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EDUCATION

Ph.D., Communication, University of Southern California, 1987.
M. A., Communication, University of Southern California, 1986.
B. Tech. Electrical Engineering, Indian Institute of Technology, Madras (Chennai), 1983.

ACADEMIC APPOINTMENTS

2007–present *Jane S. & William J. White Professor of Behavioral Sciences*
Departments of Industrial Engineering and Management Sciences,
Communication Studies, and Management and Organizations
Northwestern University

2001-2007 Professor of Speech Communication
University of Illinois at Urbana-Champaign
Other Appointments:
Department of Psychology, 1994–2010
Graduate School of Library & Information Science, 2006-2007
Director, Science of Networks in Communities (SONIC) Group, National
Center for Supercomputing Applications, 2004-2007
Coordinated Science Laboratory, 2003-2007
Affiliate, Human Perception and Performance Group, Human-Computer
Intelligent Interaction, Beckman Institute for Advanced Science and
Technology, 2000-2007
Resident Associate, UIUC Center for Advanced Study, 2005-2006
Beckman Associate, UIUC Center for Advanced Study, 2003-2004

1991-2007 Director, Team Engineering Collaboratory, Department of Speech
Communication

1987-2007 Director, Computing and Instructional Laboratories, Department of Speech
Communication

1993-2001 Associate Professor of Speech Communication
University of Illinois at Urbana-Champaign

1987-1993 Assistant Professor of Speech Communication

Short-term, Visiting, and Advisory Appointments

Program Board, *Web Science Trust*, London, 2010-present.

Member, Advisory Board, *Responsible Business in the Blogosphere*, Centre for Corporate Social Responsibility, Copenhagen Business School, Denmark, 2010-present.

Member, Advisory Committee, *Physical Sciences-Oncology Center (PSOC)*, Northwestern University, 2010-present.

Honorary Professor, *School of Business*, Fudan University, Shanghai, China, 2010-present.

Chair, *Social Network Analysis Working Group*, Clinical & Translational Science Awards, National Institutes of Health. 2009-present.

Fellow, *The Field Museum*, Chicago, Division of Environment, Culture, and Conservation (ECCo), 2007-present.

Member, External Review Panel, Department of Communication, Cornell University. 2011.

Member, Media, Technology & Society, Graduate Admissions Committee 2010-2011

Member, Technology & Social Behavior, Graduate Admissions Committee, 2010-2011

Member, NSF CISE-SBE Advisory Subcommittee on *Discovery in Research Portfolio Tools for Structuring, Analyzing, Visualizing and Interacting with Proposal and Award Portfolios*, 2009-2010.

Member, Jury for eGov Europe Awards, 2009.

Member, External Advisory Committee to review *Social Informatics Program*, School of Informatics and Computing at Indiana University, Bloomington, IN, 2010.

Member, *Applications, Middleware & Services Advisory Council (AMSAC)*, Internet2, 2008-2011.

External Faculty, *Center for Organizational Innovation*, Columbia University, 2002-2007.

Faculty Advisory Board, Program in Business Communication, Jones International University, Englewood, CO, 1996-2001

Van Zelst Distinguished Scholar in Residence, Northwestern University, May 1-5, 2006.

Visiting Scholar, Department of Communication, Purdue University, April 3-7, 2006.

External Advisory Board, Immersion Studies, 2003-2004.

Visiting Honorary Professor, University of Science and Technology of China. Hefei, China, November 2004.

Intranet Advisory Board, Partnership for Advanced Computational Infrastructure, National Center for Supercomputing Applications, 1996-1999.

Associate, Communication Research Associates' proposal for workshop on managing information overload at Michigan Consolidated, 1998.

Research Associate, Intranet Working Group, Stanford Computer Industry Project, 1997-1998.

Annenberg Scholar, Annenberg School of Communication, University of Pennsylvania, fall, 1997.

Invited Faculty, Executive M.B.A. Program, University of Jyvaskyla, Finland, 1995.

HONORS AND AWARDS

Honorary Professor, School of Business, Fudan University, Shanghai, China, 2010.

Carolyn Dexter Award Nominee, Paper presented at the annual convention of the Academy of Management conference, 2010.

Invited Fellow, Center for Advanced Study in the Behavioral Sciences, Stanford University, 2011-2012.

Director, Age of Networks: Social, Cultural and Technological Connections, Center for Advanced Study, University of Illinois at Urbana-Champaign, funded renewal for a second year, 2006-2007.

Resident Associate & Co-Director, Age of Networks: Social, Cultural and Technological Connections, Center for Advanced Study, University of Illinois at Urbana-Champaign, 2005-2006.

Chapter in a book that won the 2006 Ernest Bormann Research Award from the Group Communication Division of the National Communication Association: Katz, N., Lazer, D.,

Arrow, H., & Contractor, N. The network perspective on small groups: Theory and research in Poole, M. S. & Hollingshead, A.B. (Eds.) *Theories of Small Groups: Interdisciplinary Perspectives* (pp. 277-312). Newbury Park, CA: Sage, 2006.

Honorary Professor, University of Science and Technology of China. Hefei, China, 2004.

Beckman Associate, Center for Advanced Study, University of Illinois at Urbana-Champaign, 2003-2004.

Outstanding Research Award, Organizational Communication Division, National Communication Association, 2003.

Honorable Mention, ICA Organizational Communication Redding Dissertation Award Competition, for directing Edward Palazzolo's Dissertation, 2004.

Research Award, Organizational Communication Division, National Communication Association, Book of the Year Award for *Theories of Communication Networks*, co-authored with Peter Monge, 2003.

Outstanding Member Award, Organizational Communication Division, International Communication Association, 2000.

Award for Excellence in Distance Education, Purdue University, 2000.

Incomplete List of Teachers Rated as Excellent by Their Students, University of Illinois, 1987-1998, 2000, 2001-2003.

Institute Gold Medal for outstanding achievement. Indian Institute of Technology, Madras, India, 1983.

National Merit Scholarship, Indian School Certificate, Ministry of Education and Social Welfare, Government of India, 1978.

Top Conference Paper Awards

Top Paper Award, The 3rd International Web Science Conference, 2011.

Top Paper Award, International Communication Association, Organizational Communication Division, 2010.

Carolyn Dexter Award Nominee, Academy of Management Conference, 2010.

International Communication Association, Organizational Communication Division, 2010.

INGRoup - Interdisciplinary Network for Group Research, 2009.

Annual Meeting of the National Communication Association, 2008.
 International Communication Association, Organizational Communication Division, 2000.
 International Communication Association, Organizational Communication Division, 1998.
 International Communication Association, Organizational Communication Division, 1997.
 International Communication Association, Communication and Technology Division, 1993.
 Speech Communication Association, Organizational Communication Division, 1993.
 International Communication Association, Organizational Communication Division, 1988.
 Speech Communication Association, Organizational Communication Division, 1988.

CURRENTLY FUNDED RESEARCH

Oncofertility Consortium through the National Institute of Health (2011). *Oncofertility: The Fertility Preservation for Women* (NIH: 5UL1DE019587), Evaluation Committee.

National Science Foundation: *NetSE: Large: Collaborative Research: Contagion in Large Socio-communication Networks* (2010-2015, 1010904, \$474,711) Principal Investigator.

Army Research Laboratory (subcontract from BBN Technologies): *Integrated Research Center for Network Sciences Collaborative Technology Alliance Army Research Laboratory* (2010-2014, cooperative agreement number W911NF-09-2-0053\$628,905) Investigator.

National Science Foundation: *CDI-Type II: Collaborative Research: Groupscape: Instrumenting Research on Interaction Networks in Complex Social Contexts* (2010-2014, BCS-0940851, \$252,518) Principal Investigator.

Army Research Laboratory (subcontract from University of Illinois Urbana-Champaign): *Information Network Academic Research Center: An Integrated Approach towards Information Integration, Modeling, Retrieval, and Discovery* (2009-2013, \$650,002) Investigator with Principal Investigator Jiawei Han.

National Science Foundation: *Collaborative Research: Coupled Models of Diffusion and Individual Behavior over Extremely Large Social Networks* (2009-2013, 0904356, \$267,201) Principal Investigator.

National Science Foundation: *Supplement to Social Networking Tools to Enable Collaboration in the Tobacco Surveillance, Epidemiology, and Evaluation Network (TSEEN)* (2010-2011, IIS- 0535214, \$150,000). Principal Investigator.

