<i>Three Essays in the Economics of Information Technology</i> (Chair)	6/13
L. Wu	<i>Essays on social networks and information worker productivity</i> (Chair)	7/11
A.R. Saunders	<i>Intangible Assets</i> (Chair)	7/11
A.S. Litwin	<i>Information Technology and the Employment Relationship</i> (Reader)	7/08
S. Bhansali	<i>Essays on the Impact of Information Technology</i> (Chair)	7/07

S. Aral	<i>Essays on Information, Technology and Information Worker Productivity</i> (Chair)	12/06
M. Zhang	<i>Tapping into the Pulse of the Market: Essays on Marketing Implications of Information Flows</i> (Chair)	6/06
Y. Hu	<i>Essays on Internet Markets and Information Goods</i> (Chair)	2/05
D. Fitoussi	<i>Information Technology and Business Transformation: Work Location and the Allocation of Decision Rights</i> (Chair)	6/04
M. Smith	<i>Essays on Structure and Competition in Electronic Markets</i> (Chair)	8/00
J. Gallien	<i>Optimization-Based Auctions and Stochastic Assembly Replenishment Policies for Industrial Procurement</i> (Reader)	5/00
S. Yang	<i>Essays on Information Technology and Intangible Assets</i> (Chair)	2/00
A. Wenger	<i>Essays on Information Technology and Work Organization</i> (Chair)	9/98
J. Bailey	<i>Intermediation and Electronic Markets: Aggregation and Pricing in Internet Commerce</i> (Reader)	6/98
M. Van Alstyne	<i>Information Distribution in Networks</i> (Chair)	9/97
L. Hitt	<i>Economic Analysis of Information Technology and Organization</i> (Chair)	6/96
F. Zettlemeyer	<i>Three Essays on Marketing</i> (Reader)	6/96
D. Simester	<i>Analytic Essays on Marketing</i> (Reader)	5/93

Masters Theses Supervised

T. Weigert	<i>Data-Driven Decision Making: An Adoption Framework</i>	5/17
Y. Wu		12/14
B. Kapicka		12/13
Y. Bashir	<i>Next generation business intelligence software, areas for growth & opportunities for innovation</i>	7/11
K. Son	<i>Mobile Commerce</i>	7/11
M.Z. Hydari	<i>Unified Communications: Convergence of Platforms and Strategies of Two Software Vendors</i>	5/08
T. S. Choe	<i>Identifying word categories for diffusion studies in an email social network</i>	6/06
M. Farrokhzadi	<i>Entropy, Information Rate and Mutual Information Measures for the Email Content of Information Workers</i>	5/07
P. Manoharn	<i>Diversity Measurement for the Email Content of Information Workers</i>	6/06
N. Yamamoto	<i>Strategies for Next-Generation Fixed Line Service in Japan</i>	6/04
H. Tomikawa	<i>The Integration of Online Content Distribution and Electronic Payment businesses</i>	6/03
H. Seshake	<i>Telecommunications Strategy Transition: The Shift to Personalization and Non-Human Communication</i>	6/03
E. Borbon	<i>The Effects of Technology in Retail Banking</i> (Reader)	6/03
S. Ghosemajumder	<i>Advanced Peer-Based Technology Business Models</i>	6/02
T. Carvalho	<i>Analysis of Business Performance Changes due to the Incorporation of Multimedia Information in the Internet</i>	6/02
S. Aldana	<i>Characteristics of the Innovation Process: Evidence from Intellectual Property Data</i>	2/02
S. Coutin	<i>Location-based services for Mobile Commerce,</i>	6/01
K. Aoyama	<i>Possibility of Contents Distribution Business: Using Wireless Equipment in Japan</i>	6/00
N. Westphal	<i>Partnerships between Shopping Smart Agents and Electronic Retailers</i>	6/00
A. Graylin	<i>Geographically distributed Facilities in the Creation of Global</i>	6/00

	<i>E-Business Hosting</i>	
M. Perutz	<i>An Investigation of Price Dispersion in Internet Auctions</i>	2/00
J. Wilcox	<i>Pricing of Content on the Internet: The Aggregator Model</i>	6/96
K. Berke	<i>Evaluating Investments in Information Technology: Theory versus Practice</i>	6/96
T. Akagi	<i>The Intranet of Sun Microsystems: How Organizational Rules of the Game Affect Its Evolution</i>	6/96
H. Kameda	<i>The Business Value of Information Technology (IT) in the Banking Industry</i>	5/96
R. Viswanathan	<i>Economic Organization and the Impact of Information Technology</i>	5/95
D. Kim	<i>Multimedia Technology and Organizations in Consumer Electronics (Reader)</i>	5/95
A. Cyrus	<i>The State of Business Reengineering: A Look at Information Technology's Role</i>	5/95
Y. Nakamori	<i>The Impacts of Mass Customization and Information Technology on Japanese Banking Industry</i>	5/94
Y. Fukuda	<i>Multimedia and Nintendo's Strategy</i> (Awarded Second Prize in the 1994 ENNE Thesis Competition.)	5/94
S. Yang	<i>The Relationship Between IT Investment and Market Value of Firms</i>	5/94
Y. Kuo	<i>Some Estimates of the Value of Software</i>	5/94
B. McHenry	<i>Corporate Principles in the Information Age: Survey and Analysis</i>	9/93
W. Newman	<i>The Value of Knowledge and Intangible Capital: A Methodological Investigation</i>	8/93
A. Austin	<i>Management and Scheduling Aspects of Increasing Flexibility in Manufacturing</i> (Awarded First Prize in the 1993 ENNE Thesis Competition.)	5/93
D. Mayo & D. Young	<i>Product Strategies for Packaged Software: An Exploratory Study of the Spreadsheet Market</i> (Awarded Second Prize in the 1993 ENNE Thesis Competition.)	5/93
S. McGrady	<i>Feasibility Analysis of a New Business Venture: Medimatch, An Electronic Job Information Marketplace for Healthcare Professionals</i>	5/93
J. Hasegawa	<i>Knowledge-Base and Relational Database Management Techniques for Scheduling Classes at the Sloan School</i>	5/91
N. Yamamoto	<i>Evaluating Investments in Information Technology</i>	5/91
S. Sligh	<i>An Assessment of the Analog Modem Market</i> (Reader)	5/91

Ph.D. Theses in Progress

Shan Huang, Daniel Rock

Post-Docs Supervised

Sagit Bar-Gill, Andrey Fradkin, Seth G. Benzell

Heekyung (Helen) Kim, JooHee Oh, Shachar Reichman (2015)

PUBLICATIONS

Books

1. Brynjolfsson, Erik and Andrew McAfee. (2017) *Machine, Platform, Crowd: Harnessing Our Digital Future*, W.W. Norton, June 2017.
2. Brynjolfsson, Erik and Tom Mitchell (Co-Chairs). (2017) National Academies of Sciences, Engineering and Medicine. *Information Technology and the U.S. Workforce: Where Are We and Where Do We Go From Here?* Washington, DC: The National Academies Press, 2017. doi: 10.17226/24649
3. Brynjolfsson, Erik and Andrew McAfee. (2014) *The Second Machine Age: Work, Progress, and Prosperity in a Time of Brilliant Technologies*, W.W. Norton, January 2014.
4. Brynjolfsson, Erik and Andrew McAfee. (2011) *Race Against the Machine: How the Digital Revolution is Driving Productivity, Accelerating Innovation, and Irreversibly Changing Employment and the Economy*, Digital Frontier Press, October, 2011. (print version, January, 2012).
5. Brynjolfsson, Erik and Adam Saunders. (2009). *Wired for Innovation: How Information Technology is Reshaping the Economy*, MIT Press, September, 2009.
6. Brynjolfsson, Erik. (2004) *Intangible Assets*, Tuttle-Mori /CSK Corp., Tokyo, Japan, May 2004.
7. Brynjolfsson, Erik and Glen Urban (eds.). (2001) *Strategies for eBusiness Success*, Jossey-Bass, Cambridge, MA, November 2001.
8. Brynjolfsson, Erik and Kahin, B. (eds.) (2000) *Understanding the Digital Economy*, MIT Press, Cambridge, MA. September 2000. (Translated to Japanese, 2002)
9. Varian, Hal, F. Allen, E. Brynjolfsson, J. Schement, S. Shenker, L. Sproull and R. Sutch. (1998) *Fostering Research on the Economic and Social Impacts of Information Technology*, Computer Science and Telecommunications Board, National Research Council, National Academy Press, Washington, D.C. 1998.

Refereed Journal Articles

1. Brynjolfsson, Erik and Tom Mitchell. (2017) “What Can Machine Learning Do? Workforce Implications.” *Science* 358(6370): 1530–1534.
2. Aral, Sinan, Yannis Bakos, and Erik Brynjolfsson. (2017). “Information Technology, Repeated Contracts, and the Number of Suppliers.” *Management Science*. Articles in Advance, 15 Mar 2017. ISSN 0025-1909 (print), ISSN 1526-5501 (online).
3. Brynjolfsson, Erik, Tomer Geva, and Shachar Reichman,. (2016) “Crowd Squared: Amplifying the Predictive Power of Search Trend Data” *MIS Quarterly*, 40(4):941-961.
4. Brynjolfsson, Erik and Adam Saunders. (2016). “Valuing Information Technology Related Intangible Assets.” *MIS Quarterly*, 40(1):83-110.

5. Bertsimas, Dimitris, Erik Brynjolfsson, Shachar Reichman, and John Silberholz. (2015). "OR Forum—Tenure Analytics: Models for Predicting Research Impact." *Operations Research*, 63(6):1246-1261.
6. Aral, Sinan, Erik Brynjolfsson and Lynn Wu. (2012) "Three-Way Complementarities: Performance Pay, HR Analytics and Information Technology." *Management Science*, 58(5):913-931.
7. Aral, Sinan, Erik Brynjolfsson and Marshall Van Alstyne. (2012) "Information, Technology and Information Worker Productivity" (Lead article) *Information Systems Research*, Sept., pp. 849-867.
8. Tambe, Prasanna, Lorin Hitt, and Erik Brynjolfsson. (2012) "The Extroverted Firm: How External Information Practices Affect Innovation and Productivity" (Lead article) *Management Science*, pp. 1110-1446. (January, 2012).
9. Brynjolfsson, Erik, Jeffrey Hu and Dundan Simester. (2011) "Goodbye Pareto Principle, Hello Long Tail: The Effect of Search Costs on the Concentration of Product Sales" *Management Science*, June, 2011.
10. Brynjolfsson, Erik, Yu (Jeffrey) Hu and Michael Smith. (2010) "Long Tails vs. Superstars: The Effect of Information Technology on Product Variety and Sales Concentration Patterns", *Information Systems Research*, (December) 21:736-747
11. Brynjolfsson, Erik, Hu, Yu (Jeffrey) and Rahman, Mohammad "Battle of the Retail Channels: How Product Selection and Geography Drive Cross-channel Competition", *Management Science*, Vol. 55, No. 11, November 2009, pp. 1755-1765. (Lead Article)
12. Brynjolfsson, Erik, Astrid A. Dick, and Michael D. Smith (2009) "A Nearly Perfect Market? Differentiation vs. Price in Consumer Choice" *Quantitative Marketing and Economics*, November.
13. Simester, Duncan, Hu, Yu (Jeffrey), Brynjolfsson, Erik and Anderson, Eric, "Dynamics of Retail Advertising: Evidence from a Field Experiment" *Economic Inquiry* (June, 2008).
14. Van Alstyne, Marshall and Erik Brynjolfsson (2005) "Global Village or Cyberbalkans: Modeling and Measuring the Integration of Electronic Communities", *Management Science*, Vol. 51, No. 6 (June) pp. 851-868.
15. Brynjolfsson, Erik, Michael D. Smith, and Yu (Jeffrey) Hu (2003) "Consumer Surplus in the Digital Economy: Estimating the Value of Increased Product Variety at Online Booksellers" *Management Science*, Vol. 49, No. 11, November.
16. Brynjolfsson, Erik and Hitt, Lorin (2003) Computing Productivity: Firm-level Evidence, *Review of Economics and Statistics*, Vol. 84, No. 4. November.
17. Brynjolfsson, E, L. Hitt and S. Yang, (2002) "Intangible Assets: Computers and Organizational Capital" *Brookings Papers on Economic Activity*, Brookings Institution.
18. Bresnahan, T, E. Brynjolfsson, and L. M. Hitt (2002). "Information Technology, Workplace Organization, and the Demand for Skilled Labor: Firm-Level Evidence," *Quarterly Journal of Economics*, Vol. 117, Issue 1, Feb 2002 pp 339-376.

19. Smith, Michael D. and Erik Brynjolfsson, Consumer Decision-making at an Internet Shopbot: Brand Still Matters, *Journal of Industrial Economics*, Vol. XLIX No. 4 Dec 2001 pp 541-558
20. Brynjolfsson, E. and M. D. Smith (2000) "Frictionless Commerce? A Comparison of Internet and Conventional Retailers", *Management Science*, April.
21. Bakos, Y. and Brynjolfsson, E., (2000) "Bundling and Competition on the Internet", *Marketing Science*, Winter.
22. Bakos, Y. and Brynjolfsson, E., (1999) "Bundling Information Goods: Pricing, Profits and Efficiency", *Management Science*, December.
23. Bakos, Y., E. Brynjolfsson and D. Lichtman (1999) "Shared Information Goods". *Journal of Law and Economics*, April.
24. Hitt, L. and E. Brynjolfsson, "Information Technology and Internal Firm Organization: An Exploratory Analysis" *J. Management Information Systems*, Vol. 14, No. 2. Fall, 79-99, (1997)
25. Brynjolfsson, E., A. Renshaw and M. V. Alstyne, "The Matrix of Change", *Sloan Management Review*, Winter (1997).
26. Van Alstyne, M. and E. Brynjolfsson, "Widening Access and Narrowing Focus: Could the Internet Balkanize Science?" *Science*, 274, 1479-1480, (1996).
27. Brynjolfsson, E. and C. Kemerer, "Network Externalities in Microcomputer Software: An Econometric Analysis of the Spreadsheet Market", *Management Science*, December, (1996). (Earlier version published in *Proceedings of the International Conference on Information Systems*. Orlando, FL., December, (1993))
28. Brynjolfsson, E., "The Contribution of Information Technology to Consumer Welfare", *Information Systems Research*, 7 September (1996).
29. Hitt, L. and E. Brynjolfsson, "Productivity, Business Profitability and Consumers' Surplus: Three Different Measures of Information Technology Value", *MIS Quarterly*, (June): 121-142, (1996). (Earlier version published as: "The Three Faces of IT Value: Theory and Evidence", *Proceedings of the International Conference on Information Systems*, Vancouver, British Columbia.(1994))
30. Brynjolfsson, E. and L. Hitt, "Paradox Lost? Firm-level Evidence on the Returns to Information Systems Spending", *Management Science*, April, (1996). (Reprinted in Willcocks, L. and Lester, S. (eds.). *Beyond The IT Productivity Paradox: Assessment Issues*. McGraw Hill, Maidenhead. (1998))
31. Brynjolfsson, E. and S. Yang, "Information Technology and Productivity: A Review of the Literature", in *Advances in Computing*, Zelkowitz, M. (ed.), Volume 43, (1996).
32. Brynjolfsson, E. and L. Hitt, "Information Technology as a Factor of Production: The Role of Differences Among Firms", *Economics of Innovation and New Technology*, (1995).
33. Alstyne, M. V., E. Brynjolfsson and S. Madnick, "Why Not One Big Database? Principles for Data Ownership", *Decision Support Systems*, 15 (December): 267-284,

- (1995). (Earlier version published as: "Ownership Principles for Distributed Database Design". *Proceedings of the Second Workshop on Information Technology and Systems*, Dallas, TX (1992))
34. Brynjolfsson, E. "Information Assets, Technology, and Organization", *Management Science* 40, December (1994).
 35. Brynjolfsson, E., T. Malone, V. Gurbaxani and A. Kambil, "Does Information Technology Lead to Smaller Firms?" *Management Science* 40, December (1994).
 36. Brynjolfsson, E. "The Productivity Paradox of Information Technology: Review and Assessment", *Communications of the ACM*, Vol. 36, No. 12, Dec. 1993. (Translated to Japanese and reprinted in *Prevision*, June, 1994 and translated to Dutch and reprinted in *Management and Organization of Automation*, Fall 1994)
 37. Bakos, J.Y. and Brynjolfsson, E., "From Vendors to Partners: Information Technology and Incomplete Contracts in Buyer-Supplier Relationships", *Journal of Organizational Computing*, December (1993).
 38. Bakos, J.Y. and Brynjolfsson, E., "Information Technology, Incentives and the Optimal Number of Suppliers", *Journal of Management Information Systems*, Fall 1993. (Revision reprinted in *Conference Proceedings of Electro/94 International*, Boston, May, (1994); a subsequent revision reprinted as "Organizational Partnerships and the Virtual Corporation," in Kemerer, C. ed., *The Future of Markets and Organizations: How IT Shapes Competition*, Kluwer Academic Press, (1997); and an earlier version published as: "Why Information Technology Hasn't Increased the Optimal Number of Suppliers". *26th Annual Hawaii International Conference on System Sciences*, Wailea, HI (1993))

Articles in Refereed Conference Proceedings

39. MacCrory, Frank, George Westerman, and Erik Brynjolfsson. "Identifying the Multiple Skills in Skill-Biased Technical Change." *AIS Electronic Library*, December. (2015).
40. Saint-Jacques, Guillaume, and Erik Brynjolfsson. "Information Technology and the Rise of the Power Law Economy." *AIS Electronic Library*, December. (2015).
41. Brynjolfsson, Erik, George Westerman, Frank MacCrory, and Yousef Alhammadi "Racing With and Against the Machine: Changes in Occupation Skill Composition in an Era of Rapid Technological Advance". *Proceedings of the International Conference on Information Systems*, Auckland, December 2014.
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52. Brynjolfsson, E., Hu, J. and Smith, M. D, "Consumer Surplus in the Digital Economy: Estimating the Value of Increased Product Variety" (2001, revised 2002)
53. Brynjolfsson, E., and Smith, M. "The Great Equalizer? Consumer Choice at Internet Shopbots," Working paper (2000)
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56. Bresnahan, T, E. Brynjolfsson, and L. M. Hitt (1998). "How Do Information Technology and Organizational Design Affect Labor Demand? Evidence from Firm-level." Mimeo.
57. Brynjolfsson, E. and D. McAdams. (1998) "Featuritis", mimeo.
58. Bakos, Y., E. Brynjolfsson and D. Lichtman (1998) "Shared Information Goods". Working Paper, University of Chicago Law School.
59. Brynjolfsson, E. and M. D. Smith "Frictionless Commerce? A Comparison of Internet and Conventional Retailers" mimeo.
60. Bakos, J.Y. and Brynjolfsson, E. "Bundling and Competition on the Internet" mimeo
61. Brynjolfsson, E., and L. M. Hitt, (1998) "Beyond Computation: Information Technology, Organization Transformation and Business Performance" mimeo.
62. Brynjolfsson, E. and L. M. Hitt (1997a). "Information Technology and Organizational Design: Evidence from Firm-level." MIT Sloan School Working Paper.