National Institutes of Health/NHRR: *Northwestern University Clinical and Translational Sciences Institute (NU-CATS)* (2008-2013, \$705,711) subcontract from Feinberg School of Medicine. Investigator.

Air Force Research Laboratory (subaward from University of Southern California): *The Virtual World Observatory: Identifying Real World (RW) Characteristics from Virtual Behavior* (2009-2012, contract FA8650-10-C-7010, \$513,836) Investigator with Principal Investigator Dmitri Williams.

National Science Foundation: *VOSS: Understanding and Enabling Network Dynamics in Virtual Communities* (2008-2011, IIS-0838564, \$299,269) Co-Principal Investigator, collaborative proposal with Brian Uzzi and Luis Amaral (Northwestern University), and Peter Monge (University of Southern California).

National Science Foundation: *DHB VirtualWorlds: An Exploratorium for Theorizing and Modeling the Dynamics of Group Behavior* (2007-2010, IIS-0838564, \$620,755) Principal Investigator on collaborative proposal with Scott Poole (University of Illinois at Urbana-Champaign), Jaideep Srivastava (University of Minnesota) and Dmitri Williams (University of Southern California).

Global Philanthropy Project: *Understanding and Enabling Networks to Advance the Chicago Climate Action Plan (CCAP)* (2009-2011, \$100,000) Principal Investigator.

The John D. and Catherine T. MacArthur Foundation: *Mapping, Understanding and Enabling the Digital Media Learning (DML) Knowledge Networks: An Exploratory Investigation* (2007-2011, \$140,000) Principal Investigator.

National Science Foundation: *Collaborative Research: Social Networking Tools to Enable Collaboration in the Tobacco Surveillance Epidemiology, and Evaluation Network (TSEEN)* (2007-2010, 0836262, \$575,624) Principal Investigator.

PREVIOUSLY FUNDED RESEARCH

Army Research Institute: *Virtual World Exploratorium* (2008-2010, **W91WAW-08-C-0106/P00004** \$923,156) Principal Investigator with Scott Poole (University of Illinois), Jaideep Srivastava (University of Minnesota), and Dmitri Williams (University of Southern California).

National Cancer Institute (subcontract from University of Texas Health Science Center, San Antonio TX): *Analysis, Visualization & Interpretation of the Redes en Accion Cancer Network* (2007-2010, \$166,226) Principal Investigator.

National Cancer Institute: *Population Sciences Grid* (2008-2009, 0836262, \$75,000).

National Science Foundation (subcontract from Purdue University): *Network Recommender System for nanoHUB* (2008-2009, \$50,000).

National Science Foundation, ITR: *IT-Based Collaboration Framework for Preparing Against, Responding to, and Recovering from Disasters Involving Critical Physical Infrastructures*, (2004-2009, 0427089, \$2,370,000) Co-Principal Investigator in collaboration with Professors Feniosky Pena-Mora, Gene E. Robinson, and Indranil Gupta (University of Illinois Urbana-Champaign), and Andrea Hollingshead (University of Southern California).

National Institute of Health (subcontract from University of Texas San Antonio): *Mapping, Understanding and Enabling the Redes en Accion Latino Cancer Network* (2007-2008, \$56,000) Principal Investigator.

National Science Foundation: *C-IKNOW Cyberinfrastructure Tools to Enable Knowledge Network Discovery, Diagnosis and Design* (2007-2008, 0753047, \$199,619) Principal Investigator.

National Science Foundation: *Social Networking Tools to Enable Collaboration in the Tobacco Surveillance, Epidemiology, and Evaluation Network (TSEEN)* (2005-2008, IIS- 0535214, \$808,089). Principal Investigator on collaborative proposal with Katy Börner (Indiana University), Tom Finholt (University of Michigan), and Gary Giovino (Roswell Park Cancer Center, Buffalo, NY).

National Cancer Institute (supplement from NCI to NSF): *Tobacco Informatics Grid (TobIG): Development of Prototype to Demonstrate Distributed Collaboration and Data Analysis within the Tobacco Research Community* (2006-2007, IIS-0535214, \$400,000) Principal Investigator.

National Center for Supercomputing Applications: *GroupScope: Instrumenting Research on Interaction of Individuals in Complex Settings* (2006-2007, \$69,347) Principal Investigator on team including Marshall Scott Poole, Feniosky Pena-Mora, KlaraNahrstedt, David Forsyth, and Margaret Fleck.

National Science Foundation: *Instrumenting behaviors and attitudes in virtual worlds* (2005-2006, IIS 06-28036, \$155,851) Co-Principal Investigator on collaborative proposal with Dmitri Williams (University of Illinois at Urbana-Champaign) and Dan Hunter (University of Pennsylvania).

National Science Foundation: *Collaborative Research: Mapping and Analyzing Emergent Multiorganizational networks in the Hurricane Katrina Response* (2005-2006, SBE-0555115, \$140,000) Principal Investigator on collaborative proposal with Carter Butts (University of California, Irvine).

National Cancer Institute (subcontract from Battelle Memorial Institute): *Socio-technical Specifications for the Design of a Cyberinfrastructure for a Tobacco Control Informatics Grid* (2005-2006, \$50,000).

National Science Foundation, Workshop on: *The Role of Social Network Research in Enabling Cyberinfrastructure and the Role of Cyberinfrastructure in Enabling Social Network* held November 3-5, 2005 at the National Center for Supercomputing Applications, University of Illinois at Urbana-Champaign, (2005-2006, SCI-0533892 , \$50,000) Principal Investigator with Co-Principal Investigator Katy Börner (Indiana University).

National Science Foundation: *2006 International Workshop and Conference on Network Science*, held May 2006 at Indiana University, Bloomington, IN. (2005-2006, SES-0532387, \$77,714) Co-Principal Investigator with Laszlo Barabasi (University of Notre Dame), Katy Börner, Alex Vespignani, and Stan Wasserman (Indiana University).

Rockefeller Foundation: *Mapping cultural and network assets in three Chicago communities* (2005, CC 035, \$100,000) Principal Investigator in collaboration with Dr. Alaka Wali (Field Museum, Chicago).

University of Illinois Food Security Initiative: *A Social Network Perspective to Analyze Food Security* (2003-2005, \$60,000) Principal Investigator.

National Science Foundation: *Digital Government: Workshop on US-Hungarian Research Collaborations to Address the Challenges of 21st Century Society*. (2003-2005, 341928, \$97,702) Principal Investigator on collaborative proposal with Anthony Stefanidis (University of Maine).

University of Illinois Silicon, Carbon, Culture Initiative: *Walking through Knowledge Networks* (2003, \$30,000) Principal Investigator on collaborative proposal with Professors Narendra Ahuja and Michael Twidale.

National Science Foundation: *SGER: Knowledge Networks and Emerging Heterarchies in Rebuilding New York*(2002-2003, 02334789,\$42,908) Principal Investigator on collaborative proposal with David Stark (Columbia University).

National Aeronautics and Space Administration: *Modeling 21st Century Project Teams: Integrating Workflow and Knowledge Network Models of Organizing* (2002-2003, No. 02-NASA-C-1513, \$100,000) Principal Investigator on collaborative proposal with Ray Levitt (Stanford University).

European Union Information Society & Technology Program (subcontract from LUISS University, Rome): *Developing web-based knowledge asset mapping tools to study the use of communication technologies in organizations* (2002-2003, €7000) Principal Investigator.

Center for Human Resource Management: *Using Technologies to Support and Enhance Organizational Knowledge Networks* (2002-2003, \$10,000) Principal Investigator with Andrea

Hollingshead.

Hewlett Packard Mobile Initiative Grant Program: *Using mobile technologies* (2001-2002, \$140,760)
Investigator with Principal Investigator Win-Mei W. Hwu.

National Science Foundation: *Co-evolution of Knowledge Networks and 21st Century Organizational Forms: Computational Modeling and Empirical Testing* (1999-2001, 9980109, \$1,500,000)
Principal Investigator.

UIUC Chief Information Officer: *Multi-university course on Communication Technologies and New Forms of Organizing*, (1999-2000, \$10,000) Principal Investigator.

UIUC Educational Technologies Board: *Virtual Digital Portfolio* (1998-1999, \$6,000) Principal Investigator.