63. Brynjolfsson, E. and L. Hitt, "Information Technology and the Allocation of Decision Rights: Micro Evidence" MIT mimeo, December, 1995 (Prepared for Meeting of American Economic Association, January, (1996)).
64. Bakos, Y. and Brynjolfsson, E., "Bundling Information Goods: Pricing, Profits and Efficiency", MIT Sloan School December (1996).
65. Brynjolfsson, E. and L. Hitt, "Computers and Productivity Growth: Firm-level Evidence", MIT Sloan School December (1996).
66. Brynjolfsson, E. and L. Hitt, "Information Technology as a Factor of Production: The Role of Differences Among Firms", Working paper, (1994).
67. Brynjolfsson, E. and L. Hitt, "Computers and Economic Growth: Firm level Evidence", Working paper, (1994).
68. Alstyne, M. V., E. Brynjolfsson and S. Madnick, "Principles for Data Ownership", Working paper, (1993).
69. Brynjolfsson, E. "An Incomplete Contracts Theory of Information, Technology, and Organization", Working Paper, (1993).
70. Brynjolfsson, E., "Some Estimates of the Contribution of Information Technology to Consumer Welfare", Working Paper, (1993).
71. Bakos, J.Y. and Brynjolfsson, E. "When Quality Matters: Information Technology and Incomplete Contracts in Buyer-Supplier Relationships", Working paper, (1992).
72. Bakos, J.Y. and Brynjolfsson, E. "Information Technology, Incentives and the Optimal Number of Suppliers," Working paper, (1992).
73. Brynjolfsson, E., Malone, T., Gurbaxani, V. and Kambil, A., "An Empirical Analysis of the Relationship Between Information Technology and Firm Size", MIT, Center Coordination Science Technical Report 123, September 1991.
74. Brynjolfsson, E. (1991). The Productivity of Information Technology: Review and Assessment (CCS TR#125). MIT Sloan School of Management.
75. Brynjolfsson, E. and B. Bimber. (1989). "Information Technology and the 'Productivity Paradox'". Report prepared for the MIT Laboratory for Computer Science.
76. Brynjolfsson, E., T.W. Malone and V. Gurbaxani. (1988). "Markets, Hierarchies and the Impact of Information Technology", (Sloan WP #2113-88). MIT Sloan School of Management.

Software

1. Brynjolfsson, E, *Dragonfire*, and *Dragonfire II*, published by Magicware for Apple, Commodore and IBM Personal Computers, (September, 1984 -August, 1985; and August, 1985 - November, 1989, respectively).
2. Brynjolfsson, E., A. Renshaw, M. V. Alstyne and A. Bernstein, *Matrix of Change Software*, Available via the Internet, <http://ebusiness.mit.edu/MoC>

Patented Inventions

1. Bakos, Y. and Brynjolfsson, E., “Directory Read Inhibitor for Optical Storage Media.” U.S. patent 6,838,144; issued January 2005.
2. Bakos, Y., Brynjolfsson, E., Heller, A. and Heller, E., “Pseudo-reflective Read Inhibitor for Optical Storage Media.” U.S. patent 6,839,316; issued January 2005.
3. Bakos, Y., and Brynjolfsson, E., “Directory Read Inhibitor for Optical Storage Media.” U.S. patent 6,641,886; issued November 2003.
4. Bakos, Y., Brynjolfsson, E., Heller, A. and Heller, E., “Pseudo-transmissive Read Inhibitor for Optical Storage Media.” U.S. patent 6,511,728; issued February 28, 2003.
5. Bakos, Y., Brynjolfsson, E., Heller, A. and Heller, E., “Pseudo-reflective Read Inhibitor for Optical Storage Media.” U.S. patent 6,537,635; issued March 25, 2003.

Theses

1. Brynjolfsson, Erik, *Information Technology and the Re-organization of Work: Theory and Evidence*, Ph.D. Dissertation, MIT Sloan School of Management, 1991.
2. Brynjolfsson, Erik. *The Intercountry Distribution of Multinational Enterprise Activity*. Undergraduate Thesis, Harvard University, 1984.

INVITED ORAL PRESENTATIONS

1. “Massive Online Choice Experiments” (Speaker). International Monetary Fund (IMF) Statistical Forum, Washington, DC, November 17, 2018.
2. “Minding the Machines: AI at Work” (Panelist). MIT Here > Now > Next, Massachusetts Institute of Technology, Cambridge, MA, October 20, 2018.
3. “Skills, technology, and lifelong learning; past, present, and future” (Speaker). Google conference Helping to Prepare for the Future of Work, MIT Corporate Center (ILP), Cambridge, MA, October 13, 2018.
4. “The Inclusive Innovation Challenge 2018” (Keynote). MIT Initiative on the Digital Economy, Boston, MA, October 12, 2018.
5. “AI and the Modern Productivity Paradox” (Speaker) NBER AI Conference, Toronto, ONT, Canada, September 14, 2018.
6. “Machine, Platform, Crowd” (Interview). Fareed Zakaria GPS, CNN, New York, NY, August 3, 2018.
7. “Massive Online Choice Experiments” (Keynote). The Society for Economic Measurement. Massachusetts Institute of Technology, Cambridge, MA, July 26 2017.
8. “The AI Awakening” (Speaker). Chinese Executive Forum Massachusetts Institute of Technology, Cambridge, MA, July 23, 2017.
9. “Machine, Platform, Crowd” (Speaker). *Harvard Business Review* Facebook Live. Filmed at MIT-Sloan, Massachusetts Institute of Technology, Cambridge, MA, July 18, 2018.

10. “Machine, Platform, Crowd” (Speaker). The Royal Society of Arts, London, UK, July 10, 2018.
11. “Machine, Platform, Crowd” (Interview). Economist Radio, *The Economist*, London, UK, July 11, 2018.
12. “Machine, Platform, Crowd” (Speaker). How-To Academy, London, UK, July 10, 2018.
13. “How Will Artificial Intelligence Shake up Business and Society?” (Speaker). Session with Thomas Friedman. Aspen Ideas Festival, Aspen, CO, July 1, 2017.
14. “The Future of Work” (Speaker). Public Lunch Session with Senator Tom Warner. Aspen Ideas Festival, Aspen, CO, June 30, 2017.
15. “Machine, Platform, Crowd” (Author talk). Google, New York, NY, June 29, 2017.
16. “Machine, Platform, Crowd” (Interview). Bloomberg View, Bloomberg TV & Radio, New York, NY, June 29, 2017.
17. “Machine, Platform, Crowd” (Taped Interview). Yahoo! Finance National, New York, NY, June 29, 2017.
18. “Machine, Platform, Crowd” (Interview). Bloomberg Surveillance with Tome Keene, Bloomberg TV & Radio, New York, NY, June 29, 2017.
19. “Machine, Platform, Crowd” (phone Interview). CBS News Interactive with Hope Reese, New York, NY, June 28, 2017.
20. “Machine, Platform, Crowd” (Speaker). Politics and Prose author event, Washington, DC, June 27, 2018.
21. “Machine, Platform, Crowd” (Speaker). Neustar with Hooks Books, Sterling, VA, June 27, 2018.
22. “Machine, Platform, Crowd” (Speaker). Noblis Technology Speaker Series, Noblis, Reston, VA, June 27, 2018.
23. “Machine, Platform, Crowd” (Speaker). Harvard Bookstore Author Series/National with Tom Ashbrook. Brattle Theatre, Cambridge, MA June 26, 2017
24. “Machine, Platform, Crowd” (Live Stream). Sloan Experts Series. WBUR-FM “On Point” with Tom Ashbrook. Massachusetts Institute of Technology, Cambridge, MA, June 26, 2017.
25. “Machine, Platform, Crowd” (Interview). WBUR-FM “On Point” with Tom Ashbrook. WBUR Studios, Boston MA, June 26, 2017.
26. “Machine, Platform, Crowd” (Speaker). Microsoft Author Talks Series. Microsoft Corporate Campus, Redmond, WA.
27. “Machine, Platform, Crowd” (Speaker). Town Hall with Ramez Naam. Town Hall Seattle, Seattle, WA, June 22, 2017.
28. “The Ecomodern Economy” (Panelist). Breakthrough Dialogue 2017: Democracy in the Anthropocene.” Cavallo Point, Sausalito, CA, June 22, 2017.
29. “Machine, Platform, Crowd” (Speaker). Recorded for audio/video broadcast. Commonwealth Club, San Francisco, CA, June 21, 2017.
30. “Machine, Platform, Crowd.” Podcast at Andreessen-Horowitz, Menlo Park, CA, June 21, 2017.

31. “Machine, Platform, Crowd.” Google Headquarters, Google Plymouth Building #2, Mountain View, CA, June 21, 2017.
32. “Artificial Intelligence and the Future of Work” (Closing Keynote). Initiative on the Digital Economy Alumni Conference. San Francisco, CA, June 20, 2017.
33. “Data Made to Matter” (with Andrew McAfee). Podcast for the MIT Sloan School hosted by Neal Hartman. Massachusetts Institute of Technology, Cambridge, MA, June 12, 2017
34. “The Second Wave of the Second Machine Age” (Keynote). Swiss Economic Forum 2017. Congress Centre Kursaal, Interlaken, Switzerland, June 1, 2017.
35. “Welcome and Opening Remarks” (Speaker). 2017 MIT Initiative on the Digital Economy (IDE) Annual Conference. Massachusetts Institute of Technology, Cambridge, MA, May 25, 2017.
36. “The Second Wave of the Second Machine Age” (Keynote). LiveWorx17 Technology Conference and Marketplace. Boston Convention and Exhibition Center, Boston, MA, May 23, 2017.
37. “Using Massive Online Choice Experiments to Measure Changes in Well-Being” (Speaker). Harvard Business School Digital Initiative Discussion & Symposium (DIDS). Harvard University, Cambridge, MA, May 12, 2017.
38. “Does technology still create more opportunity than it destroys?” (Speaker). Opening Plenary Session, SOLVE at MIT. Massachusetts Institute of Technology, Cambridge, MA.
39. “Machine Learning and Work” (Speaker). Center for Brains, Minds and Machines (CBMM). Massachusetts Institute of Technology, Cambridge, MA, May 5, 2017.
40. “Machine Learning and Work” (Conversation with Rod Brooks). TED Workshop. Vancouver, BC, Canada, April 25, 2017
41. “The Second Wave of the Second Machine Age” (Lecture). Oxford Martin School and the Oxford Internet Institute (OII). Oxford University, Oxford, England, April 20, 2017.
42. “The Second Wave of the Second Machine Age” (Speaker). J.P. Morgan CIB Senior Leaders’ Meeting. Key Biscayne, FL, April 7, 2017.
43. “Information Technology and the U.S. Workforce: Where are we and where do we go from here?” Computer Science and Telecommunications Board (CSTB), National Academies of Sciences, Engineering, and Medicine (NASEM). Via videoconference, March 20, 2017.
44. “Information Technology and the U.S. Workforce: Where are we and where do we go from here?” National Academies of Sciences, Engineering, Medicine (NASEM). Washington, DC, March 6, 2017.
45. “Artificial Intelligence and Work” (Speaker). Panel: Artificial Intelligence, People, and Society. AAAS 2017 Annual Meeting. Boston, MA, February 18, 2017.
46. “Will Robots Eat Your Job?” (Keynote). LearnLaunch Across Boundaries Conference. Boston, MA, February 2, 2017.
47. “Policy Implications of the Second Machine Age” (Speaker). HM Treasury. London, UK, January 26, 2017.

48. “Jobs and the 4th Industrial Revolution” (Speaker). World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 19, 2017.
49. “Artificial Intelligence: Driving Fundamental Transformation and Growth” (Panelist). Joint B20-BCG-Accenture Breakfast Panel, World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 19, 2017.
50. “Shaping the Future of Work and Employment” (Speaker). CGA Session, World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 18, 2017.
51. “Time for a New Nordic Model?” (Discussant). World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 18, 2017.
52. “Artificial Intelligence and Employment” (Speaker). Technology Partnerships, World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 17, 2017.
53. “Responsive and Responsible Leadership” (Keynote). Loft Preview, World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 16, 2017.
54. “Harnessing Technology Disruption for Success” (Presenter). Business Leaders’ Exchange, World Economic Forum Annual Meeting 2017. Davos, Switzerland, January 16, 2017.
55. “Artificial Intelligence and the Economy” (Keynote). Future of Life Institute Conference: Beneficial AI 2017. Asilomar, CA. January 6, 2017.
56. “The Internet of Things” (Panelist). IoT Panel, Workshop on Information Systems and Economics (WISE). Dublin, Ireland, December 15, 2016.
57. “Market Value of Human Capital” (Speaker). Workshop on Information Systems and Economics (WISE). Dublin, Ireland, December 15, 2016.
58. “Life with Tenure” (Panelist). Working with the Media, Influencing Others (dinner panel sponsored by MIT Provost Martin Schmidt), Massachusetts Institute of Technology (MIT). Cambridge, MA, December 8, 2016.
59. “Technology, Automation, Productivity, Shifting Models of Work” (Speaker). 76th Plenary of the Group of 30, Federal Reserve Bank of New York. New York, NY, December 3, 2016.
60. “Drivers of Management Practices” (Presenter). National Bureau of Economics Research (NBER) Organizational Economics Workshop. Cambridge, MA, November 18, 2016.
61. “Artificial Intelligence and the Economy” (Roundtable). White House Office of Science and Technology. Washington, DC, November 17, 2016.
62. Panel on Digital Experimentation” (Moderator). CODE@MIT 2016. Cambridge, MA, October 14, 2016.
63. “Oxford Debate: Inequality in the 21st Century” (Speaker). Via videoconference to Oxford Union. Oxford, England, October 1, 2016.
64. “Digital in Traditional Industries” (Address). Nordstjernan Seminar. Stockholm, Sweden, August 31, 2016.
65. “The Second Machine Age” (Keynote). ETLA. Helsinki, Finland, August 29, 2016.
66. “The Second Machine Age” (Opening Speaker). Massachusetts Institute of Technology (MIT). Cambridge, MA, August 4, 2016.