Committee on Institutional Cooperation: *A Curriculum in Communication and the Global Workplace* (1998-1999, \$10,000) Principal Investigator.

Steelcase, Inc.: *The Effects of Cooperative and Competitive Physical Environments and Communication on Negotiation Outcomes in Ultimatum and Communication Games* (1996-1998, \$96,586)
Consultant with Principal Investigators: Peter Monge, Janet Fulk, and Arthur Baskin.

National Science Foundation: *The Sustainable Management of Civil Infrastructure: A Methodology and Testbed to Bridge Information Technology and Application* (1994-1998, ECS-9422730, \$1,268,403) Co-Principal Investigator.

Advanced Learning Technologies in Higher Education, University of Illinois: *A Curriculum in Organizational Communication and Technology Applications of Advanced Collaboration Tools to Support Cooperative Learning and Shared Instruction in Communication Studies*, (1997, \$52,600)
Principal Investigator with Barbara O'Keefe.

National Center for Supercomputing Applications, Software Development Group: *Development of a Collaboration Workbench for the NCSA Software Development Group* (1996-1997, \$49,722)
Principal Investigator with Barbara O'Keefe and Patricia Jones.

Machine Tool Agile Manufacturing Research Institute: *Evaluation of a virtual organization* (1996-1997, \$35,000) Principal Investigator with Barbara O'Keefe and Patricia Jones.

Annenberg Center for Communication: *Interactive Communication and Computing for Virtual Work Communities* (1995-1997, \$160,970) Co-Principal Investigator.

UIUC Educational Technologies Board: *Support for Asynchronous Learning Networks in Speech*

Communication (1995-1996, \$5,540) Co-Principal Investigator.

Sloan Center for Asynchronous Learning Environments: *Collaboration Support for Senior Design Teams in Engineering*, (1995-1996, \$56,202) Principal Investigator with Peter DeLisle, Elizabeth Faye, Barbara O'Keefe.

U.S. Department of Education: *Adaptive Network Library Interface* (1991, R197D10033, \$6,000) Co-Principal Investigator.

Apple Computer's Advanced Technology Group: *Modeling the Use of Groupware as a Self-organizing System* (1990, \$205,000) Principal Investigator.

KEYNOTE ADDRESSES AND DISTINGUISHED LECTURES

2011

Contractor, N. (October 24, 2011). *From Understanding to Enabling Networks: Using Web Science to Enhance Recommender Systems* Keynote Address at the [5th ACM Conference on Recommender Systems](#), Chicago, IL.

Contractor, N. (October 11, 2011). *Understanding and Enabling Collaboration in 21st Century Teams* Plenary Address at CIC CIO TechForum, University of Illinois at Urbana-Champaign, Champaign, Illinois.

Contractor, N. (October 7, 2011). *Using Web Science to Understand and Enable 21st Century Multidimensional Networks* Keynote Address at 3rd International Conference on Social Informatics, Singapore.

Contractor, N. (June 8, 2011). Keynote Address at 22nd annual ACM conference on hypertext and hypermedia, Eindhoven, Netherlands.

Contractor, N. (June 2, 2011). Conducting social network analysis at the petascale level: Challenges and Opportunities, Virginia Tech. Contractor, N. (May 23, 2011). Profiting from the New Web Conference, Royal Society in London.

Contractor, N. (May 20-21, 2011). Keynote lecture at Advancing Global Health Decision-Making Conference, Rutgers University, EABIS, Johnson & Johnson.

Contractor, N. (May 16-17, 2011). Keynote address at [VOSS](#) Toward a Science of Virtual Organizations Invitational Workshop, University of Central Florida and the National Science Foundation, Orlando, FL

Contractor, N. (January 24, 2011). [Etmaalvoor de Communicatiewetenschap Keynote Address](#), Universiteit Twente Enschede, Netherlands.

2010

Contractor, N. (Aug 25, 2010). Keynote address at the inauguration of the Brazilian Institute for Web Science, Rio de Janeiro.

Contractor, N. (November 15-16, 2010). [National Communication Association Convention 2010](#), San Francisco, CA.

Contractor, N. (October 11-13, 2010). Social Behavior & Economic Sciences Advisory Committee. Arlington, VA.

Contractor, N. (October 6, 2010). [World Wide Consortium \(W3C\) Conference Keynote](#), Belo Horizonte, Brazil.

Contractor, N. (October 2-4, 2010). [European Science Foundation Meeting](#) on the *Future Internet and Society*, Acquafredda di Maratea, Italy.

Contractor, N. (October 1, 2010). [The EU Meeting of the Social Computer Internet - Scale Human Problem Solving](#), Brussels.

Contractor, N. (September 30, 2010). [Online Social Networks and Smoking Cessation at Schroeder Institute's Legacy Conference](#), Washington, D.C.

Contractor, N. (September 25-29, 2010). [Royal Society 350th Anniversary Conference on Web Science](#), London.

Contractor, N. (September 22-24, 2010). [2nd Annual CTSA Social Network Analysis Workshop](#), Sacramento, CA.

Contractor, N. (September 9, 2010). Launch of the Chinese translation of Monge & Contractor's Theories of Communication Networks – [School of Humanities, Beijing University of Post & Telegraph, \(BUPT\)](#), Beijing, China.

Contractor, N. (September 10, 2010). Launch of the Chinese translation of Monge & Contractor's *Theories of Communication Networks* – Renmin University School of Management, Beijing, China.

Contractor, N. (September 13, 2010). Honorary Professor Lecture – [School of Management Fudan University](#), Shanghai, China.

Contractor, N. (August 21, 2010). [2010 IEEE Second International Conference on Social Computing \(SocialCom\)](#), Minneapolis, MN.

Contractor, N. (August 17, 2010). TISS Seminar - [Tata Institute of Social Sciences](#), India.

Contractor, N. (August 12, 2010). [First Annual National VIVO Conference, Enabling National Networking of Scientists](#), New York, NY.

Contractor, N. (July 21-24, 2010). [GESIS 50th anniversary celebration – Leibniz - Institut für Sozialwissenschaften Institute Day](#), Cologne, Germany.

Contractor, N. (July 12-14, 2010). Workshop on [Socially Coupled Systems & Informatics: Science, Computing & Decision Making in a Complex Interdependent World, 2010](#), Alexandria, VA.

Contractor, N. (June 9-11, 2010). [Lausanne Workshop on Multi-Disciplinary Approach to Complexity, Networks, & Geosimulations](#), University of Lausanne, Lausanne, Switzerland.

Contractor, N. (June 1, 2010). [Extended Semantic Web Conference - ESWC2010](#), Heraklion, Greece.

Contractor, N. (May 26, 2010). [Information Science Network Academic Research Center \(INARC\) Monthly Seminar](#)

Contractor, N. (April 29, 2010). Network Business Initiative Special Seminar – Harvard Business School, Boston, MA.

Contractor, N. (April 22, 2010). [Science of Team Science Conference](#), Chicago, IL.

Contractor, N. (April 16, 2010). [Pennsylvania State Network Science Day](#), University Park, PA.

Contractor, N. (April 10, 2010). [ASIST Research Data Access and Preservation Summit Program, Legal and Social Implications of Shared Collections](#), Phoenix, AZ.

Contractor, N. (March 31, 2010). [2010 International Conference on Social Computing, Behavioral Modeling, and Prediction](#), Bethesda, MD.

Contractor, N. (March 8, 2010). [Why Study the Web? Social Machines and the Virtual Revolution](#), Panel at the Royal Society, London.

Contractor, N. (February 19, 2010). [International Seminar on Network Theory](#), Los Angeles, CA.

2009

Contractor, N. (December 15, 2009). *Social Media and Government* at Digital Government Society of North America, Washington, D.C.

Contractor, N. (November 13, 2009). 2nd Meeting on Methodology for Empirical Research on Social Interactions, Social Networks and Health, Harvard University, Cambridge, MA.

Contractor, N. (November 12, 2009). Lance Armstrong Foundation, Young Adult Alliance *Building bridges and collaborations*, annual meeting, Austin, TX.

Contractor, N. (November 4, 2009). Booth School of Business Colloquium, University of Chicago, Chicago, IL.

Contractor, N. (October 24, 2009). International NSF Workshop on Connected Multimedia, Hangzhou, China.

Contractor, N. (October 8, 2009). Mary Junck Research Colloquium, University of North Carolina, Chapel Hill, NC.

Contractor, N. (May 11, 2009). Domain Dinner on Team Science, Northwestern University, Evanston, IL.

Contractor, N. (April 25, 2009). Annual Meeting on the Society of Behavioral Medicine, Montreal, Canada.

Contractor, N. (April 24, 2009). *Studying Society in a Digital World*, Princeton University, Princeton, NJ.

Contractor, N. (April 17, 2009). *YouTube and the 2008 Election Cycle in the United States*, Amherst, MA.

Contractor, N. (March 24, 2009). *Global Technologies and Networked Communities* panel at the Opening Ceremony of the NU-Qatar campus, Doha, Qatar.

Contractor, N. (March 20, 2009). Web Science 2009: Celebrating the 20th anniversary of the Web, Athens, Greece.

Contractor, N. (March 3, 2009). Dean's Seminar Series, McCormick School of Engineering, Northwestern University, Evanston, IL.

Contractor, N. (February 20, 2009). Mardi Gras Conference 2009, *Virtual Worlds: New Realms for Culture, Creativity, Commerce, Computation and Communication*, Baton Rouge, LA.

Contractor, N. (February 2, 2009). Annual National Science Foundation Engineering Education Awardees Conference, Reston, VA.

2008

Contractor, N. (November 6, 2008). Keynote speaker at Milan World Expo 2015 launch, Milan, Italy.

Contractor, N. (2008) Chinese Academy of Sciences.

Contractor, N. (2008) Cyberwarfare, Conference to launch the US cyber command.

Contractor, N. (2008) Supernova, conference for high-tech digerati.

2007

Contractor, N. (2007) Australian National Digital Collections Conference.

2006

Contractor, N. (June 29, 2006). Keynote address: [*From Disasters to WoW: Enabling Communities with Cyberinfrastructure*](#) at the 2nd International e-Social Science Conference, Manchester, UK.

Contractor, N. (May 1, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. Van Zelst Distinguished Lecture, Northwestern University, Evanston, IL.

Contractor, N. (February 2, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. Walter Fisher Distinguished Lecture, Annenberg School of Communication, USC, Los Angeles, CA.

2005

Contractor, N. (October 7, 2005). Keynote address: *Social Networks & Organizing*. 18th Annual Organizational Communication Miniconference, Athens, OH.

Contractor, N. (September 15, 2005). Keynote Address: *Social Networks and Distributed Communities of Practice*. Workshop on Sustaining Distributed Communities of Practice at the

International Centre for Governance and Development, University of Saskatchewan, Saskatoon, Canada.

Contractor, N. (June 14, 2005). Keynote address: *Socio-technical challenges in designing 21st cyberinfrastructure to enable networks in communities* at the 2nd International Communities & Technologies conference, Milan, Italy.

2003

Contractor, N. (November 14, 2003). Keynote address: *Emergence of Communication Networks in the 21st Century* at the inauguration of CITÉ de l'Université de Montréal - Interdisciplinary Research Centre on Emerging Technologies at the [University of Montreal](#), Montreal, Canada.

Contractor, N. (October 17, 2003). *Communication Technology in Organizations*. Università Cattolica del Sacro Cuore, Milan, Italy.

Contractor, N. (June 11, 2003). Keynote address: [Co-evolution of Multi-dimensional Networks: Multi-level Network Analysis of the co-operation between firms](#), University of Surrey, Surrey, United

2002

Knowledge networks Contractor, N. (April 22, 2002). *The power of the network: Technology and new organizational forms*. Keynote address at the National Laboratory of Tourism and e-commerce Forum on Technology and Change, Urbana, IL.

2001

Contractor, N. (May 2, 2001). *Collaborative knowledge in the e-Economy*. Keynote address to Workshop on [Collaborating in the e-Economy: Legacies, Practices, and Prospects](#) hosted by the University of Technology, Sydney, Australia.

Contractor, N. (April, 2001). [The use of technologies to support and reconfigure Human Resource functions in 21st century organizational forms](#). Featured Speaker, at the Spring Roundtable on Human Resource Management and the Web: Evolution or Revolution? Center for Human Resource Management, Oak Brook, IL.

2000

Contractor, N. (August, 2000). [Communication through knowledge networks and the future of organizational structures](#). Keynote address, Association of Indiana Convention and Visitors Bureau 2000 Annual Educational Conference, Merrillville, IN.

Contractor, N. (February, 2000). [*Emergence of communication networks: A self-organizing systems perspective*](#). Keynote address, meeting of the Finnish Speech Communication Association, Helsinki, Finland.

1999

Contractor, N. (July, 1999). *Social capital and knowledge capital in network forms of organizing*. Keynote address, Laboratorio di Knowledge Management: Ilcontributodelletecnologie al knowledge management. Workshop organized by Istituto RSO (Institute for Action Research on Organizations and Systems). Sede Fiat, Centro Incontini, Marentino, Torino, Italy.

Contractor, N. (June, 1999). *Using technologies to build productive relationships*. Keynote address, McKinsey & Co.'s "Mini-Oxford." British Library Conference Centre, London.

Contractor, N. (April, 1999). *Self-organizing systems research in the social sciences*. Keynote address, Texas Conference on Organizations, Kerrsville, TX.

Contractor, N. (February, 1999). *Communication skills in the 21st century*. Keynote address, The Communication Conference: Setting the Standards for the 21st Century, hosted by McKinsey & Co.'s Global Client Communications Practice, Berlin, Germany.

1998

Contractor, N. (August, 1998). Keynote speaker: Orientation for International Teaching Assistants, UIUC Office for Instructional Resources, Urbana, IL.

1996

Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Keynote address to the spring 1996 Training Day Workshop of the UIUC Computer Consultants Support Program (CCSP), Urbana, IL.

DISSERTATION

Dynamic reformulation of perceptions of inequity: Their organizational antecedents and outcomes. Ph.D dissertation, 1987, University of Southern California (Peter Monge, Advisor).

PUBLICATIONS

For more information on publications or online password access please contact nosh@northwestern.edu.

Books

Monge, P. R., & Contractor, N. (2003). *Theories of Communication Networks*. New York: Oxford University Press.

[Prospectus & Preface](#)

[Preface](#)

[Acknowledgements](#)

[Chapter 1: Networks and Flows in Organizational Communication](#)

[Chapter 2: Network Concepts, Measures, and Analytic Techniques](#)

[Chapter 3: Communication and Knowledge Networks as Complex Systems](#)

[Chapter 4: Computational Modeling of Networks](#)

[Chapter 5: Theories of Self-interest and Collective Action](#)

[Chapter 6: Contagion, Semantic and Cognitive Theories](#)

[Chapter 7: Exchange & Dependency Theories](#)

[Chapter 8: Homophily, Proximity, and Social Support Theories](#)

[Chapter 9: Evolutionary and Coevolutionary Theories](#)

[Chapter 10: Multitheoretical, Multilevel Models of Communication and Other Organizational Models](#)

[References](#)

[Subject Index](#)

[Author Index](#)

Contractor, N. (2002). Section Editor for “[New Media and Organizing](#)” for In L. Lievrouw & S. Livingstone (Eds.) *Handbook of New Media: Social Shaping and Consequences of ICTs*. London: Sage.

Steinfeld, C., Pentland, B. T., Ackerman, M., & Contractor, N. (Eds.) (2007). *Communities and Technologies 2007: Proceedings of the Third Communities and Technologies Conference*. London: Springer London.

Journal Articles

Wang, J., Huffaker, D.A., Treem, J. W., Fullerton, L., Ahmad, M. A., Williams, D., Poole, M.S., and Contractor, N. (2011). [Focused on the prize: Characteristics of experts in massive multiplayer online games](#). *FirstMonday*, 16(8).