67. “Artificial Intelligence and the Workforce” (Panelist). National Bureau of Economics Research (NBER). Cambridge, MA, July 22, 2016.
68. “New Measures of Consumer Welfare (Presenter). Conference of Research on Income and Wealth (at NBER Summer Institute). Cambridge, MA, July 18, 2016.
69. “Artificial Intelligence and the Economy” (Community Session). TED. Banff, Canada, June 28, 2016.
70. “Academic Keynote Panel” (Panelist). MIT CIO Symposium. Cambridge, MA, May 18, 2016.
71. “Should We Have a Universal Basic Income?” (Speaker). Presentation via videoconference to Zurich, Switzerland, May 4, 2016.
72. “Labor and Financial Markets” (Speaker). Artificial Intelligence & Governance Symposium, MIT Media Lab. Cambridge, MA, April 28, 2016.
73. “The Second Machine Age” (Annual Lecture). Herbert Simon Awards. Budapest, Hungary, March 25, 2016.
74. “The On Demand Economy” (Speaker). Initiative on the Digital Economy (IDE) On Demand Economy Conference, MIT. Cambridge, MA, March 14, 2016.
75. “AAAI Plenary” (Speaker). Association for the Advancement of Artificial Intelligence (AAAI), Thirtieth Annual AAAI Conference. Phoenix, AZ, February 15, 2016.
76. “Freakonomics Podcast” (Podcast). Freakonomics. Online, February 12, 2016.
77. “The Second Machine Age” (Keynote Speaker). Stanford Institute for Economic Policy Research (SIEPR). Palo Alto, CA, February 11, 2016.
78. “The Future of Growth: Technology-Driven, Human-Centred” (Speaker). World Economic Forum Annual Meeting 2016. Davos, Switzerland, January 23, 2016.
79. “The Digital Transformation of industries” (Speaker, followed by Press Conference). World Economic Forum Annual Meeting 2016. Davos, Switzerland, January 22, 2016.
80. “Productivity Growth Slowdown in the Age of the Fourth Industrial Revolution” (Speaker). World Economic Forum Annual Meeting 2016. Davos, Switzerland, January 21, 2016.
81. “A World Without Work?” (Speaker). World Economic Forum Annual Meeting 2016. Davos, Switzerland, January 20, 2016.
82. “Artificial Intelligence and the Economy” (Speaker). Conference on Artificial Intelligence. New York University, New York, NY, January 12, 2016.
83. “Impact and Benefits of Artificial Intelligence on Society: Economic and Workforce Consideration” (Panelist). Conference on Artificial Intelligence. New York University, New York, NY, January 12, 2016.
84. “Data in Action: Data-Driven Decision-Making in U.S. Manufacturing” (Presenter). American Economic Association Annual Meeting. San Francisco, CA, January 4, 2016.
85. “Algorithms Among Us: The Societal Impacts of Machine Learning” (Panelist). Neural Information Processing Systems Symposium. Montreal, QC, December 10, 2015.
86. “Prospects for Growth in the Second Machine Age” (Speaker). Philadelphia Federal Reserve Policy Forum. Philadelphia, PA, December 4, 2015.

87. “Algorithms Among Us: The Societal Impacts of Machine Learning” (Panelist). Neural Information Processing Systems Symposium. Montreal, QC, December 10, 2015.
88. “Prospects for Growth in the Second Machine Age” (Speaker). Philadelphia Federal Reserve Policy Forum. Philadelphia, PA, December 4, 2015.
89. “CEO Pay and Information Technology” (Speaker). NBER How to Firms Affect the Distribution of Income. Stanford, CA, November 14, 2015.
90. “Sparkling a New Era of Business Innovation” (Speaker). SOLVE. Cambridge, MA, October 7, 2015.
91. “The Second Machine Age” (Speaker). Accenture event. Cambridge, MA, September 29, 2015.
92. “Man, Machine, and the Future of Work” (Panelist). HBR Seminar Series. Cambridge, MA, June 10, 2015.
93. “The Second Machine Age” (Keynote). Gartner 2015 EA & PPM Summits. Grapevine, TX, June 3, 2015.
94. “Introductory Remarks” (Speaker). MIT IDE Annual Conference. Cambridge, MA, May 21, 2015.
95. “The Impact of Automation” (Speaker). MIT CIO Symposium. Cambridge, MA, May 20, 2015.
96. “Implications of the Second Machine Age” (Panelist). Khosla Ventures Summit. Cavallo Point, CA, May 18, 2015.
97. “What Census Data Can and Should Tell Us about Computer-Driven Innovation in the Workplace” (Panelist). CSAIL/Economics Lunch. Cambridge, MA, May 1, 2015.
98. “Economic Challenges of the Second Machine Age” (Speaker). MIT and the Digital Economy Conference. London, UK, April 10, 2015.
99. “Data in Action” (Speaker). NBER Economics of Digitization Meeting. Stanford, CA, March 6, 2015.
100. “Session 1” (Speaker). NBER Digitization Tutorial. Stanford, CA, March 5, 2015.
101. “Framing Remarks” (Speaker). Brookings Hamilton Project Forum on The Future of Work in the Age of the Machine. Washington, D.C., February 19, 2015.
102. “How the Digital Revolution is Reshaping Our Economy” (Keynote). The World Government Summit. Dubai, UAE, February 9, 2015.
103. “Davos Insights on Innovation and Industry” (Speaker). World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 24, 2015.
104. “Robots vs. Humans with Carnegie Mellon University” (Speaker). World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 24, 2015.
105. “Digital Disruption in the Global Economy” (Speaker). Cognizant event. World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 22, 2015.
106. “Fundamentals of the Internet Economy” (Speaker). World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 21, 2015.
107. “IBC Winter Meeting: Impact of Technology on Business, Employment, Skills and Society” (Speaker). World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 21, 2015.
108. “Inclusive Growth in the Digital Age” (Speaker). World Economic Forum Annual Meeting 2015. Davos, Switzerland, January 21, 2015.

109. “Economics and AI” (Speaker). The Future of AI: Opportunities and Challenges. San Juan, Puerto Rico, January 2, 2015.
110. “The Future of Innovation” (Panelist). Cato Institute’s The Future of U.S. Economic Growth Conference. Washington, D.C., December 4, 2014.
111. “The Second Machine Age” (Speaker). Ford Foundation Seminar Discussion on Science and Technology. New York, NY, December 2, 2014.
112. “The Second Machine Age” (Speaker). McKinsey Annual Alumni Party and Clients and Friends Event, London, England, November 12-13, 2014.
113. “Digital Technologies Driving a World of Immense Possibilities” (Keynote). Dell World, Austin, TX, November 5, 2014.
114. “Is Your Business Ready for the Second Machine Age?” (Keynote). Hybris Gameplan B2B Ecommerce Forum. Chicago, IL, November 4, 2014.
115. “The Second Machine Age” (Keynote). Standard Bank Conference. Johannesburg, South Africa [remote via webinar], October 30, 2014.
116. “The Second Machine Age: Implications for Employment and Inequality” (Speaker). MIT Seminar with Joel Moses. Cambridge, MA, October 24, 2014.
117. “CEO Pay and Information Technology” (Speaker). NBER Heterogeneity and Income Inequality Pre-Conference. Cambridge, MA, October 17, 2014.
118. “Work and the Second Machine Age” (Keynote). EPOCH Biennial Symposium. Cambridge, MA, October 7, 2014.
119. “The Second Machine Age” (Keynote). Gartner 2014 Symposium/ITxpo. Orlando, FL, October 5, 2014.
120. “The Second Machine Age” (Keynote) The Robert C. Cobb, Sr. Memorial Lecture at Harvard Institute for Learning in Retirement, Cambridge, MA, October 1, 2014.
121. “The Second Machine Age” (Keynote) EmTech, Cambridge, MA, September 24, 2014.
122. “The Second Machine Age” (Speaker) Harvard Reunion Ignite Event, Cambridge, MA, September 19, 2014.
123. “The Second Machine Age” (Keynote) Fidelity Institutional Investment Summit, Rome, Italy [remote via webinar] September 18, 2014.
124. “Chrome-Collar Jobs” (Panelist) World Economic Forum Global Agenda Council Annual Meeting of New Champions, Tianjin, China [remote via telepresence robot], September 11, 2014.
125. “The Second Machine Age” (Keynote) 2014 MIT Industrial Liaison Program’s Second Machine Age Conference, Cambridge, MA, September 10, 2014.
126. “The Second Machine Age: Work, Progress and Prosperity in a Time of Brilliant Technologies” (Keynote) Dansk IT CIO Conference, Copenhagen, Denmark [remote via webinar], September 3, 2014.
127. “Shaping the Future of Business in The Second Machine Age” (Keynote) MarTech Conference, Boston, MA, August 22, 2014.
128. “The Second Machine Age” (Keynote) CalPERS, Sacramento, August 15, 2014.
129. “What are the consequences of digital currencies, digital asset exchanges, and digital governance? For commerce? The Internet? Government Potential and Limitations” (Panelist) The Ecology of Digital Assets: Identity, Trust & Data at MIT Media Lab, Cambridge, MA, July 31, 2014.

130. "All Your Jobs Belong to Robots" (Panelist) Financial Times Camp Alphaville, London, England [remote via telepresence robot], July 2, 2014.
131. "The Second Machine Age" (Keynote) MIT Sloan Executive Education Advanced Management Program, Cambridge, MA, June 26, 2014.
132. "The Second Machine Age"(Keynote) JP Morgan, New York City, NY, June 23, 2014.
133. "The Second Machine Age" (Speaker) Cueball, Boston, MA, June 16, 2014.
134. "Rethinking Work in the Second Machine Age" (Keynote) MIT Sloan's Centennial Colloquium, Cambridge, MA, June 7, 2014.
135. "Automation's Impact on the Knowledge Worker" Wipro and Institute for Robotic Process Automation Advisor Meeting, New York, NY, June 4, 2014.
136. "Thrive in the Digital Networks of the New Economy" (Panelist) SAP Sapphire 2014, Orlando, FL, June 3, 2014.
137. "Ride the Wave of Technology in the Second Machine Age" (Keynote) SAP Sapphire 2014, Orlando, FL, June 3, 2014.
138. "Update on IDE" Center for Digital Business Annual Conference, Cambridge, MA, May 22, 2014.
139. "Academic Keynote Panel" The MIT CIO Symposium, Cambridge, MA, May 21, 2014.
140. "The Second Machine Age" The CIO Forum/Richmond Events, Ponte Vedra, FL, May 18, 2014.
141. "The Second Machine Age" The Global Retail Marketing Association Executive Forum, St. Pete Beach, FL, May 17, 2014.
142. "The Second Machine Age", Leading Edge Forum Executive Forum, Washington, D.C., May 15, 2014.
143. "The Second Machine Age" National Science Foundation Distinguished Lecture, Arlington, VA, May 12, 2014.
144. "Are you ready for the Second Machine Age?" De Tijd & L'Echo New Insights in Business & Finance, Brussels, Belgium, May 9, 2014.
145. "The Second Machine Age" CIO Strategy Exchange, New York, May 7, 2014.
146. "The Second Machine Age" MIT and the Digital Economy, New York, NY, April 4, 2014.
147. "Growth is Not Dead" Commonfund Forum 2014, Hollywood, FL, March 9, 2014.
148. "Race Against the Machine: Innovation and the Economy" Goldman Sachs Seventh Annual Global Macro Conference, New York, NY, March 6, 2014.
149. "The Second Machine Age: The Future of Work, Progress and Prosperity" One Day University Business School, New York, NY March 2, 2014.
150. "New Metrics for the Economy" (Panelist) Second Plenary Meeting of Markle Initiative for America's Economic Future in a Networked World, Crotonville, NY, March 2, 2014.
151. "Capitalizing on Technology" (Panelist) Second Plenary Meeting of Markle Initiative for America's Economic Future in a Networked World, Crotonville, NY, February 28, 2014.

152. Emerging Technology Series, “The Road Ahead for Autonomous Vehicles” (Panelist) Council on Foreign Relations, New York, NY, February 27, 2014.
153. “The Second Machine Age” Prudential CEO Roundtable, Phoenix, AZ, February 26, 2014.
154. “Crowd-Squared: Amplifying the Predictive Power of Large-Scale Crowd-Based Data” National Bureau of Economic Research Economics of Digitization Conference, Stanford, CA, February 20, 2014.
155. “Will the Workplace of Tomorrow Have any Workers? Computing, Productivity and Jobs” American Association for the Advancement of Science, Chicago, IL, February 15, 2014.
156. “The Second Machine Age” Prudential CEO Roundtable, Palm Springs, CA, February 5, 2014.
157. “Academic Network Insights: A Reflection on the Annual Meeting 2014” (Contributor); World Economic Forum Annual Meeting, Davos, Switzerland, January 25, 2014.
158. “Rethinking Technology and Employment” (Panelist) World Economic Forum Annual Meeting, Davos, Switzerland, January 25, 2014.
159. “Transforming Society: How Technology Changes Everything” (Participant) World Economic Forum Annual Meeting, Davos, Switzerland, January 24, 2014.
160. “Competitiveness Technical Meeting: Revision of the Global Competitiveness Index” (Participant) World Economic Forum Annual Meeting, Davos, Switzerland, January 24, 2014.
161. “Digital Me” (discussion leader) World Economic Forum Annual Meeting, Davos, Switzerland, January 22, 2014.
162. “A Journey of Discovery” (panelist) World Economic Forum Annual Meeting, Davos, Switzerland, January 22, 2014.
163. “World Economic Forum Experts Reception: The Reshaping of the World” (Contributor) World Economic Forum Annual Meeting, Davos, Switzerland, January 21, 2014.
164. “Young Future Energy Leaders Keynote” World Future Energy Summit 2014, Abu Dhabi, January 20, 2014.
165. “The Second Machine Age” American Economic Association Annual Meeting, Philadelphia, PA, January 4, 2014.
166. “An Academic Dashboard: Assessing and Improving Metrics for Ranking Scholars” American Economic Association Annual Meeting, Philadelphia, PA, January 4, 2014.
167. “Management in America” American Economic Association Annual Meeting, Philadelphia, PA, January 3, 2014.
168. “Innovation Futures” (Panelist) SAP CEO Summit, New York, NY, October 22, 2013.
169. “Innovation and Economic Growth” (Panelist) Griswold Center’s Fall 2013 Symposium *Prospects for Long-Term Growth in the U.S. Economy*, Princeton, NJ, October 12, 2013.
170. “Race Against the Machine” Information Services Group Americas Sourcing Industry Conference, Dallas, TX, September 9, 2013.

171. “The Best of Times for Productivity Gains – In the Past or the Future?” (Panelist) National Association for Business Economics Annual Meeting, San Francisco, CA, September 8, 2013.
172. “[Title?]” Singularity University, [Where?] June 21, 2013.
173. “How the Digital Revolution is Accelerating Everything” New York Times Global Forum, San Francisco, CA, June 20, 2013.
174. “The Future of Prediction: How Google Searches Foreshadow Housing Prices and Sales” Park City, Utah, June 6, 2013.
175. “Introducing the Initiative on the Digital Economy”, “Management in America: Evidence from a Survey of 30,000 Establishments”, “Academic Dashboard: Predicting Awards and Promotions” Center for Digital Business Annual Conference, Cambridge, MA, May 23, 2013.
176. “[Title?]” The MIT CIO Symposium, Cambridge, MA, May 22, 2013.
177. “Technology, Productivity, and Employment: What is happening to American jobs and what should we do about it?” (Panelist) President’s Council of Advisors on Science and Technology, Washington, D.C., May 3, 2013.
178. “Management in America” Organizational Economics Lunch, Cambridge, MA, May 2, 2013.
179. Kleiner Perkins CIO Strategy Exchange, San Francisco, April 24, 2013.
180. Ambrosetti Event, Milan, Italy, April 18, 2013.
181. “Big Data: the Management Revolution” Teradata Conference, Copenhagen, Denmark, April 16, 2013.
182. “Roundtable on Employment and Technology” (Panelist) Cornell University School of Industrial and Labor Relations, New York, New York, April 12, 2013.
183. “Management in America” National Bureau of Economic Research Lunch, Cambridge, MA, April 9, 2013.
184. “The key to growth? Race with the machines” TED2013, Long Beach, CA, March 26, 2013.
185. “Academic Network Insights: A Reflection on the Annual Meeting 2013” (Contributor); World Economic Forum Annual Meeting, Davos, Switzerland, January 26, 2013.
186. “The Attention Economy: Measuring the Value of Free Goods on the Internet” American Economic Association Annual Meeting, San Diego, CA, January 5, 2013.
187. “Management in America” American Economic Association Annual Meeting, San Diego, CA, January 4, 2013.
188. “How Does Data-Driven Decision Making Affect Firm Performance?” Marketing Science Institute Big Data Conference, Cambridge, MA, December 4, 2012.
189. “Race Against the Machine” MIT Center for Energy and Environmental Policy Research, Cambridge, MA, November 15, 2012.
190. “Competitiveness Panel” (Panelist) Harvard Business School Strategy Conference, Cambridge, MA, November 2, 2012.
191. “Race Against the Machine” Center for Information Systems Research CIO Summit, Cambridge, MA, September 11, 2012.
192. Keynote Address, Technology Policy Institute, Aspen, CO, August 20, 2012.