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SOFTWARE DEVELOPMENT

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- Contractor, N. (2009). Understanding and enabling team assembly. 2nd Annual International Science of Team Science Conference, Chicago.
- Contractor, N. (2009). Presenter at the Doctoral Consortium for the Organizational Communication Division of the International Communication Association (ICA).
- Castronova, E., Williams, D., Huang, Y., Shen, C., Keegan, B., Ratan, R. A., Xiong, L., & Contractor, N. (2009). *As Real As Real? Macroeconomic Behavior in a Large-Scale Virtual World*, the 59th Annual Conference of the International Communication Association, Chicago, IL.
- Ahmad, M. A., Keegan, B., Srivastava, J., Williams, D., & Contractor, N. (2009). *Mining for Gold Farmers: Automatic Detection of Deviant Players in MMOGS*. Paper presented at the Symposium on Social Intelligence and Networking (SIN-09), Vancouver, Canada.
- Foucault, B., Zhu, M., Huang, Y., Atrash, Z., & Contractor, N. (2009). *Will you be my friend? An exploration of adolescent friendship online in Teen Second Life*, 59th Annual

- Conference of the International Communication Association (ICA2009), Chicago, IL.
- Foucault, B., & Markov, A. (2009). *Teens and communication technology: The co-construction of privacy and friendship in mediated communication*, 59th Annual Conference of the International Communication Association (ICA2009), Chicago, IL.
 - Huang, Y., Shen, C., & Contractor, N. (2009). *The Role of Proximity and Homophily in Virtual World Networks*, Sunbelt XXIX: International Sunbelt Social Network Conference, San Diego, CA.
 - Huang, Y., Shen, C., & Contractor, N. (2009). *Virtually There: Exploring Proximity and Homophily in A Virtual World*, the Fourth Annual INGRoup Conference, Colorado Springs, CO.
 - Huang, Y., Shen, C., Williams, D., & Contractor, N. (2009). *Virtually There II: Exploring Proximity and Homophily in a Virtual World*. Paper presented at the Symposium on Social Intelligence and Networking (SIN-09), Vancouver, Canada.
 - Huang, Y., Yao, Y., & Contractor, N. (2009). *Using p*/ERGM Techniques to Implement a Multitheoretical Multilevel Network Recommender System*, Sunbelt XXIX: International Sunbelt Social Network Conference, San Diego, CA.
 - Huang, Y., Zhu, M., Keegan, B., Wang, J., Shen, C., Pathak, N., & Contractor, N. (2009). *The Formation of Combat Groups in Online Games*, the Fourth Annual INGRoup Conference, Colorado Springs, CO.
 - Huang, Y., Zhu, M., Wang, J., Pathak, N., Shen, C., Keegan, B., Williams, D., & Contractor, N. (2009). *The Formation of Task-oriented Groups: Exploring Combat Activities in Online Games*. Paper presented at the 2009 IEEE International Conference on Social Computing (SocialCom-09), Vancouver, Canada.
 - Su, C., Huang, M., & Contractor, N. S. (2009). *Understanding the Structures, Antecedents, and Outcomes of Organizational Learning and Knowledge Transfer: A Multi-Theoretical and Multilevel Network Analysis*, International Communication Association 59th Annual Conference, Chicago, IL.
 - Wang, J., & Contractor, N. (2009). *Knowledge Seeking and Provision in Work Teams Across Multiple Knowledge Areas: A Network Formulation to Test and Extend Transactive Memory Theory.*, Top Paper Award at the Fourth Annual INGRoup Conference, Colorado Springs, CO.
 - Wang, J., Huffaker, D. A., Treem, J. W., Fullerton, L., Ahmad, M. A., Poole, M. S., & Contractor, N. S. (2009). *Focused on the Prize: Characteristics of Experts in Virtual Worlds*, the 59th Annual Conference of the International Communication Association, Chicago, IL.
 - Zhu, M., & Contractor, N. (2009). *Work and Life: The Role of Networks in Emergency Response Organizations*, the 59th Annual Conference of the International Communication Association, Chicago, IL.

2008

- Whitbred, R., Fonti, F., Contractor, N., & Steglich, C. (November, 2008). *From micro-*

actions to macro-structure: A structural approach to the evolution of organizational networks. Top Paper Award at the 94th Annual Meeting of the National Communication Association, San Diego, CA.

- Huang, Y., & Contractor, N. (2008). *Mirror or a Second Life: Friendship and Groups in the Virtual World*, INFORMS Annual Meeting 2008, Washington, D.C.
- Contractor, N. (2008). *Using Tobacco Research as an Exemplar Domain for a Population Sciences Initiative on the Grid: PopSciGrid- Putting NHIS and HINTS Data on the caGrid*, caBIG 5th Annual Meeting, Washington, D.C.
- Huang, Y., & Contractor, N. (2008). *Recommender Systems Based on Social Drivers*, INFORMS Annual Meeting 2008, Washington, D.C.
- Huang, Y., Contractor, N., & Yao, Y. (2008). *C-IKNOW: recommendation based on social networks*. Paper presented at the Proceedings of the 2008 international conference on Digital government research, Montreal, Canada.
- Huang, Y., Contractor, N., & Yao, Y. (2008). *C-IKNOW: recommendation based on social networks*, Poster in the 2008 international conference on Digital government research: 27-33. Digital Government Society of North America, Montreal, Canada.
- Huang, Y., Yao, Y., & Contractor, N. (2008). *Cyberinfrastructure Knowledge Networks on the Web (CIKNOW)*, Sunbelt XXVIII: International Sunbelt Social Network Conference, ST. Pete Beach, FL.
- Zhu, M., & Contractor, N. (2008). *The Role of Networks in the Emergency Response Organizations*, INFORMS Annual Meeting 2008, Washington, D.C.
- Zhu, M., & Contractor, N. (2008). *Socio-Technical P2P Network for First Responders*, Award-winning Student Poster Presenter, Complexity Conference, Northwestern Institute on Complex Systems (NICO), Evanston, IL.

2007

- Contractor, N. (April 19, 2007). *Theorizing social processes in multidimensional networks*. Symposium on Network Science: New Directions following the National Academy of Science/National Research Council report organized by the Army Research Institute and hosted by the U.S. Military Academy, West Point, NY.
- Contractor, N. (March 29, 2007). *MTML meets Web 2.0*. Symposium on Self-organizing Networks and Communities, Cornell University, Ithaca, NY.
- Contractor, N. (February 8, 2007). *Science of networks in communities related the future of digital learning and media*. MacArthur Foundation, Chicago, IL.
- Contractor, N. (January 29, 2007). *Semantic Web and social network analysis*. Open Grid Forum workshop on Semantic Web, Social Networks & Web 2.0, Chapel Hill, NC.

2006

- Green, H. D., Contractor, N., & Yao, Y. (December 13, 2006). *C-IKNOW: Cyberinfrastructure Knowledge Networks on the Web. A Social Network Enabled Recommender*

System for Locating Resources in Cyberinfrastructures. Poster presented at the annual meeting of the American Geophysical Union, San Francisco, CA.

- Minsker, B., Myers, J., Marikos, M., Wentling, T., Downey, S., Liu, Y., Bajcsy, P., Kooper, R., Marini, L., Contractor, N., Green, H., Yao, Y., & Futrelle, J. (November 15, 2006). *Environmental Cyberinfrastructure Demonstration Project: Creating Cyberenvironments for Environmental Engineering and Hydrological Science Communities*. Paper presented at Supercomputing 2006 (SC 06), Tampa, FL.
- Ostergaard, J., Wali, A., Contractor, N., Green, H. D., Mason, S., Severson, R. & McClure, H. (November 12, 2006). *Artistic, Cultural and Social Network Assets of Recent Mexican Immigrants in Chicago*. Paper presented at the annual meeting of the Association of Collegiate Schools of Planning, Fort Worth, TX.
- Contractor, N. (August 21, 2006). *Social network methods and tools to advance public health*. Invited lecture at National Institutes of Health Road Map Summit on Methodology & Technology, Rockville, MD.
- Contractor, N., Butts, C., Harper, S., & Auvil, L. (August 17, 2006). *Mapping and Analyzing Emergent Multi-Organizational Networks in the Hurricane Katrina Response*. Invited paper at the NSF Conference on “Methods for the Study of Social Networks during Disasters” Crystal City, VA.
- Contractor, N. (June 19, 2006). Panelist on *The Network Society and Evolving Communication Theory* at the Annual convention of the International Communication Association, Dresden, Germany.
- Contractor, N. (May 1, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. Van Zelst Distinguished Lecture. Northwestern University, Evanston, IL.
- Palazzolo, E., Leenders, R., & Contractor, N. (April 30, 2006). *Multilevel Modeling of Retrieval Behaviors in Transactive Memory Networks*. Paper presented at the Annual Social Network Sunbelt Conference, Vancouver, Canada.
- Wotal, B., Green, H., Williams, D., & Contractor, N. (April 28, 2006). *WoW!: The dynamics of knowledge networks in Massively Multiplayer Online Role Playing Games (MMORPG)*. Paper presented at the Annual Social Network Sunbelt Conference, Vancouver, Canada.
- McClure, H., Wali, A., Severson, R., Green, H. & Contractor, N. (April 27, 2006). *Ethnography and Social Network Analysis as Complimentary Methodologies for the Study of Artistic, Cultural and Networking Practices among Recent Mexican Immigrants in the Chicago Metropolitan Area*. Paper presented at the Annual Social Network Sunbelt Conference, Vancouver, Canada.
- Contractor, N. (April 25, 2006). *Enabling knowledge networks in Communities of Practice*. 2006 Communities of Practice Network (CoPNet) Symposium. Procter & Gamble, Cincinnati, OH.
- Pathak, N., Mane, S., Srivastava, J., & Contractor, N. S. (April 21, 2006). *Knowledge Perception Analysis in a Social Network*. Workshop on Link Analysis, Counter-Terrorism and Security, at the 6th SIAM International Conference on Data Mining (SDM 06) Bethesda, MD.

- Contractor, N. (April 19, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. NASA Goddard Information Science & Technology Colloquium Series. Goddard Space Flight Center, Greenbelt, MD.
- Contractor, N. (April 10, 2006). *Mapping Knowledge Networks: The Case of the Santa Barbara Forum*. 2006 Santa Barbara forum on Digital Transitions: Social Collaboration & Dynamic Communities, Santa Barbara, CA.
- Contractor, N. (April 4, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. <mms://video.dis.purdue.edu/general/noshircontractor.wmv>, Purdue University, Hammond, IN.
- Contractor, N. (March 8, 2006). *Social networks theory and practice in public health*. Invited panel on “Social networks and public health” at the annual meeting of the American Academy of Health Behavior.
- Contractor, N. (February 2, 2006). *From Disasters to WoW: Enabling Communities with Cyberinfrastructure*. Walter Fisher Distinguished Lecture, Annenberg School of communication, USC, Los Angeles, CA.

2005

- Contractor, N. (December 8, 2005). *Using Cyberinfrastructure to enable social networks in public health*. Annual meeting of the Tobacco Harm Reduction Network, Boston, MA.
- Contractor, N. (November 17, 2005). *Network building for e-governance*. Panel on e-Governance in Developing Countries at the World Summit on Information Society, Tunis, Tunisia.
- Contractor, N. (October 28, 2005). *Utilizing social network analysis to understand transnational advocacy networks*. Ford foundation forum on “Transnational Advocacy in Communication and Information Policy” New York, NY.
- Contractor, N. (October 7, 2005). Keynote address: *Social Networks & Organizing*. 18th Annual Organizational Communication Miniconference, Athens, OH.
- Contractor, N. (September 15, 2005). Keynote Address: *Social Networks and Distributed Communities of Practice*. Workshop on Sustaining Distributed Communities of Practice at the International Centre for Governance and Development, University of Saskatchewan, Saskatoon, Canada.
- Contractor, N. (August 22, 2005). *European e-Government research seen from the outside*. Panel of International Digital Government Research, Copenhagen, Denmark.
- Contractor, N. (June 30, 2005). *Analysis of social networks in digital government*. National Infrastructure for Community Statistics (NICS) Community of Practice Research Symposium. Brookings Institute, Washington, D.C.
- Contractor, N. (June 24, 2005). *International collaboration in e-Science*. Panel at the 1st International e-social science. Manchester, UK.
- Contractor, N. (June 14, 2005). Keynote address: *Socio-technical challenges in designing 21st cyberinfrastructure to enable networks in communities* at the 2nd International Communities

- & Technologies conference, Milan, Italy.
- Contractor, N. (June 13, 2005). *Social networks and local governments*. eGovernance Catalonia Forum '05: Public Administration in the Age of the Internet. Barcelona, Spain. <http://www.gencat.net/forum-egovernance/2005/eng/programa.htm>
 - Contractor, N. (May 26, 2005). *Maximizing the opportunities and funding for international research*. Organizational Communication Doctoral Consortium on "Research and Teaching in the Global Context." Annual Convention of the International Communication Association, New York, NY.
 - Contractor, N. (May 2, 2005). [*Co-evolution of knowledge networks and 21st century forms of organizing*](#). [MeshForum 2005](#), [Audio version](#) of presentation featured under IT conversations: <http://www.itconversations.com/shows/detail235.html> Chicago, IL.
 - Contractor, N. (April 28, 2005). [*Co-evolution of knowledge networks and 21st century cyberinfrastructure*](#). Invited luncheon speaker at the [Centers of Excellence in Cancer Communication Research Grantees Meeting](#), St. Louis, MO.
 - Contractor, N. (April 25, 2005). [*Co-evolution of knowledge networks and 21st century cyberinfrastructure*](#). [Indiana University's Talk Series on Networks and Complex Systems](#). Bloomington, IN. <http://vw.indiana.edu/talks-spring05/>
 - Contractor, N. & Schiller, D. (April 22, 2005). *Age of Networks: Social, cultural and technological connections*. Colloquium hosted by UIUC Department of Speech Communication, Urbana, IL.
 - Contractor, N., Green, H., & Aronson, E. (April 21, 2005). *Mapping cultural and network assets in three Chicago communities*. UIUC Community Informatics Series, Champaign, IL. http://www.inquiry.uiuc.edu/ilabs/edit_list.php?cilid=814&listid=996
 - Contractor, N. (April 18, 2005). *Co-evolution of knowledge networks and 21st century organizational forms*. [UIUC College of Education Seminar Series](#), Champaign, IL.
 - Contractor, N. (April 15, 2005). *Networks in the public interest*. [UIUC transnational seminar series](#), Urbana, IL.
 - Contractor, N. (April 5, 2005). [*Co-evolution of knowledge networks and 21st century organizational forms*](#). [UIUC Center for Global Studies](#), Champaign, IL.
 - Contractor, N. (March 28, 2005). [*Co-evolution of knowledge networks in 21st century organizational forms*](#). [15th Annual Wayne Thompson Distinguished Lecture at Western Illinois University](#), Macomb, IL.
 - Contractor, N. (March 23, 2005). *Co-evolution of knowledge networks in 21st century organizational forms*. Colloquium at the Rotterdam School of Management, Erasmus University, Rotterdam, Netherlands.
 - Contractor, N. (March 21, 2005). [*Co-evolution of knowledge networks in 21st century organizational forms*](#). Symposium organized by the Fundación Centro Internacional de Formación Financiera at the University de Alcala, Madrid, Spain.
 - Contractor, N. (March 18, 2005). *ICT support in emergency management*. [Eastern Europe eGov 2005](#), Budapest, Hungary.
 - Contractor, N. (March 14, 2005). *ICT support in emergency management*. Keynote address at the [eGovernment der Oesterreichischen Computer Gesellschaft conference](#), Vienna,

Austria.

- Contractor, N. (March 1, 2005). *Social network concepts & metrics*. Guest lecturer in course titled "Visualizing & Navigating Knowledge Networks" offered by UIUC's Department of Electrical & Computer Engineering and Graduate School of Library & Information Science, Urbana, IL.
- Contractor, N. (March, 2005). *Cyberinfrastructure for the Social Sciences*. NSF Workshop panel at Airline Center, Warrenton, VA.
- Contractor, N., Wali, A., & Severson, R. (February 25, 2005). *Mapping cultural and network assets in three Chicago communities*. Rockefeller foundation workshop on Cultural dimensions of transnational communities: Understanding and mapping cultural networks and assets, New York, NY.