193. “The Attention Economy: Measuring the Value of Free Goods on the Internet” National Bureau of Economic Research Summer Institute Economics of IT and Digitization Workshop, Cambridge, MA, July 19, 2012.
194. “ICTs and intangibles: unleashing the economics of “big data” OECD International Research Network on the Economic Impact of Information and Communication Technologies Conference, Videocast, Paris, France, June 25, 2012.
195. “The Future of Work” (Panelist) National Academy of Engineering Making Value Workshop, Washington, D.C., June 11, 2012.
196. “Measuring the Consumer Value of Free Goods on the Internet” 2012 Informs Marketing Science Conference, Boston, MA, June 7, 2012.
197. Gartner Event Chicago, IL, June 6, 2012.
198. “Race Against the Machine” International Post Corporation Meeting, Cambridge, MA, May 24, 2012.
199. Center for Digital Business Annual Conference, Cambridge, MA, May 23, 2012.
200. “Academic Panel” “Enterprise Panel” (Chair) The MIT CIO Symposium, Cambridge, MA, May 22, 2012.
201. “Race Against the Machine” MIT Information Technology Conference, Cambridge, MA, April 25, 2012.
202. “Strength in Numbers: How to Data-Driven Decision-Making Practices affect Performance?” Teradata Universe Conference 2012, Dublin, Ireland, April 23, 2012.
203. “Race Against the Machine” Technology, Society, and Public Policy Lecture, Rice University, Houston, TX, April 12, 2012.
204. “Digitization, Productivity, and Jobs” United Nations Economic and Social Council Annual Ministerial Review Global Preparatory Meeting, New York, NY, April 2, 2012.
205. **[“Title?”]** Boston CIO Forum & Executive IT Summit 2012, Boston, MA, April 29, 2012.
206. “CEO Pay and Information Technology” National Bureau of Economic Research Productivity, Innovation, and Entrepreneurship Meeting, Cambridge, MA, March 16, 2012.
207. “The Attention Economy: Measuring the Value of Free Goods on the Internet” National Bureau of Economic Research Economics of Digitization Conference, Stanford, CA, February 24, 2012.
208. ITRD Event, Washington, D.C., February 16, 2012.
209. “Battle of the Retail Channels: How Product Selection and Geography Drive Cross-Channel Competition” Multi-Channel Shopping: Online-Offline Interaction and Social Media Conference at Wharton, Philadelphia, PA, February 14, 2012.
210. “Bob Gordon” Dinner in Honor of Robert Gordon, Economists for Peace and Security, American Economic Association Meetings, Chicago, IL, January 7, 2012
211. “Race Against the Machine”, Five Fields Forum, Lexington, MA, December 18, 2011.
212. “Impact of IS Economics Research on Teaching” Workshop on Information Systems and Economics, Shanghai, China, December 9, 2011.
213. “Measuring the Value of Free Goods on the Internet” Workshop on Information Systems and Economics, Shanghai, China, December 8, 2011.

214. “Ecommerce and Global Media in China”, Workshop on Information Systems and Economics, Shanghai, China, December 7, 2011.
215. “Keynote: Race Against the Machine” Chinese National Association for Information Systems 2011 National Congress, Tongji University, Shanghai, China, December 3, 2011.
216. “Debate: Race Against the Machine”, Silicon Valley Comes to Oxford Annual Debate, Oxford Union, Oxford University, Oxford, UK, November 20, 2011.
217. “Debate with Tyler Cowen on Productivity Growth”, and “Race Against the Machine”, Techonomy. Tucson, AZ, November 14-15, 2011.
218. “Race Against the Machine”, Discussion on Fox Business TV, New York, NY, November 7, 2011.
219. “Race Against the Machine”, Discussion on MSNBC’s Morning Joe Program, New York, NY, November 7, 2011.
220. Comments on “*Functional Centralization and the Division of Labor*” and on “*The Organization of Firms Across Countries*”, Harvard Business School-MIT, Strategy Research Conference, Boston, MA, November 4, 2011.
221. “Measuring the Price and Quantity of IT-Related Intangible Capital” MIT Organizational Economics Lunch, Cambridge, MA, November 3, 2011.
222. “Race Against the Machine” MIT CDB Workshop on Technology and Employment, MIT Media Lab, Cambridge, MA, October 31, 2011.
223. “ICT, Innovation and the E-Economy”, European Investment Bank Conference, Luxembourg, October 27, 2011.
224. “Race Against the Machine”, Compass Summit, Palos Verdes, CA, October 24, 2011.
225. “Strength in Numbers: Data Driven Decisionmaking”, McKinsey Conference, Miami, FL, October 18, 2011.
226. “Nanodata” Center for Digital Business/Merck Meeting, MIT, Cambridge, MA, October 11, 2011.
227. “Digital Innovation” Washington Ideas Forum, Newseum, Washington, DC, October 5, 2011.
228. “Connection Science: An Agenda” MIT Connection Science Workshop, CSAIL, Cambridge, MA, September 23, 2011.
229. “Digital Innovation”, Dell Annual Conference, Austin, TX, September 1, 2011.
230. “IT and Organizational Capital” and “The Matrix of Change”, Delivering Information Systems, Harvard Business School, Boston, MA, July 26, 2011.
231. “Digitization and Nanodata: A Research Agenda” Micro@Sloan Workshop, MIT, Cambridge, MA, August 10, 2011.
232. “Challenges and Opportunities in the Digital Economy” Science, Innovation and Entrepreneurship Policy Workshop, MIT, Cambridge, MA July 24, 2011.
233. “Director’s Welcome” NBER Economics of IT and Digitization Workshop, Sonesta Hotel, Cambridge, MA, July 22, 2011.
234. “Nanodata and Nowcasting: Some Implications for the Census Bureau” U.S. Bureau of the Census, Washington, DC, July 12, 2011.
235. “Nanodata and Nowcasting: Some Implications for Science, Technology and Innovation Indicators” National Academy of Sciences, Washington, DC, July 11, 2011.

236. “Directors Welcome”, “Digital Productivity Research”, “Data Driven Decision-making”, Center for Digital Business Annual Conference and Board Meeting, MIT, Cambridge, MA, April 19, 2011.
237. “Academic Panel: Research and Information Systems” MIT CIO Symposium, Cambridge, MA, May 18, 2012
238. “Nanodata and Nowcasting: Some Implications for Data Collection” National Academy of Sciences, Washington, DC, May 6, 2011.
239. “The Extroverted Firm” Center for Digital Business Seminar, Cambridge, MA, April 27, 2011.
240. “The Extroverted Firm” Kellogg School, Northwestern, Chicago, IL, April 20, 2011.
241. “Wired for Innovation” SAS Global Forum, Las Vegas, NV, April 6, 2011.
242. “Data Driven Decision-making” MIT Executive Education for Nokia, Cambridge, MA April 5, 2011.
243. “Data-Driven Decision-making” New York University Information Systems Seminar, New York, NY, March 29, 2011.
244. “Research Opportunities in Information Systems and Economics” New York University Research Workshop, New York, NY, March 28, 2011.
245. “Wired for Innovation” Center for Digital Business Workshop, MIT, Cambridge, MA, March 23, 2011.
246. “Data Driven Decision-making” MIT Executive Education for Li & Fung, Cambridge, MA March 16, 2011.
247. “Digital Innovation: Implications for Retailing” Walmart Annual Conference, Orlando, Florida, March 9, 2012.
248. “Data Driven Decision-making” MIT Executive Education for Li & Fung, Cambridge, MA March 4, 2011.
249. “Digital Advantage” SAP Research Workshop, Palo Alto, California, February 28, 2011.
250. “Digital Innovation” FutureWorld Conference/Deloitte Netherlands, Rotterdam, Netherlands, February 23, 2011.
251. “The Future of Prediction” Center for Digital Business/Citigroup Workshop, MIT, Cambridge, MA, February 17, 2011.
252. “Digital Innovation” SAP GEA Advisory Board Workshop, New York, NY, February 16, 2011.
253. “IT Productivity and Innovation”, Canadian Conference Board, Cambridge, MA, February 9, 2011.
254. “The Extroverted Firm” Harvard Business School, Boston, MA, February 3, 2011.
255. “Keynote: Digitization and Innovation: Lessons for CIOs” CRITO CIO Conference, University of California, Irvine, California, January 25, 2011.
256. “Keynote: Future Research in Information Systems and Computer Science” Merage & Cal-IT Joint Research Workshop, University of California, Irvine, California, January 24, 2011.
257. “Digitization and Innovation” Inaugural Speaker at M2E Series, Annenberg School, University of Southern California, Los Angeles, California, January 20, 2011.

258. "Data Driven Decision-making, Productivity and CEO Pay", Workshop on Information Systems and Economics, St. Louis, Missouri, December 11, 2010.
259. "Analytics and the Future of Management" IBM Livestream, Lexington, MA, November 11, 2010.
260. "Director's Welcome", "The Digital Organization", "The Matrix of Change", "Information Analytics", "Wrap-up" GE Executive Information Management Program, MIT, Cambridge, MA, Sept 20-24, 2010.
261. "Information Technology and Productivity", Technology Conference, Reno, Nevada, August 5, 2010.
262. "Welcome and Overview" NBER IT and Economics workshop, Cambridge, MA, July 23, 2010.
263. "Keynote: Wired for Innovation" IBM System Z Announcement, New York, NY, July 22, 2010
264. "IT Advantage", McKinsey Offices, Palo Alto, California, July 16, 2010.
265. "Keynote: Wired for Innovation: How IT is Reshaping the Economy" EU Ministerial Meeting on Information Society Policies and Metrics, Madrid, Spain, June 14, 2010.
266. "The IT Organization of the Future" Academic Keynote Panel, MIT CIO Symposium, Cambridge, MA, May 19, 2010.
267. "Director's Update and Outlook", Center for Digital Business Board Meeting, MIT, Cambridge, MA, May 18, 2010
268. "Data Driven Decision-making", Center for Digital Business Annual Conference, MIT, Cambridge, MA, May 18, 2010
269. "Director's Welcome and Overview", Center for Digital Business Annual Conference, MIT, Cambridge, MA, May 20, 2010
270. "Wired for Innovation", Productivity Conference, University of Washington, Seattle, Washington, April 9, 2010.
271. "Wired for Innovation" Symposium on Transportation and Logistics, MIT, Cambridge, MA, March 11, 2010.
272. "Keynote: Wired For Innovation: How Is IT Reshaping Competition And What Can We Learn From High Performance Innovators?", Legal IT Conference, London, UK, February 11, 2010.
273. "CEO Compensation and Information Technology" International Conference on Information Systems, Phoenix, Arizona, December 13, 2009
274. "The Future of Prediction: How Google Searches Foreshadow Housing Prices and Quantities", International Conference on Information Systems, Phoenix, Arizona, December 13, 2009
275. "Testing Three-Way Complementarities: Incentives, Monitoring and Information Technology" International Conference on Information Systems, Phoenix, Arizona, December 13, 2009
276. "Panel: NeuroIS: Hype or Hope?" International Conference on Information Systems, Phoenix, Arizona, December 13, 2009
277. "Panel: WISE Celebration: Are We WISE About Sub-Fields in IS? Lessons from Forming and Sustaining a Research Community", International Conference on Information Systems, Phoenix, Arizona, December 13, 2009

278. "The Longer Tail" Workshop on Information Systems and Economics, Phoenix, Arizona, December 13, 2009
279. "Discussion of 'The Quest for Content' Workshop on Information Systems and Economics, Phoenix, Arizona, December 13, 2009
280. "The Future of Prediction: How Google Searches Foreshadow Housing Prices and Quantities" Workshop on Information Systems and Economics, Phoenix, Arizona, December 12, 2009
281. "Information Technology and Innovation" Seminar, Harvard Business School, Boston, MA, December 9, 2009.
282. "The Future of Prediction: How Google Searches Foreshadow Housing Prices and Quantities" NBER Productivity Workshop, Cambridge, MA, December 4, 2009.
283. "Director's Welcome", "The Digital Organization", "The Matrix of Change", "Information Analytics", "Wrap-up" GE Executive Information Management Program, MIT, Cambridge, MA, November 16-20, 2009.
284. "Wired for Innovation", MIT Communication Future Program, Computer Science and Artificial Intelligence Lab, Cambridge, MA, October 28, 2009.
285. "Wired for Innovation", Federal Communications Commission, Washington, DC, October 20, 2009.
286. "IT and Innovation", Presentation for Board of Governors, Federal Reserve Board, Washington, DC, October 16, 2009.
287. "Wired for Innovation" Center for Digital Business Seminar, MIT, Cambridge, MA, October 7, 2009.
288. "Leaders and Laggards: Experiment and Scale" MIT CIO Forum, Cambridge, MA, Sept 21, 2009.
289. "When Software Is Not Enough: Synergies between HR practices and HCM Software" SAP Academic Conference, Palo Alto, CA, August 21, 2009.
290. "Testing Three-way Complementarities: Incentives, Monitoring and Information Technology" NBER Personnel Economics Workshop, Cambridge, MA, July 22, 2009
291. "Organizers Welcome" NBER IT and Economics Workshop, Cambridge, MA, July 17, 2009.
292. "Some thoughts on the Impact of ICT on Innovation" European Union Commission on Economic Impact of IT Workshop, Brussel, Belgium, June 29, 2009.
293. "The Matrix of Change" IMP Executive Program, MIT Cambridge, MA, June 22, 2009.
294. "How IT is Propagating Innovations and Accelerating Competition" Keynote, ASIGO Conference, Nuremburg, Germany, May 29, 2009.
295. "CIO Leadership and the Bottom Line", Moderator, CIO Panel, MIT CIO Symposium, Cambridge, MA, May 20, 2009.
296. "The Future of IT" Academic Keynote Panel, MIT CIO Symposium, Cambridge, MA, May 20, 2009.
297. "Director's Update and Outlook", Center for Digital Business Board Meeting, MIT, Cambridge, MA, May 19, 2009
298. "Leaders and Laggards", Center for Digital Business Annual Conference, MIT, Cambridge, MA, May 19, 2009

299. "Director's Welcome and Overview", Center for Digital Business Annual Conference, MIT, Cambridge, MA, May 19, 2009
300. "Experimentation, Measurement and Propagation: Chairman's welcome and overview", Workshop on Experimentation, MIT, Cambridge, MA, May 18, 2009.
301. "The Art and Science of Driving Business Results with IT", Sapphire, Orlando, Florida, April 13, 2009.
302. "Experiment, Measure, Share and Scale: Using IT to Drive Innovation" Novartis Annual Conference, Chatham, MA, April 29, 2009.
303. "The Future of Business: How IT is Transforming Business and What to Do about It" Keynote, Microsoft Annual User Conference, Lisbon, Portugal, March 5, 2009.
304. "How IT Accelerates Competition" Boston Chamber of Commerce, Boston, MA, February 25, 2009.
305. "How IT Accelerates Competition", Keynote, Cognizant Annual Conference, Boca Raton, Florida, February 9, 2009.
306. "Enterprise 2.0", Cisco Executive Briefing, Cambridge and San Jose (via Telepresence), February 6, 2009.
307. "IT and Organizational Productivity" Keynote, World Bank Annual Conference, Washington, DC, January 28, 2009.
308. "IT in Healthcare: Five Lessons from Other Industries" NBER Workshop on Healthcare, Cambridge, MA, January 16, 2009.
309. "IT and Firm Performance" Session Chair, International Conference on Information Systems, Paris, France, December 2008.
310. "Trust, Costs and Incentives in Global Supplier Networks: Evidence From IT Sourcing Decisions." Workshop on Information Systems Economics, Paris, France, December, 2008.
311. "Comments on 'Organic and Paid Search Advertising'", Workshop on Information Systems and Economics, Paris, France, December, 2008.
312. "The Digital Organization", "The Matrix of Change" and "Information Analytics" GE Executive Information Management Program, MIT, Cambridge, MA December, 2008.
313. "Managing in an Information Rich Environment", Keynote, Gartner Enterprise Networking Summit, November 18, 2008.
314. "Research on Digital Business" NTT Data, MIT, Cambridge, MA, October, 2008.
315. "Does Advertising Cause Future Sales?" Digital Advertising Workshop, MIT, Cambridge, MA, October, 2008.
316. "Research on Enterprise 2.0 and the Impact of IT", Cisco C-Level Executive Briefing, San Jose, CA (via Telepresence), October, 2008.
317. "Executive Education Faculty Development Workshop", MIT, Cambridge, MA, October, 2008
318. "How IT Accelerates Competition", SAP Research Workshop, Palo Alto, August, 2008.
319. "The Long Tail" Google China Headquarters, Beijing, China, June, 2008.
320. "Information Worker Productivity" Tsinghua University, Beijing, China, June, 2008.
321. "The Digital Organization" Tsinghua University, Beijing, China, June, 2008.