2004

- Contractor, N. (December 30, 2004). *p* Statistical models for testing multi-theoretical multilevel (MTML) network hypotheses*. International Conference on the Future of Statistical Theory, Practice and Education, Hyderabad, India.
- Contractor, N. (December 3, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Nanyang Technological University, Singapore.
- Contractor, N. (December 1, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. United Nations University, Macau, China.
- Contractor, N. (November 30, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Department of Communication, City University of Hong Kong, Hong Kong.
- Contractor, N. (November 24, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Visiting Professor Distinguished Lecture. University of Science and Technology of China, Hefei, China.
- Contractor, N. (November 22, 2004). *Co-evolution of knowledge networks in 21st century organizational forms*. Department of Communication, Peking University, Beijing, China.
- Contractor, N. (November 20, 2004). *The role of networks in crisis management*. 4th Asia-Pacific Symposium on Press and Scientific and Social Progress: Science-Technology, Media & Major Crisis Management, Beijing, China.
http://www.nationalpress.org/usr_doc/Agenda_for_APSP_2004.doc
- Contractor, N. (November 18, 2004). *Visioning a cyberinfrastructure for transnational digital government research*. EU-US electronic government research collaboration meeting, Technical University of Delft, Delft, Netherlands.
- Contractor, N., Brandon, D., Huang, M., Palazzolo, E., Steinley, D., Su, C. Suri, V. R., Swarbrick, S. A., Templin, J., Wasserman, S. (November 13, 2004). *Extensions to information retrieval in transactive memory systems*. Paper presented at the Annual Convention of the National Communication Association, Chicago, IL.
- Contractor, N. (October 29, 2004). *Challenges, opportunities, and strategies for fostering transnational collaboration on e-Government research: The Budapest Workshop*. [EU/NSF](#)

[collaboration on digital government research](http://www.echallenges.org/2004/default.asp). E.2004 eChallenges, Vienna, Austria.
<http://www.echallenges.org/2004/default.asp>

- Contractor, N. (October 9, 2004). Closing Panel. *The agent 2004 conference on social dynamics: Interaction, reflexivity and emergence*. University of Chicago, Chicago, IL.
- Contractor, N. (September 24, 2004). *Using technologies to support and enhance organizational knowledge networks*. [Center for Human Resource Management \(CHRM\) Roundtable on Communication Strategies to Drive Results](#), Oak Brook, IL.
- Contractor, N. (September 22, 2004). *Role of knowledge networks in fostering community*. UIUC's Cross-campus initiative on the Ethnography of the University, Urbana, IL.
<http://www.eotu.uiuc.edu/>
- Contractor, N. (August 31, 2004). *Challenges, opportunities, and strategies for fostering transnational collaboration on e-Government research*. [NSF-Delegation panel on eGovernment research in the US](#). eGov 2004, Zaragoza, Spain.
- Contractor, N. (May 28, 2004). *Network theory and small groups*. In a panel titled "Theories of Small Groups: Integrative Perspectives." Annual convention of the International Communication Association, New Orleans, LA.
- Contractor, N. (May 18, 2004). *Coevolution of knowledge networks and 21st century organizational forms*. [Plenary lecture at the 2004 Understanding Complex Systems: Networks conference](#), Urbana, IL. <http://www.how-why.com/ucs2004/schedule.html>
- Contractor, N. (May 14, 2004). *Principles of network management*. Invited presentation at the "[Connect and Develop: Managing Networks of Innovation](#)," Mack Center for Technological Innovation at the Wharton School of Management, University of Pennsylvania, Philadelphia, PA.
- Su, C., Steinley, D., Klein, K. J., & Contractor, N. (May 11, 2004). *Co-evolution of team members' attachment to the team and team interpersonal networks*. [Symposium on dynamics of network and behavior](#), Portorož, Slovenia.
- Contractor, N. (May 7, 2004). *Theories of communication networks*. Invited presentation jointly sponsored by the University of Trieste's Faculty of Communication Sciences and Faculty of Economics and Statistics, Trieste, Italy.
- Contractor, N. (April 30, 2004). *Designing knowledge networks for organizational change*. Invited keynote speaker at the "Network of Networks" meeting at the National Institutes of Health, Rockville, MD.
- Contractor, N. (April 24, 2004). *Coevolution of knowledge networks and policy formation in 21st century organizational forms*. Invited presentation at the "Voice and citizenship: Rethinking theory and practice in political communication" symposium. Organized by the Department of Communication, University of Washington, Seattle, WA.
- Contractor, N. (April 2, 2004). *How policy shapes networks and networks shape policy*. Institute for Communication Research/Ford Policy Series, University of Illinois at Urbana-Champaign, Champaign, IL.
- Contractor, N. (March 24, 2004). *Multi-theoretical multilevel models to study the co-evolution of knowledge networks*. Invited presentation jointly sponsored by the Central European University's Departments of Sociology and Psychology, Budapest, Hungary.

- Contractor, N. (March 5, 2004). *Coevolution of knowledge networks in 21st century organizational forms*. Department of Marketing Proseminar, University of Illinois at Urbana-Champaign, Champaign, IL.
- Contractor, N. (March 3, 2004). *Enabling entrepreneurial networks*. Coleman Entrepreneurship Center, DePaul University, Chicago, IL.

2003

- Contractor, N. (December 5, 2003). *Using social network analysis to leverage tobacco control networks*. U.S. National Cancer Institute, Bethesda, MD.
- Contractor, N. (December 2, 2003). Participant, Panel on *Modeling al-Qa'ida*. Sponsored by U.S. Government, Washington, D.C.
- Contractor, N. (November 25, 2003). *Networks in the interest of society*. Center for Information Technology Research in the Interest of Society, University of California at Berkeley, Berkeley, CA. <http://www.citris.berkeley.edu/>
- Contractor, N. (October 23, 2003). *Challenges and opportunities for international collaboration on information society and technology*. E2003, Annual Conference of the European Union Information Society and Technology Program, Bologna, Italy.
- Contractor, N. (October 20, 2003). *Multi-theoretical multilevel models for the study of knowledge networks*, Bocconi University, Milan.
- Contractor, N. (October 12, 2003). *Social network application in data mining*. Data Mining 2003 Conference, Las Vegas, NV.
- Contractor, N. (August 3, 2003). Facilitator, Professional Development Workshop on *Knowledge networks and 21st century organizational forms* at the Annual Convention of the Academy of Management, Seattle, WA.
- Contractor, N. (June 5, 2003). *Defense Science and Technology*, laboratory talk, Farnborough, Hampshire, United Kingdom.
- Contractor, N. (May 24, 2003). Roundtable participant. [*Integrating the theoretical and the practical: The KDI Story*](#). Annual convention of the International Communication Association, San Diego, CA.
http://convention.allacademic.com/ica2003/session_info.html?c_session_id=290&dtr_id=14
- Contractor, N. (May 18, 2003). *Developing a socio-technical research agenda for international digital government*. In a session titled "[Challenges and Opportunities in International Digital Government Research](#)" at the Digital Government 2003 Conference, University of Southern California, Los Angeles, CA. http://www.dgrc.org/dgo2003/program/schedule_text.jsp#2a
- Contractor, N. (April 25, 2003). *Multi-theoretical multi-level models for the emergence of knowledge networks*. Leeds School of Business, University of Colorado at Boulder, CO.
- Contractor, N. (March 26, 2003). *Networks vs. Hierarchy: Implications for learning & development*. Chief Learning Officers Forum sponsored by Executive Development Associates, Atlanta, GA.

- Contractor, N. (March 4, 2003). *Electronic surveillance and the “dual-effects” hypothesis*. Guest lecture, Professor Christian Sandvig’s course titled “Internet Policy,” Urbana, IL.
- Contractor, N., Huang, M., Palazzolo, E., Steinley, D., Su, C., Suri, R., Swarbrick, A., & Templin, J. (February 17, 2003). *Multi-Theoretical Multi-Level (MTML) models for understanding the emergence of knowledge networks*. Paper presented at American Association for the Advancement of Science session on Social Networks, Science, & Society, Denver, CO.
- Monge, P. R., & Contractor, N. (February 15, 2003). *Coevolutionary principles for 21st century organizational networks*. [Paper presented at Sunbelt XXIII International Conference on Social Networks](#), Cancun, Mexico.
- Contractor, N., Huang, M., Palazzolo, E., Steinley, D., Su, C., Suri, R., Swarbrick, A., & Templin, J. (February 13, 2003). *Multi-Theoretical Multi-Level (MTML) Models for understanding the emergence of knowledge networks*. Paper presented at Sunbelt XXIII session on Social Networks, Science, & Society, Cancun, Mexico.
- Contractor, N. (January 8, 2003). *Leveraging knowledge networks in a global economy*. Tata International Ltd., Mumbai, India.