322. "The Long Tail" Tsinghua University, Beijing, China, June, 2008.
323. "Information Worker Productivity" Lingnan University, Guanzhou, China, June, 2008.
324. "The Digital Organization" Lingnan University, Guanzhou, China, June, 2008.
325. "The Long Tail" Lingnan University, Guanzhou, China, June, 2008.
326. "MIT Sloan MBA Overview" CSK Management Workshop, Tokyo, Japan, June 2008.
327. "Productivity and Performance Effects of Enterprise Systems" SAP, May 2008.
328. "Center for Digital Business Research Overview", MIT Sloan School, Cambridge, MA, May 2008.
329. "Digital Productivity Research", Center for Digital Business Annual Conference, MIT Sloan School, Cambridge, MA, May 2008.
330. "What Does IT Do?", Center for Digital Business Annual Conference, MIT Sloan School, Cambridge, MA, May 2008.
331. "Scale without Mass" The 2008 World Congress on National Accounts and Economic Performance Measures for Nations, Washington, DC, May 2008.
332. "Information Worker Productivity" ILP Research Directors Conference, MIT, Cambridge, MA, April 2008.
333. "Valuing Information" Oracle Management Briefing, April, 2008
334. "Current Research in Digital Business" Google Economics Workshop, Palo Alto, CA, April 10, 2008.
335. "Innovate then Propagate" SAP CEO Summit, Frankfurt, Germany, April, 2008.
336. "Scale without Mass" CART Seminar, Carnegie Mellon University, March, 2008.
337. "The Matrix of Change" News Corp Executive Program, March, 2008
338. "The Matrix of Change" BT Vital Vision Executive Program, March, 2008
339. "Scale without Mass", Dean's Visiting Committee, MIT Sloan School, Cambridge, MA March 15, 2008.
340. "The Global Economic Impact of Improvements in Information Worker Productivity", C-Scape Global Forum, Cisco Systems, Boston, as well as New York, San Jose, London and Cincinnati (via Telepresence), December 12, 2007.
341. "The Future of Information Systems and Economics" Plenary Panel, Workshop on Information Systems and Economics, Montreal, Canada, December 9, 2007.
342. "The Matrix of Change" GE Executive Information Management Program, MIT Sloan School, Cambridge, MA, November 16, 2007.
343. "Information, Productivity and the Digital Organization", GE Executive Information Management Program, MIT Sloan School, Cambridge, MA, November 12, 2007.
344. "Scale without Mass: Business Process Replication and Industry Dynamics", Conference on Recent Trends In Economic Volatility: Sources And Implications Center for the Study of Innovation and Productivity (CSIP), Federal Reserve Bank, San Francisco, CA, November 2, 2007.
345. "The Digital Organization: What Every CFO Needs to Know About Creating Value from IT" Keynote, CFO Summit, Chicago, IL, October 30, 2007.
346. "The Matrix of Change" BT Partner Vision Executive Program, Boston, MA, October 17, 2008.

347. "Innovation, Productivity and the Digital Organization", BT Partner Vision Executive Program, Boston, MA, October 17, 2007.
348. "Information Worker Productivity in the Digital Organization", MIT CIO Summit, MIT, Cambridge, MA, 2007.
349. "Which Came First, IT or Productivity? The Virtuous Cycle of ERP Investment" NBER Productivity Summer Institute, Cambridge, MA, July 18, 2007.
350. "Information Worker Productivity" and "Goodbye Pareto Principle, Hello Long Tail: The Effect of Search Costs on The Concentration of Product Sales" Royal Complutense, Harvard University, Cambridge, MA, July 10, 2007.
351. "Information Worker Productivity: Networks and Information Diffusion". Hitachi-MIT Open Forum on Sensible Organization, Tokyo, Japan June 29, 2007.
352. "Information Worker Productivity: Networks and Information Diffusion". CSK Institute for Sustainability, Tokyo, Japan June 28, 2007.
353. "Information Worker Productivity in the Digital Organization", Cisco Executive Briefing, San Jose, CA, June 22, 2007.
354. "A Discussion of Information Worker Productivity with Erik Brynjolfsson", Cisco Senior Executive Videocast, San Jose, CA, June 22, 2007.
355. "Information Worker Productivity Lessons for Small and Medium Enterprises", Cisco SME Videocast, San Jose, CA, June 22, 2007.
356. "Some Comments on Dale Jorgenson et al.'s 'U.S. Labor Supply and Demand in the Long Run'" Federal Reserve Bank of Boston Conference on Labor Supply in the New Century, Wequassett, MA, June 19, 2007.
357. "Innovation, Productivity and the Digital Organization" and "The Matrix of Change" MIT Nanyang Fellows Executive Program, MIT, Cambridge, MA, June 15, 2008.
358. "Impact of Electronic Document Management Technology on Time Distribution and Performance: Evidence From a Longitudinal Field-Experiment", Liberty Mutual Insurance, Boston, MA, June 7, 2007.
359. "Digital Productivity", MIT Center for Digital Business/GlaxoSmithKline, Cambridge, MA, May 29, 2007.
360. "Innovation, Productivity and the Digital Organization" and "The Matrix of Change" MIT Leading Innovative Enterprises Executive Program, MIT, Dedham, MA, May 25, 2008.
361. "Social Networks and Productivity", MIT CIO Symposium, MIT, Cambridge, MA, May 17, 2007.
362. "Director's Welcome", "Overview of Digital Productivity SIG", "Information Worker Productivity in the Digital Organization" Center for Digital Business Annual Conference, MIT Cambridge, MA May 16, 2007.
363. "Innovation, Productivity and the Digital Organization" and "The Matrix of Change" MIT NewsCorp Executive Program, Cambridge, MA, May 2, 2008.
364. "The Matrix of Change" BT Vital Vision Executive Program, Boston, MA, April 30, 2008.
365. "Innovation, Productivity and the Digital Organization", BT Vital Vision Executive Program, Boston, MA, April 30, 2008.
366. "Information Worker Productivity in the Digital Organization" Scientific, Technical and Medical Publishers Annual Conference, Cambridge, MA, April 25, 2008.

367. "Information, Technology and Organizational Capital" NYU IT Seminar, New York University, New York, NY, April 19, 2007.
368. "Policy Dimensions of the IT R&D Ecosystem", Assessing the Impact of Changes in the Information Technology Research and Development Ecosystem, Panel Presentation for the National Academy of Engineering, Boston, MA April 19, 2007
369. "Goodbye Pareto Principle, Hello Long Tail: The Effect of Search Costs on The Concentration of Product Sales" NYU IT Seminar, New York University, New York, NY, April 16, 2007.
370. "The Long Tail in the Digital Economy". Keynote, NVN Symposium, Amsterdam, The Netherlands, March 23, 2007.
371. "The Matrix of Change" MIT/UAE Executive Program, Abu Dhabi, United Arab Emirates, March 19, 2008.
372. "Innovation, Productivity and the Digital Organization", MIT/UAE Executive Program, Abu Dhabi, United Arab Emirates, March 18, 2008.
373. "Goodbye Pareto Principle, Hello Long Tail: The Effect of Search Costs on The Concentration of Product Sales" Wharton OPIM Seminar, Wharton School, University of Pennsylvania, Philadelphia, PA, March 12, 2007.
374. "Information Technology and Information Worker Productivity", NBER Program on Technological Progress and Productivity Measurement, National Bureau of Economic Research, Cambridge, MA, March 9, 2007.
375. "Information Technology, Productivity and Innovation: Where Are We and Where Do We Go From Here?", Center for Digital Business Information Worker Productivity Workshop, Salt Lake City, UT, February 21, 2007.
376. "Information, Technology and Information Worker Productivity" Center for Digital Business Information Worker Productivity Workshop, Salt Lake City, UT, February 21, 2007.
377. "Goodbye Pareto Principle, Hello Long Tail: The Effect of Search Costs on The Concentration of Product Sales" American Economic Association, Chicago, IL, January 7, 2007.
378. "A Productive Decade: A Retrospective on the U.S. Productivity Resurgence" (Discussant), American Economic Association, Chicago, IL, January 6, 2007.
379. "Chairman's Welcome and Overview" Workshop on Information Systems and Economics (WISE), Northwestern University, Evanston, IL, Dec. 9, 2006.
380. "Complementarities in Organizations" (with Paul Milgrom), NBER Workshop on the Economics of Organizations, NBER, Cambridge, MA, Nov. 2, 2006.
381. "IT and Productivity" and "The Matrix of Change" Chairman and Speaker, GE Executive Information Management Program, MIT, Cambridge, MA Dec. 13-17, 2005.
382. "IT and Productivity" and "The Matrix of Change", BT Vital Vision, Harvard Faculty Club, Boston, Nov 8, 2006.
383. "Information Worker Productivity" Thinks That Think Conference, MIT Media Lab, Cambridge, MA, October 10, 2006.
384. "Information Technology and Organizational Capital" U.S. Census CAED Conference, Federal Reserve Bank, Chicago, IL, Sept 19, 2006.
385. "IT and Productivity" Keynote, Gartner Data Center Conference, Orlando, FL, Sept 18, 2006.

386. "Information Technology and Organizational Capital" 2006 Census Research Data Center Annual Conference, Baruch College, New York, Sept. 14, 2006.
387. "Technology and Productivity" MIT MBA Pre-term session, Cambridge, MA, August 23, 2006.
388. "Comments on 'Technology, Information and the Decentralization of the Firm'", Innovation Policy and the Economy, NBER Summer Institute, Cambridge, MA, July 24, 2006.
389. "Comments on 'Firm Resources, Location and Investment in Process Innovation'", Productivity Workshop, NBER Summer Institute, Cambridge, MA, July 21, 2006.
390. "Productivity and Innovation in Health Care: the Digital Organization", Keynote, Health Information Technology Symposium, MIT, Cambridge, MA, July 19, 2006.
391. "Scale without Mass" and "Does Current Advertising Cause Future Sales" Seminar for Spanish Scholars, Royal Complutense, Cambridge, MA, July 11, 2006.
392. "Scale without Mass" Opening Session, MIT CIO Summit, Cambridge, MA, June 22, 2006.
393. "Measuring IT Value", MIT CIO Symposium, Cambridge, MA, June 21, 2006.
394. "Director's Welcome", "Overview of Digital Productivity SIG", "Scale without Mass" Center for Digital Business Annual Conference, MIT Cambridge, MA, June 20.
395. MIT Center for Digital Business Annual Conference, Cambridge, MA, June 20, 2006.
396. "The Matrix of Change" Nanyang Executive Program, MIT, Cambridge, MA, June 15, 2006.
397. "Some Economics of Innovation and Collaboration" IBM Innovation Forum, Tokyo, Japan, June 8, 2006.
398. "IT and Organizational Productivity", News Corporation Seminar, Hotel@MIT, Cambridge, MA May 2, 2006.
399. "IT and Productivity" and "The Matrix of Change", BT Vital Vision, Harvard Faculty Club, Boston, April 28, 2006.
400. "A Mechanism for Providing Innovation Incentives for Digital Goods", NBER Conference on Innovation Policy and the Economy, Washington, DC, April 19, 2006.
401. "Does Current Advertising Cause Future Sales? Evidence from the Direct Mail Industry" Industrial Organization Workshop, MIT Department of Economics, February 27, 2006.
402. "Does Current Advertising Cause Future Sales? Evidence from the Direct Mail Industry" NBER Winter Industrial Organization Meetings, Stanford, CA, February 25, 2006.
403. "Does Current Advertising Cause Future Sales? Evidence from the Direct Mail Industry" NBER Productivity Program, February 21, 2006.
404. "IT and Organizational Productivity" News Corporation Executive Program, MIT, Cambridge, MA Feb 15, 2006.
405. "Does Process Enabling IT Matter? Measuring the Business Value of Extended Enterprise Systems" Workshop on Information Systems and Economics (WISE), UCI, Irvine, CA, Dec. 10, 2005.

406. "Goodbye Pareto Principle, Hello Long Tail: Modeling and Measuring the Effect of Search Cost on Product Sales Distribution " Workshop on Information Systems and Economics (WISE), UCI, Irvine, CA, Dec. 10, 2005.
407. "IT and Productivity" and "The Matrix of Change" Chairman and Speaker, GE Executive Information Management Program, MIT, Cambridge, MA Dec. 9, 2005.
408. "Keynote Session: The Digital Organization - Unlocking the Business Value of IT" Gartner 24th Annual Data Center Conference, Las Vegas, NV Dec. 5, 2005.
409. "The Digital Organization" Microsoft Canadian IT Executive Summit, Redmond, WA, Nov 17, 2005.
410. "The Digital Organization" Microsoft Asian Executive Summit, Bangkok, Thailand, Nov. 15, 2005.
411. "IT and Productivity" and "The Great Debate: Nicholas Carr and Erik Brynjolfsson", AMR CIO Conference, Boston, MA Nov. 8, 2005.
412. "Thought Leader Panel: Context for Growth in the Next Five Years" Cisco CIO Summit, Amelia Island, Florida, Oct 26, 2005.
413. "The Digital Organization" AT&T Workshop, Tampa, FL, Oct 17, 2005.
414. "The Digital Organization" AT&T Workshop, Kohler, WI, Oct 12, 2005.
415. "Collaboration for Innovation", IBM CTO Conference, New York, NY, Oct 10, 2005.
416. "The Digital Organization" FT/Equant Workshop, MIT, Cambridge, MA, Sept 29, 2005.
417. "Keynote Session: New Growth Opportunities in Computing and Communications" Technology Review Emerging Technologies Conference, MIT, Cambridge, MA Sept 29, 2005.
418. "The Digital Organization" AT&T Workshop, Lansdowne, VA, September 26, 2005.
419. "The Digital Organization and the Matryoshka CIO" CIO Connect Bagshot, Surrey, England, September 13, 2005.
420. "IT, Productivity and the Management" Delivering Information Services Executive Session, Harvard Business School, July 26, 2005
421. "Comments on 'It Ain't What You do it's the way that you do I.T. - Testing Explanations of Productivity Growth Using US Affiliates' Presentation at NBER Productivity Summer Institute, Cambridge, MA July 21, 2005.
422. "Information Worker Productivity" and "The Long Tail" Seminar for Spanish Scholars, Royal Complutense, Cambridge, MA, July 13, 2005.
423. "Information Worker Productivity" CSK Invited Talk, Tokyo, Japan, July 5, 2005.
424. "The Digital Organization: Practices of Highly Effective Companies" Keynote, Microsoft Business and Technology Conference, Singapore, July 1, 2005.
425. "Information Worker Productivity", IT and Competitive Advantage Conference, Montreal, Canada, June 28, 2005.
426. "The Digital Organization" Keynote, and "The Matrix of Change", workshop, Optimize CIO Summit, Naples, Florida, June 13-14, 2005.
427. "Channel Conflict" Keynote Address, Symposium on Electronic Commerce Research, University of Maryland, College Park, MD, May 22, 2005.

428. "Information Worker Productivity" Opening Session, MIT CIO Summit, Cambridge, MA, May 19, 2005.
429. "The Digital Organization" Keynote Address, ASG Conference, Naples, Florida, May 16, 2005.
430. "The Matrix of Change", Vital Vision Leadership Conference, Cambridge, MA, April 26, 2005.
431. "The Digital Organization" Keynote Address, Microsoft Business and Technology Conference, Scotts Valley, Arizona, February 24-25, 2005.
432. "Productivity Growth and the Federal Reserve Board's Interest Rate Hike", Remarks for Bloomberg World Financial Report, New York (via videoconference), February 2, 2005.
433. "Some Thoughts on Productivity Growth Trends and Predictions" Invited Talk, Academic Advisory Council, Federal Reserve Bank of Boston, January, 2005.
434. "Should the Core IS Course be Structured Around a Fundamental Question?" Panel Presentation, International Conference on Information Systems, Washington, D.C. December 15, 2004.
435. "A Mechanism for Providing Innovation Incentives for Digital Goods" Paper Presentation, International Conference on Information Systems, Washington, D.C. December 14, 2004.
436. "Business Transformation: Lessons from the Matrix of Change" and "Director's Course Wrap-up" General Electric Executive Information Management Program, MIT, Cambridge, MA December 10, 2004.
437. "Senior Executive Panel" General Electric Executive Information Management Program, MIT, Cambridge, MA December 9, 2004.
438. "Director's Welcome and Introduction" and "IT and Productivity" General Electric Executive Information Management Program, MIT, Cambridge, MA December 6, 2004
439. "The Digital Organization: How IT Drives Productivity" Keynote, CEFRIO Annual Conference, Montreal, Canada, December 3, 2004.
440. "The Digital Organization: How ICT Drives Productivity" Keynote, EuroCIO Annual Conference, Brussels, Belgium, November 24, 2004.
441. "The Digital Organization: How IT Drives Productivity" Keynote, Institutional Investor Financial Technology Forum, Boston, MA November 18, 2004.
442. "Using the Matrix of Change" and "Benchmarking the Digital Organization" Center for eBusiness Research Workshop on Tools and Frameworks for eBusiness, MIT, Cambridge, MA November 17, 2004.
443. "Information Worker Productivity: Task-level Evidence" Technology and Operations Management Research Seminar, Harvard Business School, Boston, MA November 10, 2004.
444. "Information Technology without Information Overload" CSK Executive CIO Event, Tokyo, Japan November, 2, 2004.
445. "The Digital Organization: How IT Drives Productivity" Keynote, Nikkei Technology Conference, Tokyo, Japan November 1, 2004.
446. "Information Worker Productivity: Task-level Evidence" Organizational Economic Seminar, MIT, Cambridge, MA October 28, 2004.

447. "Information Worker Productivity: Task-level Evidence", Productivity Seminar, National Bureau of Economic Research, Cambridge, MA October 26, 2004.
448. "Business Transformation: Lessons from the Matrix of Change" FutureFusion UK National Health Service Seminar, MIT Cambridge, MA October 21, 2004.
449. "The Digital Organization: What Every CFO Needs to Know about IT Value" Keynote, CFO IT Value Conference, San Francisco, CA September 29, 2004.
450. "The Digital Organization: How ICT Drives Productivity" Keynote, XXVIII Italian National Conference of Industrial Economics and Policy, Ancona, Italy, September 25, 2004.
451. "The Digital Organization" Mitsui Executive Meeting, Industrial Liaison Program, MIT, Cambridge, MA, September 15, 2004.
452. "The Digital Organization" Where IT's @: IT and the Economy, Federal Reserve Bank of Dallas, Dallas, TX, September 10, 2004.
453. "Power and Influence in Business Technology" Optimize Magazine Roundtable, New York (via teleconference) September 8, 2004
454. "Mandatory Unbundling and Economic Welfare" Symposium on Cable TV Bundling, Federal Communications Commission Hearings, Washington, DC, July 29, 2004.
455. "Comment on 'The (Teaching) Role of Universities in the Diffusion of the Internet' by Avi Goldfarb," Innovation Workshop, National Bureau of Economic Research, Summer Institute, Cambridge, MA July 19, 2004.
456. "Information Technology and Intangible Assets" and "Business Transformation: Lessons from the Matrix of Change" Seminar for Spanish Scholars, Royal Complutense College, Harvard University, Cambridge, MA July 16, 2004.
457. "The Digital Organization" eGov Conference, Dublin, Ireland (via videoconference), June 17, 2004.
458. "Digital Organizations: What do Productive IT Users do Differently", Ford-MIT Alliance, MIT, Cambridge, MA June 8, 2004.
459. "Business Transformation: Lessons from the Matrix of Change" Seminars for Nanyang Tech University Fellows, MIT, Cambridge, MA, May 28, 2004.
460. "Achieving Agility Without Information Overload" MIT CIO Summit, MIT, Cambridge, MA, May 20, 2004.
461. "IT and Productivity", Panel Chair, MIT CIO Symposium, MIT, Cambridge, MA, May 19, 2004.
462. "The Digital Organization" Keynote, MIT CIO Symposium, MIT, Cambridge, MA, May 19, 2004.
463. "Director's Review and Update on the Center for eBusiness", Center for eBusiness Semi-Annual Board Meeting, , MIT, Cambridge, MA, May 18, 2004.
464. "Research in the Digital Productivity Special Interest Group", Center for eBusiness Annual Conference, , MIT, Cambridge, MA, May 18, 2004.
465. "Director's Introduction and Overview", Center for eBusiness Annual Conference, MIT, Cambridge, MA, May 18, 2004.
466. "The Digital Organization" Keynote, Warburg Pincus IT Conference, New York, May 13, 2004.

467. "Business Transformation: Lessons from the Matrix of Change" Conference on Driving Innovation Throughout the Organization: The Interplay of Technology, Culture and Markets MIT, Cambridge, MA, May 11, 2004
468. "The Digital Organization" Executive Briefing for Merrill Lynch/MIT Alliance, MIT, Cambridge, MA, April 29, 2004.
469. "Consumer Surplus in the Digital Economy" (Keynote Address), Research Symposium on Interactive Marketing, Bentley College, Waltham, MA, April 16, 2004.
470. "IT, Productivity and the Digital Organization" Warburg Pincus Workshop, New York, NY, March 30, 2004.
471. "Why IT Does Matter" Teaching and Research Workshop, Stanford Graduate School of Business, Stanford, CA, March 19, 2004.
472. "The Digital Organization: Seven Practices of Highly Productive Companies," University of Navarra, IESE Business School, Barcelona Spain (via video conference), March 4, 2004.
473. "Price Dispersion on the Internet" Interview for National Public Radio, WBUR studios, Boston, MA February 24, 2004.
474. "The Matrix of Change" and "Information and Communications Technology and Productivity" BT Workshops, Melia White House, London, UK, January 19 and 20, 2004.
475. "Information Worker Productivity: Task Level Evidence" Workshop on Information Systems and Economics, Seattle, WA, December 14, 2003.
476. "Productivity in E-commerce and Retailing" Brookings Workshop on Service Sector Productivity, Washington, DC November, 21, 2003.
477. "Information Technology and Productivity: Where are we and where do we go from here?" MIT Center for eBusiness Digital Productivity SIG Workshop, MIT, Cambridge, MA November 19, 2003.
478. "The Digital Organization: Practices of Highly Productivity IT Users" MIT/IMD Executive Program on Making Business Sense of IT, MIT, Cambridge, MA November 17, 2003.
479. "The Digital Organization: Practices of Highly Productivity IT Users" Sloan Family Weekend, MIT, Cambridge, MA October 18, 2003.
480. "The Digital Organization: Practices of Highly Productivity IT Users" (Keynote) and "The Matrix of Change: A tool for business process redesign", Conference on IT and Business Value, University of San Diego, San Diego, CA October 2, 2003.
481. "IT and Productivity" CNN (Television) Boston, MA, October 1, 2003.
482. "IT and the Productivity Revival" Bloomberg Financial Network (Television), Boston, MA August 20, 2003.
483. "IT and Productivity: The Evidence" Center for eBusiness, MIT, August 12, 2003.
484. "The Great Equalizer" and "IT, Productivity and Organizational Change: Firm Level Evidence", Royal Complutense College, Harvard, Cambridge, MA July 15, 2003.
485. "The Digital Organization: Practices of Highly Productive IT Users" and "The Matrix of Change", Center for Information Systems Research Summer Session, MIT Cambridge, MA June 18, 2003.

486. "The Digital Organization: Practices of Highly Productive IT Users", CSK Executive Forums and "eBusiness Research at MIT", CSK Executive Meetings, Tokyo, Osaka and Nagoya, Japan, June 9-13, 2003
487. "A Research Agenda for Information Worker Productivity" Information Work Productivity Council, MIT, May 23, 2003
488. "Massive Bundling of Information Goods: The Superstructure for the Bandwidth Explosion" Colloquium on the High Bandwidth World, Harvard Business School, April 24, 2003.
489. "Intangible Assets and Growth Accounting: Evidence from Computer Investments" and "Consumer Surplus in the Digital Economy" Stern School, New York University, April 17, 2003
490. "Consumer Surplus in the Digital Economy Estimating the Value of Increased Product Variety" International Industrial Organization Conference, Boston, April 5, 2003
491. "Global Outsourcing", Keynote Presentation, MassEcomm Roundtable, John Hancock Conference Center, Northeastern University, Boston, MA, March 31, 2003.
492. "Information Technology and Productivity: The Digital Organization", Keynote Presentation, Gartner ITXPO, San Diego Convention Center, San Diego, CA, March 24, 2003.
493. "Information Technology and Productivity: Lessons for CFOs and CIOs", "Global Outsourcing", "Business Intelligence", "Business Continuity Planning", "Lessons Learned", Conference Co-Chairman, Speaker and Panel Chairman, BusinessWeek CFO-CIO Forum, The Breakers, Palm Beach, FL, March 20-21, 2003.
494. "Information Technology, Productivity and the Digital Organization" Keynote Presentation, UVa-CMIT program on "IT and Business Value", University of Virginia, Charlottesville, VA, March 14, 2003.
495. "Information Technology and Organizational Assets", Opening Presentation, Transformation Enterprise Conference, United States Department of Commerce, Washington, D.C. January 27, 2003.
496. "Managing the Transition to eBusiness using the Matrix of Change", Two Programs for British Government Officials and British County Officials, BT Offices, London, United Kingdom, January 22-23, 2003.
497. "Pervasive Computing" Panel Chair and Moderator, Cyberposium, Harvard Business School, Boston, MA, January 18, 2003.
498. "Managing the Transition to eBusiness using the Matrix of Change", Program for Senior BT Executives, MIT, Cambridge, MA, January 9, 2003.
499. "Consumer Surplus in the Digital Economy", Paper Presentation, American Economic Association Annual Meeting, Washington, DC, January 5, 2003.
500. "Information Technology and Organizational Assets", Paper Presentation, American Economic Association Annual Meeting, Washington, DC, January 4, 2003.
501. "Optimal Incentive Contracts for Internet Advertising", "Intangible Assets and Growth Accounting", "The Future of WISE", Workshop on Information Systems and Economics, Barcelona, Spain, December 14-15, 2002.
502. "Intangible Asset Research" BT Executive Visit, Center for eBusiness, Cambridge, MA, November 21, 2002.
503. "Workshop Overview", "Information Technology and Productivity The Role of Organizational Capital", "Business Transformation with the Matrix of Change",

- Faculty chair and keynoter, GE EIMP Executive Program, Cambridge, MA, November 18-22, 2002.
504. "Managing the Transition to eBusiness using the Matrix of Change", Digital Business Strategy Executive Program, MIT, Cambridge, MA, November 8, 2002.
 505. "Seven Practices of Highly Productive IT Users" Center for eBusiness Lunch Seminar, MIT, Cambridge, MA, October 30, 2002.
 506. "A Research Approach for Information Worker Productivity" Information Worker Productivity Council, Cisco Systems, San Jose, CA October 18, 2002.
 507. "Information Technology and Organizational Assets" Haas School, University of California, Berkeley, Berkeley, CA October 17, 2002.
 508. "Computers and Business Transformation" Sloan Fellows Convocation, MIT Sloan School Cambridge, MA, August 8, 2002.
 509. "Discussion of 'Reassessing the Role of IT in the Production Function: A Meta Analysis'" National Bureau of Economic Research Summer Session, Cambridge, MA, July 26, 2002.
 510. "Aggregation Strategy for Information Goods" and "Business Transformation with IT", Real Collegio Complutense, Harvard, July 16, 2002.
 511. "Site Licensing Information Goods" Stanford Institute for Theoretical Economics Summer Workshop, Stanford, CA, June 27, 2002.
 512. "Business Transformation and the Matrix of Change", Center for Information Systems Research Summer Session, MIT Cambridge, MA June 18, 2002..
 513. "Information Technology and Productivity", Brookings Workshop on Productivity, Washington, DC May 17, 2002.
 514. "Aggregation Strategies for Information Goods", Pricing Seminar, MIT Sloan School, May 2, 2002.
 515. "Closing Panel" BT Executive Seminar, Cambridge, MA April 24, 2002.
 516. "Business Transformation and The Matrix of Change", BT Executive Seminar, Cambridge, MA April 22, 2002.
 517. "Intangible Assets and Organizational Transformation" Keynote Presentation, Center for eBusiness Annual Conference, MIT, Cambridge, MA, April 19, 2002.
 518. "Intangible Assets and Organizational Transformation", MIT CIO Summit, Cambridge, MA April 18, 2002.
 519. "Intangible Assets and Organizational Transformation: Lessons from the Matrix of Change" ILP Research Directors' Conference, MIT, Cambridge, MA, April 9, 2002.
 520. "Intangible Assets: Computers and Organizational Capital" Brookings Panel on Economic Activity, Washington, DC, April 4, 2002.
 521. "Information Technology and Organizational Capital: Implications for Growth Accounting" CRIW Conference on Measuring Capital in the New Economy, Federal Reserve, Washington, D.C. January 18, 2002.
 522. "Information Technology and Organizational Capital: Evidence from the Stock Market", American Economic Association Annual Meeting, Atlanta, GA January 6, 2002.

523. "Consumer Surplus in the Digital Economy: Estimating the Value of Increased Product Variety" and "eBusiness in a Down Economy (panel)"; Workshop on Information Systems and Economics, New Orleans, LA December 14-15, 2001
524. "Ecommerce Research at MIT" Tata Steel Executive Briefing, Center for eBusiness, MIT, November 16, 2001.
525. "eBusiness at MIT: Past and Future Research" Center for eBusiness Sponsor Board Meeting, MIT, November 15, 2001.
526. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Developing an Internet Strategy, MIT, Cambridge, MA, July 16-17, 2001.
527. "Information Technology and Organizational Assets: Evidence from the Stock Market" Technology and Operations Management research seminar, Harvard Business School, Boston, MA November 1, 2001.
528. "Education in E-commerce" EC '01 ACM Ecommerce Conference, Tampa, FL, October 16, 2001.
529. "Key Technology & Business Trends in the next 5 to 10 years" ALSTOM Executive Briefing, MIT Faculty Club, October 4, 2001.
530. "A Discussion of Information Technology and Monetary Policy" Federal Reserve Bank of Boston, Boston, MA September 21, 2001.
531. "Economic Policy in the Information Economy" Discussant for Hal Varian's Paper, Jackson Hole Symposium, Federal Reserve Bank, Jackson Hole, Wyoming, August 31, 2001.
532. "Information Systems: The Imperial Science", Americas Conference on Information Systems, Association of Information Systems, Boston, MA, August 3, 2001.
533. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Summer Institute, Royal Complutense College, Harvard University, Cambridge, MA, July 19, 2001.
534. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Developing an Internet Strategy, MIT, Cambridge, MA, July 16-17, 2001.
535. "eBusiness Transformation and the Matrix of Change", Summer Session Conference, Center for Information Systems, Cambridge, MA, June 19, 2001.
536. "eBusiness Transformation and the Matrix of Change", Workshop on eBusiness Transformation, MIT Center for eBusiness, Cambridge, MA, June 14, 2001.
537. "eBusiness Transformation", Informationweek/Businessweek eBusiness Expo, San Jose, June 12, 2001.
538. "Visionary Research in eBusiness" MIT Faculty Retreat, Endicott House, Dedham, MA, May 22, 2001.
539. "Intangible Assets and Growth Accounting: Evidence from Computer Investments", Conference on Intangibles, NYU Stern School, New York, NY, May 17, 2001.
540. "eBusiness Transformation", Opening Keynote Address, Businessweek CIO Summit, Boston, MA, May 10, 2001.
541. "The Center for eBusiness @ MIT: Annual Report" Center for eBusiness Executive Board Meeting, MIT, Cambridge, MA, April 24, 2001.

542. "eBusiness Students Choice Award: Nominees and Winners", eBusiness Awards Event, MIT, Cambridge, MA, April 23, 2001.
543. "eBusiness: Where do we go from here?" Panel presentation, eBusiness Day, MIT Sloan School, Cambridge, MA, April 23, 2001.
544. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Developing an Internet Strategy, MIT, Cambridge, MA, April 19-20, 2001.
545. "Consumer Decision-Making at Internet Shopbots", Harvard Industrial Organization Workshop, Cambridge, MA, April 16, 2001.
546. "Second Generation eBusiness: The Matrix of Change" Keynote, Board of Overseers, University of Mexico Conference, Monterrey, Mexico, February 20, 2001.
547. "The Great Equalizer? Consumer Decision-Making at Internet Shopbots", Stanford/NBER Conference on Ecommerce, Stanford, CA, February 9, 2001.
548. "The Great Equalizer? Consumer Decision-Making at Internet Shopbots", NBER Conference on Ecommerce Research, Bodega Bay, CA, January 26-27, 2001.
549. "Second Generation eBusiness" Closing Keynote, Annual Conference, Center for eBusiness, MIT Sloan School, Cambridge, MA, January 17, 2001.
550. "Managing the eBusiness Transformation"(lecture), "What Business Are you Really In?" (moderator), "Frictionless Commerce" (moderator), Businessweek/Informationweek eBusiness Expo and Conference, Javits Center, New York, December 12, 2000.
551. "Intangible Assets and Growth Accounting: Evidence from Information Technology Investments", NBER Workshop on Productivity, Cambridge, MA, December 1, 2000.
552. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Developing an Internet Strategy, MIT, Cambridge, MA, November 15-16, 2000.
553. "Managing the eBusiness Transformation", Keynote Address, Authoria Annual Conference, San Antonio, TX, November 9, 2000.
554. "Managing the eBusiness Transformation", The Economist eBusiness Summit, Chicago, IL, October 19, 2000.
555. "The Center for eBusiness @ MIT: Accomplishments and Plans" Center for eBusiness Executive Board Meeting, MIT, Cambridge, MA, October 13, 2000.
556. "The Role of eBusiness in the New Economy: Implications for Growth" National Academy of Sciences Workshop (STEP), Washington, D.C. October 6, 2000.
557. "The Future of eBusiness" Keynote Address, Business Week CEO Forum, New York, NY, October 5, 2000.
558. "Managing the eBusiness Transformation", The Economist eBusiness Summit, Atlanta, GA, October 3, 2000.
559. "Frictionless Commerce", Keynote Address, Annual Conference, National Retail Federation, San Diego, CA September, 2000.
560. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", 2 Panel sessions and Conference Co-Chairman, Developing an Internet Strategy, MIT, Cambridge, MA, July 24-25, 2000

561. "The Great Equalizer? Analyzing Shopbot Data" NBER Ecommerce/Industrial Organization Workshop, Cambridge, MA June 22, 2000.
562. "Frictionless Commerce" Plenary talk, CISR Summer Session, MIT, Cambridge, MA, June 20, 2000.
563. "Innovative E-business Models in Practice," Panel Chair, eBusiness Conference and Expo, San Jose, CA, June 13, 2000.
564. "E-business Model University," Invited Lecture, eBusiness Conference and Expo, San Jose, CA, June 13, 2000.
565. "True Partnering: Creating the Frictionless Value Chain," Panel Member, eBusiness Conference and Expo, San Jose, CA, June 13, 2000.
566. "Research Opportunities" Annual Conference, Future Professors of Manufacturing, Stanford University, May 12, 2000.
567. "Frictionless Commerce" Keynote Address, Delphi Automotive Annual Leadership Conference, Troy, MI, June 7, 2000.
568. "How Will the Next Wave of Internet Commerce Transform Your Industry and Organization? Lessons from the new Center for eBusiness@ MIT" Plenary Address, ILP Research Directors Conference, MIT, Cambridge, MA, May 10, 2000.
569. "Frictionless Commerce" Roundtable Group E-tail Bootcamp, University of Chicago, June 27, 2000.
570. "Ecommerce Opportunities in China" Panel Chair, Harvard Conference on Ecommerce in China, Harvard Kennedy School, Cambridge, MA, May 6, 2000.
571. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Panel sessions and Conference Co-Chairman Developing an Internet Strategy, MIT, Cambridge, MA, April 13-14, 2000
572. "Frictionless Commerce" The Economist eBusiness Summit, Laguna Niguel, CA, March 30, 2000.
573. "The Matrix of Change" Roundtable Group Ecommerce Bootcamp, University of Chicago, March 20, 2000.
574. "Frictionless Commerce" The Economist eBusiness Summit, New York, New York, March 21, 2000.
575. "eBusiness Research at MIT" Internet Telephony Convergence Consortium, MIT, Cambridge, MA, January 20, 2000.
576. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers", Young Presidents Organization, MIT, Cambridge, MA, January 18, 2000
577. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "Managing the Transition to eBusiness using the Matrix of Change", Panel sessions and Conference Chairman, Developing an Internet Strategy, MIT, Cambridge, MA, January 13-14, 2000
578. "Information Technology, Work Organization and the Demand for Skilled Labor: Firm level Evidence", HR Network Meeting, Boston, MA January 6, 2000.
579. "Ecommerce Teaching and Research", Panel Presentation, Workshop on Information Systems and Economics, Charlotte, NC, December 11, 1999.
580. "The IT Revolution and the Stock Market – discussion of a paper by Boyan Jovanovic", NBER Workshop, December 3, 1999.

581. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" MIT Industrial Organization Seminar, November 22, 1999
582. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" Harvard Business School Accounting and Control Seminar, November 15, 1999
583. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers", ILP Conference for International Paper, MIT, Cambridge, MA, November 5, 1999.
584. "The IT Revolution and the 'New Economy'" Gilder Technology Conference, New York, October 28, 1999.
585. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers", RTG Ecommerce Bootcamp, Chicago,, October 27, 1999.
586. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers", Media Lab eMarkets Conference, MIT, Cambridge, MA, October 18, 1999.
587. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" Federal Reserve Bank Governor's Meeting, Boston, MA September 27, 1999.
588. "Marketing and the Internet", American Marketing Association Annual Meeting, San Francisco, CA, August 8, 1999.
589. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" NBER, Cambridge, MA July 23, 1999.
590. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" and "IT and Productivity: Making the Connection" CISR Summer Session, MIT, June 15-17, 1999.
591. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" Annual Conference on Intangibles, New York University, New York, May, 1999
592. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" White House/Dept. of Commerce Conference on the Digital Economy, Washington, DC, May 25, 1999.
593. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" NERA/Microsoft Conference on the Software Industry, San Diego, CA, April 24, 1999.
594. "Intangible Assets: How the Interaction of Computers and Organizational Structure Affects Stock Market Valuations" Special Presentation for Alan Greenspan and Federal Reserve Board, Washington, DC.
595. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" Congressional Staff Seminar, MIT, Cambridge, MA, April 8, 1999.
596. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" ICRMOT Annual Meeting, MIT, Cambridge, MA, March 16, 1999.
597. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" Internet Telephony Convergence Consortium Annual Meeting, MIT, Cambridge, MA, January 28, 1999.
598. "Frictionless Commerce? A Comparison of Conventional and Internet Retailers" MIT Club of Northern California Conference, January 23, 1999

599. "Doing Business on the Internet ", MIT Internet Telephony Consortium Annual Conference, Cambridge, MA, January 29, 1999.
600. "Doing Business on the Internet: Seven Strategies for Success", MIT Alumni Association Conference, San Mateo, CA, January 23, 1999.
601. "Doing Business on the Internet", Keynote Speaker, Next Generation Internet and Beyond, MIT, Cambridge, MA December 2, 1998
602. "Doing Business on the Internet", Keynote Speaker, Washington University, School of Engineering & Applied Science, St. Louis, MO. November, 19, 1998
603. "Doing Business on the Internet", CISR Sponsors Board Meeting, MIT, Cambridge, MA. November, 19, 1998
604. "The Intangible Costs and Benefits of Computer Investments: Evidence from the Financial Markets," Productivity Group Seminar, National Bureau of Economic Research, Cambridge, MA, October 7, 1999.
605. "Bundling and Competition on the Internet" Telecommunications Policy Research Conference, Washington, DC. October 4, 1998
606. "Computers, Productivity and the Economy" Time Magazine, Meeting of Board of Economists, September 14, 1998.
607. "How Do Information Technology and Organizational Design Affect Labor Demand?" CREST/ INSEE Conference on IT, Employment and Earnings, Nice, France June 22, 1998.
608. "Doing Business on the Internet", General Session Speaker, CISR Summer Session, MIT, Cambridge, MA June 17, 1998
609. "Computers and Productivity: Making the Connection", Special Session Speaker, CISR Summer Session, MIT, Cambridge, MA June 17, 1998
610. "Aggregating and Disaggregating Information Goods: Implications for Bundling, Site Licensing and Micropayment Systems", Marketing Seminar, Graduate School of Business, Stanford University, May 13, 1998.
611. "Personalization Issues on the Internet" Strategic Uses of Information Technology, Graduate School of Business, Stanford University, May 6, 1998.
612. "Computers and Organizational Structure" Strategic Uses of Information Technology, Graduate School of Business, Stanford University, May 4, 1998.
613. "Information Technology and Organizational Design: Evidence from Microdata" Graduate School of Business, University of California, Irvine, March 23, 1998.
614. "Computing Productivity: Evidence from Micro Data", Workshop on Micro studies of entry/exit and productivity, NBER Program on Growth, Boston, March 7.
615. "Pricing and Distribution of Information Goods: Aggregation and Disaggregation Strategies" INFORMS College on Marketing Conference on Marketing Science and the Internet, MIT, Cambridge, March 6-8, 1998.
616. "IT and Productivity" , IT Conference, Union Bank of Switzerland, Stamford, CN February 20, 1998.
617. "Doing Business on the Internet", Sloan Executive Education Meeting, MIT, Cambridge, MA. February 13, 1998.
618. "Computers and Productivity: Making the Connection", Special Session Speaker, Giga Confernece, Boston, MA February 9, 1998.

619. "How Do Information Technology and Organizational Design Affect Labor Demand? Evidence from Microdata" Brookings/MIT Conference on Corporations and Human Capital, Dedham, MA January 12-13, 1998.
620. "The Intangible Costs and Benefits of Computer Investments: Evidence from the Financial Markets," International Conference on Information Systems, Atlanta, Georgia, December, 1997.
621. "Information Technology and Organizational Design: Evidence from Microdata" Competition and Organization in Technology-Intensive Industries, National Bureau of Economic Research Universities Research Conference, Cambridge, MA December 5-6, 1997.
622. "Information Technology and Organizational Design: Evidence from Microdata" Graduate School of Business, Stanford University, Stanford, November 19, 1997.
623. "Information Technology and Organizational Design: Evidence from Microdata" Center for Research on Information Systems, New York University, New York, October 16, 1997.
624. "Digitizing Jobs: How Information Technology Affects the Workforce" Panel at Wall Street Journal Technology Summit, New York, October 15, 1997.
625. "In Search of 'Friction-Free Markets': An Exploratory Analysis of Prices for Books, CDs and Software Sold on the Internet" Telecommunications Policy Research Conference, Washington, D.C., September 28, 1997.
626. "Aggregating and Disaggregating Information Goods: Implications for Bundling, Site Licensing and Micropayment Systems", Telecommunications Policy Research Conference, Washington, D.C., September 28, 1997.
627. "The Net Effect: Measures of Information Integration", Telecommunications Policy Research Conference, September 29, Washington, D.C., 1997.
628. "Strategy and Organization in the Internet Age" Alumni Weekend Panel Chair, Graduate School of Business, Stanford University, September 27, 1997.
629. "Information Technology, Productivity and the Information-based Organization" Research Presentation, IBM Economics and IBM Strategy Division, IBM Corporate Headquarters, White Plains, NY, September 18 and September 19, 1997.
630. "Information Technology, Productivity and the Information-based Organization" Inaugural Seminar, Institute of Information Systems, Frankfurt University, Frankfurt Germany (via videoconference), September 5, 1997.
631. "Information Technology, Productivity and the Information-based Organization" Graduate School of Management, University of California, Irvine, CA, August 22, 1997.
632. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Productivity Summer Workshop, National Bureau of Economic Research, Cambridge, MA August 1, 1997.
633. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Conference on the Impact of Information Technology on Performance, U.S. Department of Commerce, Washington, D.C., July 29, 1997.
634. "Information Technology and Employment" and "Information Technology and Organizations", Session Leader, National Academy of Sciences Workshop on the Economic and Social Impacts of Information Technology, Berkeley, CA, June 30-July 1, 1997.

- 635. "Aggregating and Disaggregating Information Goods: Implications for Bundling, Site Licensing and Subscriptions" Berkeley Symposium On Policy and Strategy for Converging Information Industries, University of California, Berkeley, CA June 29, 1997.
- 636. "Doing Business on the Internet" Center for Information Systems Research Summer Session, MIT, Cambridge, MA, June 18, 1997
- 637. "Information Technology, Productivity and the Information-based Organization" Center for Information Systems Research Summer Session, MIT, Cambridge, MA, June 17, 1997
- 638. "Bundling Information Goods: Pricing Profits and Efficiency" Strategy Research Seminar, Graduate School of Business, Stanford University, May 21, 1997.
- 639. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Comparative Institutional Analysis Research Seminar, Department of Economics, Stanford University, May 19, 1997.
- 640. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Comparative Institutional Analysis Research Seminar, Department of Economics, Stanford University, May 19, 1997.
- 641. "Electronic Commerce" Strategic Uses of IT, Executive Course, Stanford University, May 13, 1997.
- 642. "IT and Productivity: How to Make the Connection" Strategic Uses of IT, Executive Course, Stanford University, May 12, 1997.
- 643. "IT and Productivity: How to Make the Connection" MIT Information Systems Course, MIT Sloan School, Cambridge, MA, May 5, 1997.
- 644. "Information Technology, Productivity and the Information-based Organization", CIO Thought Leadership Conference, Phoenix, AZ, April 30, 1997.
- 645. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Research Seminar, School of Management, University of California, Irvine, April 4, 1997.
- 646. "Information Technology, Organizational Design and Productivity: Firm-level Evidence" Research Seminar, Anderson School of Management, University of California, Los Angeles, April 3, 1997.
- 647. "Recent Research on Information Pricing", Meeting with Technologic Partners for Stanford Computer Industry Project, Stanford University, March 28, 1997.
- 648. "Recent Research on Information Pricing", Meeting with Phillips Research for Stanford Computer Industry Project, Stanford University, February 7, 1997.
- 649. "Recent Research on Information Technology, Productivity and Organization", Sloan Foundation Review, Stanford University, January 30, 1997.
- 650. "Information Technology, Productivity and the Information-based Organization" Seminar on Information Systems, School of Information Management and Systems, University of California, Berkeley, January 28, 1997.
- 651. "Bundling Information Goods: Pricing Profits and Efficiency", Conference on Internet Publishing and Beyond, Harvard University, Cambridge, MA, January 24, 1997.
- 652. "Bundling Information Goods: Pricing Profits and Efficiency", Stanford Computer Industry Project Research Seminar, Stanford, January 15, 1997.

653. "Bundling Information Goods: Pricing Profits and Efficiency", 30th Annual Hawaii International Conference on System Sciences, Wailea, HI, January 9, 1997.
654. "How Should Information Be Priced?", Keynote Panel, International Conference on Information Systems, December 16, 1996.
655. "Managing Software Piracy: Platform Switching and Strategic Copy Protection" (discussant) Workshop on Information Systems and Economics, Cleveland, OH, December 15, 1996.
656. "Pricing Strategies for Electronic Commerce", Plenary Panel Session, Workshop on Information Systems and Economics, Cleveland, OH, December 14, 1996.
657. "Computers and Productivity Growth: Micro Evidence" Workshop on Science, Technology and Economic Growth, Stanford, November 26, 1996.
658. "Information Technology, Productivity and the Information-based Organization" Annual Conference of Global Manufacturing Associates, Stanford, November 15, 1996.
659. "Pricing Information Goods: How to Make a Bundle on the Internet", Operations and Information Management Seminar, Wharton School of Business, University of Pennsylvania, November 6, 1996.
660. "Information Technology, Productivity and the Information-based Organization" Stanford Computer Industry Project Research Seminar, Stanford, October 16, 1996.
661. "Information Technology and Productivity or 'The Trouble with Computers'?" Sun Microsystems Seminar, Menlo Park, CA, October 11, 1996.
662. "Information Technology and Productivity: Making the Connection" Stanford Computer Industry Project Annual Forum, Stanford, September 19, 1996.
663. "Information Technology and Productivity: Making the Connection" Institute for International Research, Stockholm (via videoconference), September 17, 1996.
664. "Pricing Information Goods: How to Make a Bundle on the Internet", Operations, Information and Technology Seminar, Graduate School of Business, Stanford, October 2, 1996.
665. "Bundling Information Goods: Pricing Profits and Efficiency", Economics and Public Policy Seminar, Haas School of Business, UC/Berkeley, September 26, 1996.
666. "Bundling Information Goods: Pricing Profits and Efficiency", Industrial Organization Workshop, Department of Economics, MIT, September 16, 1996.
667. "Computers and Productivity Growth: Evidence from Microdata" Productivity Summer Workshop, National Bureau of Economic Research, July 16, 1996.
668. "Information Technology and the Information-Based Organization" Center for Information Systems Research Summer Session, MIT, June, 19, 1996.
669. "Information Technology, Organizational Design and Firm Performance: Firm-level Evidence" OECD Workshop on Economics of the Information Society, Helsinki, Finland, June 6-7, 1996.
670. "Electronic Commerce on the Internet: Three Stages of Business Model Evolution", Workshop on Inventing Organizations of the 21st Century, London, June 5, 1996.
671. "Information Technology, Organizational Design and Firm Performance: Firm-level Evidence" Workshop on the Corporation of the Future, McKinsey Headquarters, London, June 4, 1996.

672. "Information Technology and the Information-Based Organization", Opinion Leaders Meeting for MIT Industrial Liaison Program and Siemens-Nixdorf, MIT, January 29 and January 30, 1996.
673. "Information Technology, Organizational Structure and Firm Performance: Are there Complementarities?" American Economic Association Annual Meeting, San Francisco, CA, January 6, 1996.
674. "Information Technology, Productivity and the Information-Based Organization" Royal Swedish Academy of Engineering Sciences (IVA), Stockholm, Sweden, December 14, 1995.
675. "Networks and the Rise of Information Elite" International Conference on Information Systems, Amsterdam, Netherlands, December 12, 1996.
676. "Information Technology, Organizational Structure and Firm Performance: Are there Complementarities?" Workshop on Information Systems and Economics, London, UK, December 9, 1995.
677. "How to Make a Bundle in Software: A New Mechanism for Pricing Information Goods" Workshop on Information Systems and Economics, London, UK, December 9, 1995.
678. "IT and Business Value", The CEO in a Wired World, CEO Institute, Phoenix, Arizona, December 1, 1995.
679. "Information Technology and High Performance Work Organization: Are they Complementarities?" Industrial Relations Research Seminar, MIT, November 21, 1995.
680. "Information Technology, Productivity and the Information-Age Organization", Decision Support Institute Annual Conference, Boston, MA, November 20, 1995.
681. "Overview of Research on IT and Productivity", Industrial Performance Center Research Retreat, Weston, MA, May 25, 1995.
682. "The Effects of Computers on Labor Demand and Wages", Discussant, OECD Workshop on IT Impacts, Toronto, Canada, June 28, 1995.
683. "Information Technology and Productivity: The Business Issues", Presentation and Discussion Group Leader, CISR Summer Session, June 13, 1995.
684. "Information Technology and Organizational Structure: Diversification and Vertical Integration", OECD & Department of Commerce, Washington, May 1, 1995.
685. "Information Technology and Productivity: Recent Findings", MIS Seminar, Harvard Business School, Boston, April 13, 1995.
686. "Information Technology and Productivity in American Industry", Presentation for IPC International Conference on Future of Industry in Advanced Societies, MIT, Cambridge, April 7, 1995.
687. "Information Technologies, their Interoperability and Productivity", Internet Economics Workshop, MIT, March 9, 1995.
688. "IT, Reengineering and Productivity", Executive Seminar on Information Technology, University of California, Irvine (via video conference), February 24, 1995.
689. "IT, Suppliers, and Incentives: Theory and Evidence", Workshop on the Changing Boundaries of the Firm, Wharton School, University of Pennsylvania, Philadelphia, January 27, 1995.

690. "IT, Productivity and the 21st Century Organization", Center for Coordination Science, MIT, January 26, 1995.
691. "Computers, Productivity and Performance: Firm-level Evidence", OIT Seminar, Stanford University, Stanford, CA, January 18, 1995.
692. "IT and Supplier Partnerships: Theory and Evidence from the Automobile Industry", Workshop on Information Systems and Economics, Vancouver, BC, Canada, December, 1994
693. "Information Technology and the Productivity Paradox: The Problem Facing Managers and Researchers", Panel Discussion, International Conference on Information Systems, Vancouver, BC, Canada, December, 1994.
694. "IT Productivity and the 21st Century Organization", Presentation at IBM Technology College, December, 1994, Pallisades, NY.
695. "Research on Information Technology and Productivity and Supplier Relations", Presentation for Leaders for Manufacturing, Cambridge, December, 1994.
696. "IT and Business Value", Panel Discussion, The CEO in a Wired World, CEO Institute, Mexico City, Mexico, November, 1994.
697. "Computers and Economic Growth: Firm-level Evidence", Research Seminar at Wharton School, University of Pennsylvania, November, 1994.
698. "Information Technology and Productivity in American Manufacturing", Presentation for Mitsui/ILP/IPC, Cambridge, November, 1994.
699. "Research on Information Technology and Productivity and Supplier Relations", Presentation for Center for Coordination Science Sponsors, Cambridge, November, 1994.
700. "Research on Information Technology and Productivity", Presentation for Center for Information Systems Research Sponsors Board, Cambridge, October, 1994.
701. "Incentives in Supplier Relations: Examining the Role of Information Technology", Presentation for International Motor Vehicles Program, Endicott House, Dedham, MA, September, 1994.
702. "Computers and Economic Growth: Firm-level Evidence", Research Seminar at University of Texas at Austin, September, 1994.
703. "Computers and Economic Growth: Firm-level Evidence", Research Seminar at University of California at Berkeley, September, 1994.
704. "Computers and Economic Growth: Firm-level Evidence", Productivity Workshop at the National Bureau of Economic Research, Cambridge, July, 1994.
705. "Research on Information Technology and Productivity and Supplier Relations", Presentation for Sloan Foundation Board and Industrial Performance Center, June, 1994.
706. "Information Technology and Productivity", Presentation and Discussion Group Leader, CISR Summer Session, June, 1994.
707. "Information Technology, Productivity and the Re-organization of Work", Conference on Inventing the Organizations of the 21st Century, MIT, May, 1994.
708. "Information Technology Payoffs", Twelfth Annual Information Management Conference, The Conference Board, New York, May, 1994.
709. "Information Technology, Productivity and the Re-organization of Work", MICOM Seminar for Senior Executives, MIT, May, 1994

710. "Information Technology, Incentives, and the Optimal Number of Suppliers", Electro'94 International, Boston, May, 1994.
711. "The Productivity of Information Technology" Seminar for London Business School Senior Executives, MIT, April, 1994.
712. "Comments on Estimates of Consumer and Producer Surplus in the Mainframe Computer Market", Discussant, Conference on New Goods, National Bureau of Economic Research (NBER), Williamsburg, April, 1994.
713. "Information Technology and the Performance of Firms" TIMS/ORSA Joint National Meeting, Boston, April, 1994 (session chair and paper presenter).
714. "Computers and Economic Growth: Firm-level Evidence", Industrial Organization Seminar, Economics Department, MIT, March, 1994.
715. "Productivity & Technology", Panel Discussion, The CEO in a Wired World, CEO Institute, Dana Point, CA, March, 1994.
716. "Paradox Lost? Firm-level Evidence of High Returns to Information Systems", Research Seminar, Harvard Business School, March, 1994.
717. "Information Technology, Productivity and the Organization of Work", Technology and Employment Symposium, MIT, January, 1994.
718. "Paradox Lost: New Evidence on the Returns to Information Systems", Operations and Information Technology Seminar, Stanford University, January, 1994.
719. "What Can Information Systems Learn from Economics? Applications and Highlights from Current Research", Panel Chairman, International Conference on Information Systems and Economics (ICIS), Orlando, December, 1993.
720. "Opening Remarks on Research in Information Systems and Economics", Co-Chairman, Workshop on Information Systems and Economics (WISE), Orlando, December, 1993.
721. "The Computer Productivity Paradox", Discussion on *Technology Edge*, CNBC Television Program, WBZ Studios, Boston, December, 1993; Rebroadcast, January, 1995.
722. "Downsizing and Unemployment", Interview on "Money Radio", KMNY, Los Angeles, December, 1993.
723. "Comments on Estimates of Consumer and Producer Surplus in the Mainframe Computer Market", Discussant, Workshop at the National Bureau of Economic Research (NBER), Harvard University, December, 1993.
724. "Network Externalities in Microcomputer Software: An Econometric Analysis of the Spreadsheet Market", ICRMOT Seminar, MIT Sloan School, November, 1993.
725. "New Evidence on Information Systems and Firm Performance", Information Technology Seminar, MIT Sloan School, November, 1993.
726. "New Evidence on the Returns to Information Systems", OECD/NSF Workshop on the Productivity Impacts of Information Technology Investments, Charleston, November, 1993.
727. "An Incomplete Contracts Theory of Information, Technology and Organization", ORSA/TIMS Joint National Meeting, Phoenix, November, 1993.
728. "Paradox Lost: New Evidence on Information Systems Productivity", CISR Workshop, Endicott House, October, 1993.

- 729. "Reexamining the Link Between Technology Investments and Productivity Gains", IFSRC/CCS Workshop, Citibank, New York, October, 1993.
- 730. "Information Technology and the New Management Work". Norwegian Academy of Technological Sciences, Trondheim, Norway, September, 1993.
- 731. "The Role of Information Technology in New Organizations" Program on Applied Coordination Technology, University of Trondheim, Trondheim, Norway, September, 1993.
- 732. "Is Information Systems Spending Productive? New Evidence and New Results". Center for Research on Information Technology and Organizations (CRITO) Research Seminar, University of California, Irvine, August, 1993.
- 733. "Is Information Systems Spending Productive? New Evidence and New Results". Research Seminar, Nanyang Technical University, (NTU), Singapore, July, 1993.
- 734. "Electronic Markets: Strategies for Competitive Advantage", Seminar at Nanyang Technical University (NTU), Singapore, July, 1993.
- 735. "The Technology and Economics of Electronic Markets", Two Classes at Nanyang Technical University (NTU), Singapore, July, 1993.
- 736. "Why Information Technology Hasn't Increased the Optimal Number of Suppliers". Research Seminar, Nanyang Technical University (NTU), Singapore, July, 1993.
- 737. "Paradox Lost? New Evidence on IT Productivity", Invited Talk, Epoch Foundation, Taipei, Taiwan, July, 1993.
- 738. "From Markets to Partnerships: IT and Buyer-Supplier Relationships", Invited Talk, CISR-IMARC Conference on "Managing IT for Business Transformation", Singapore, July, 1993.
- 739. "Paradox Lost? New Evidence on IT Productivity", Invited Talk, CISR-IMARC Conference, Singapore, July, 1993.
- 740. "From Markets to Partnerships: IT and Buyer-Supplier Relationships", Invited Talk, CISR Summer Session, Cambridge, June, 1993.
- 741. "Paradox Lost? New Evidence on IT Productivity", Invited Talk, CISR Summer Session, Cambridge, June, 1993.
- 742. "Is Information Systems Spending Productive? New Evidence and New Results". MIS Research Seminar, Boston University, April, 1993.
- 743. "Determinants of the Demand for Packaged Software: Preliminary Results from the Microcomputer Spreadsheet Market", Information Technology Seminar, Sloan School of Management, April, 1993.
- 744. "From Markets to Partnerships: IT and Buyer-Supplier Relationships", Workshop Sponsored by the Center for Coordination Science, the Leaders for Manufacturing Program and the International Center for Research on the Management of Technology, Cambridge, February, 1993.
- 745. "Why Information Technology Hasn't Increased the Optimal Number of Suppliers". 26th Annual Hawaii International Conference on System Sciences, Wailea, HI, January, 1993.
- 746. "Information Systems and Economics: Where Do We Go From Here?", Panel Chair, Workshop in Information Systems and Economics Panel Discussion, December, 1992.
- 747. "Some Estimates of IT's Contribution to Consumer Welfare", Workshop in Information Systems and Economics, Research Presentation, December, 1992.

748. "Information Technology and the Productivity Paradox: Review and Assessment", Workshop Sponsored by the Center for Coordination Science and the International Financial Services Research Center, Cambridge, December, 1992.
749. "Research on Information Technology and Productivity", Seminar for the Industrial Performance Center, Cambridge, November, 1992.
750. "Some Estimates of IT's Contribution to Consumer Welfare and Implications for Productivity", Seminar for the Industrial Performance Center, Cambridge, October, 1992.
751. "Information Technology and the Productivity Paradox: Lessons for MIS", Center for Information Systems Research, Sponsors Board Meeting, Dedham, MA, October, 1992.
752. "Research on Information Technology and Economics at the Center for Coordination Science", Seminar Sponsored by the Center for Coordination Science, Cambridge, October, 1992.
753. "Research on Information Technology and Economics at the Center for Coordination Science", Seminar Sponsored by the Center for Coordination Science, Cambridge, September, 1992.
754. "Information Technology and the Productivity Paradox: Lessons for the Software Industry", Keynote for Information Technology Association of America Annual Meeting, Washington, D.C. August, 1992.
755. "The Restructuring of the Computer Industry: Lessons from Wang's Bankruptcy", Discussion for Voice of America, Chinese Information Service, Broadcast August, 1992.
756. "Information Technology and the Productivity Paradox: What We Know and What We Don't Know", International Financial Services Research Center, New York, June, 1992.
757. "Information Technology and the Productivity Paradox: What We Know and What We Don't Know", Center for Information Systems Research Summer Session Presentation, Cambridge, June, 1992.
758. "Computers in the Workplace: Monitoring or Empowering?", Invited talk, Conference on Computers and Social Change, Northeastern University, Boston, April 24, 1992.
759. "Estimating IT's Contribution to Consumer Welfare: Money Talks", Information Technology Seminar, Sloan School of Management, April 22, 1992.
760. "An Incomplete Contracts Theory of Information, Technology and Organization", Workshop in Information Systems and Economics Paper Presentation, December, 1991.
761. "Comments on 'An Information Economics Approach to Analyzing Information Systems for Cooperative Decision Making'", International Conference on Information Systems Panel, December, 1991.
762. "Knowledge is Power: A Theory of Information, Technology and Organization", Center for Coordination Science Seminar, Paper Presentation, December, 1991.
763. "Information Technology and Productivity", International Financial Services Research Center (IFSRC) Presentation, December, 1991.
764. "Information Technology and Ownership Structure", ORSA/TIMS Joint National Meeting Paper Presentation, November, 1991.

765. "Information Technology and Productivity", IFSRC/Digital Equipment Corporation Presentation, October, 1991.
766. "The Productivity Paradox: What are the Issues?", Center for Information Systems Research Presentation, October, 1991.
767. "How Does Information Technology Affect Firm Boundaries?", International Strategic Management Society Conference Paper Presentation, October, 1991.
768. "Economics and Coordination Science", Panel Chair, Telecommunications Policy and Research Conference Panel, September, 1991.
769. "Reorganizing Work: Information and Incentives", Industrial Liaison Program Presentation, July, 1991.
770. "Solving the Productivity Paradox", Center for Information Systems Research Summer Session Presentation, June, 1991.
771. "Reorganizing Work: Information and Incentives", Center Coordination Science Symposium, April, 1991.
772. "Does Information Technology Lead to Smaller Firms?", Workshop in Information Systems and Economics, Paper Presentation, December, 1990.
773. "The New Organization of Work: Causes and Consequences", Center for Coordination Science Paper Presentation, December, 1990.
774. "Restructuring Business for the Information Age", Industrial Liaison Program/MIT Day in Copenhagen Presentation, December, 1990.
775. "Information Technology and the Productivity Paradox", IFSRC IT and Productivity Workshop Presentation, October, 1990.
776. "Information Technology and Economic Organization", Sloan School Strategy Group Paper Presentation, March, 1990.
777. "Information Technology and Economic Organization", Sloan School IT Group Paper Presentation, March, 1990.
778. "Information Technology and Economic Organization", UCLA Paper Presentation, February, 1990.
779. "Information Technology and Economic Organization", University of California at Irvine Paper Presentation, February, 1990.
780. "Information Technology and Economic Organization", Harvard Business School Paper Presentation, February, 1990.
781. "Information Technology and Economic Organization", University of Rochester Paper Presentation, February, 1990.
782. "Information Technology and the Productivity Paradox", Panel Chair, International Conference on Information Systems (ICIS), December, 1989.
783. "If Knowledge is Power, Can Ignorance Be Bliss? An Agent-Theoretic Analysis", Coordination Science Seminar Series, November, 1989.
784. "Information Technology and the Productivity Paradox", Workshop on Computers and Productivity, Laboratory for Computer Science, MIT, October, 1989.
785. "The Impact of Information Technology on Markets and Hierarchies", International Telecommunications Society (ITS) Annual Conference, July 1988.
786. "Project Management of Knowledge-based Systems", Boston Computer Society Artificial Intelligence group, May, 1988.

- 787. “Executive Briefing on Artificial Intelligence”; “Domain Selection”; “Expert System Shells”; and “Knowledge Engineering”; (Keynote speaker, lecturer), Conferences on Expert Systems, Advanced Computing Management, Amsterdam, Holland, November, 1986 and March, 1988.
- 788. “Expert Systems for Finance”, AI East Conference, Atlantic City, NJ, November, 1987.
- 789. “Special Topics in AI”, (Panel Chair), AI '86 Conference, Longbeach, CA, August, 1986.
- 790. “New Opportunities in AI”, International Computer Consultants Association, Framingham, MA, March, 1986.
- 791. Various Topics in Knowledge-based Systems Development, Led a Series of Seminars Sponsored by Digital Consulting, Inc. Boston, New York, Washington and Chicago, 1987-89.
- 792. Various Topics in Artificial Intelligence, Director and discussion leader of Boston Computer Society Expert Systems Group, Monthly Meetings at MIT, Cambridge, MA 1986-89.