2002

- Contractor, N. (December, 20, 2002). Participant in a roundtable discussion on *Criteria for credit in a collaborative world*. UIUC Center for Advanced Study, Urbana, IL.
- Contractor, N. (November 11, 2002). *Designing networks of excellence*. [European Research 2002 Conference](#): The European Research Area and the Framework Programme, Brussels, Belgium. http://europa.eu.int/comm/research/conferences/2002/forum-monday-pm_en.html
- Contractor, N., & Monge, P. R. (November 8, 2002). *Using multi-theoretical multilevel models to study adversarial networks*. National Academy of Sciences Symposium on Dynamic Social Network Analysis, Washington, D.C.
- Contractor, N. (November 4, 2002). *Co-evolution of knowledge networks and 21st century organizational forms*. [National Center for Digital Government Seminar Series](#), Kennedy School of Government, Harvard University, Cambridge, MA. <http://www.ksg.harvard.edu/digitalcenter/events.htm>
- Contractor, N. (November 1, 2002). *Multi-theoretical multi-level models (MTML) for understanding the emergence of knowledge networks*. [MIT Organizational Studies Group Seminar Series](#), Cambridge, MA. http://web.mit.edu/sloan/osg-seminar/f02_docs/index.html
- Contractor, N. (October 31, 2002). *Role of knowledge networks in fostering community*. International conference on “Virtual Reality and Ethics” at the University of Illinois at Urbana-Champaign, Urbana, IL.
- Contractor, N., Patel, S., & Mincyte, D. (October 23, 2002). [University of Illinois sandbox project](#). Hewlett Packard University Mobile Technology Solutions Conference, Palo Alto, CA. http://government.hp.com/docs/UI_UC.ppt.

- Contractor, N. (October 18, 2002). *Challenges and opportunities in EU-US research collaborations*. e2002: eBusiness and e-Work conference, sponsored by European Union Information Society Technology Program, Prague, Czech Republic.
- Contractor, N. (October 11, 2002). Respondent to Kathleen Carley's presentation titled "Simulating Society: The Tension between Transparency and Veridicality." Agent 2002 conference jointly hosted by Argonne National Laboratory and University of Chicago, Chicago, IL.
- Contractor, N. (September 25, 2002). *Constructing knowledge networks*. Brown bag series of the Office for Information Management, College of Commerce and Business Administration, University of Illinois at Urbana-Champaign, Champaign, IL.
- Carley, K., Borgatti, S., & Contractor, N. (September 11, 2002). *Coordinating response to complex dynamic problems involving network information*. Workshop on "Managing knowledge intensive dynamics systems", co-sponsored by the National Science Foundation and the National Security Agency, Washington, D.C.
- Contractor, N. (August 16, 2002). Table Presider. Roundtable on Organizational Communication/Representation. Annual convention of the American Sociological Association, Chicago, IL.
- Palazzolo, E. T., Contractor, N. S., & Hollingshead, A. B. (August 11, 2002). *A network analysis of information retrieval in transactive memory systems*. Paper presented at a symposium on Knowledge Networks at the Academy of Management Annual Convention, Denver, CO.
- Contractor, N. (August 10, 2002). *Faculty advisor*. Junior Faculty Consortium sponsored by the Organizational Communication & Information System/Technology, Innovation and Management Divisions of the Academy of Management, Denver, CO.
- Contractor, N. (July 29, 2002). *p* Techniques for multi-theoretical multilevel social network analysis*. Workshop on Statistical theory of Dynamically Emerging Social Groups. Rensselaer Polytechnic Institute, Troy, NY.
- Contractor, N. (June 27, 2002). *Computational models of organizational networks*. NASA-Ames Research Center, Ames, CA.
- Palazzolo, E. T., Ghate, A., Dandi, R., Mahalingam, A., Contractor, N. & Levitt, R., (June 21, 2002). *Modeling 21st century project teams: Docking workflow and knowledge network computational models*. Paper presented at the annual conference on Computational Analysis of Social and Organizational Systems, Carnegie-Mellon University, Pittsburgh, PA.
- Contractor, N. (May 30, 2002). *Social mechanisms that facilitate the creation and maintenance of virtual networks among government agencies*. Workshop on "Developing a Basic Research Agenda for Digital Governance." Kennedy School of Government, Harvard University, Cambridge, MA.
- Contractor, N. (May 27, 2002). *Co-evolution of communication and knowledge networks in the emergence of social capital*. Workshop on "The ambivalent relationship between Social Capital and IT," Amsterdam, Netherlands.

- Contractor, N. (May 23, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium at the University of Amsterdam, Netherlands.
- Contractor, N. (May 21, 2002). *Social mechanisms that facilitate the creation and maintenance of virtual networks among government agencies*. National Conference for Digital Government Research. Co-Sponsored by the National Science Foundation, Los Angeles, CA.
- Contractor, N. (May 15, 2002). *Designing high impact innovation networks*. Procter & Gamble, Corporate Innovation, Cincinnati, OH.
- Contractor, N. (May 11, 2002). *A multi-theoretical multi-Level agent model of the co-evolution of communication and knowledge networks*. Paper presented at the "Agent-based Modeling in the Social Sciences" conference, Lake Arrowhead, CA.
- Contractor, N. (May 2, 2002). *Advances in computational modeling of social networks – Unclassified briefing at the Joint Warfare Analysis Center, Dahlgren, VA.*
- Contractor, N. (April 11, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium presented as part of the Groups and Organization (GO) series at the School of Decision and Social Sciences, Carnegie Mellon University, Pittsburgh, PA.
- Contractor, N. (April 10, 2002). *Multi-level, multitheoretical approach to retrieval and allocation of information in knowledge networks*. Colloquium presented at the Katz School of Business, University of Pittsburgh, Pittsburgh, PA.
- Contractor, N. (March 22-23, 2002). *Organizational Warfare*. U.S. Department of Defense workshop, organized by the Naval Postgraduate School, Monterey, CA.
- Contractor, N. (March 18, 2002). *Digital video applications in the classroom*. [Instructional Technology Lab 2002 Conference](http://www.uic.edu/depts/accc/itl/conf2002.materials.html), University of Illinois at Chicago, Chicago, IL. <http://www.uic.edu/depts/accc/itl/conf2002.materials.html>
- Contractor, N. (March 6-7, 2002). *Granting Organizations of the Future*. NSF workshop, organized by the Center for Technology in Government, SUNY, Albany, NY.
- Contractor, N. (January 24, 2002). *The future of virtual collaboration: Perspectives on an agenda for action*. Internet2 Virtual Briefing. Internet2 Consortium, Ann Arbor, MI.

2001

- Contractor, N. (November 3, 2001). Respondent on a panel titled "Information, Media and Technologies in Organizations." Annual Convention of the National Communication Association, Atlanta, GA.
- Contractor, N. (August 10, 2001). *EQUAD: Using advanced collaboration technologies for cooperative learning*. Plenary panel on "Co-Teaching and Co-Learning in Higher Education" at the 17th Annual Conference on Distance Teaching and Learning University of Wisconsin, Madison, WI.
- Contractor, N. (April 2001). *Co-evolution of knowledge networks and 21st century organizational forms*. Invited presentation as part of the Impact Series: Explorations of the

impact of new information technology on arts, culture, politics, and society, supported by the Office of the Provost, University of Arizona, Tucson, AZ.

- Contractor, N. (March 2001). *Communication network analysis workshop*. Sponsored by [Finland University Network for Communication Sciences](#) at the University of Jyväskylä, Jyväskylä, Finland.
- Contractor, N. (February, 2001). *H.323-based videoconferencing in the educational environment*. Presented at the 2EAST: New technology series, Northwestern University, Evanston, IL.

2000

- Contractor, N. (October, 2000). *Social networks and distributed intelligence*. Invited presentation as part of the Sawyer Seminar on Heterarchies, supported by the Andrew W. Mellon Foundation and the Institute for Social and Economic Research and Policy (ISERP) at Columbia University, New York, NY.
- Contractor, N. (October, 2000). *Social network formulations of knowledge and distributed intelligence*. Invited presentation at the workshop on Heterarchies: Distributed Intelligence and the Organization of Diversity, Santa Fe Institute, Santa Fe, NM.
- Contractor, N. (October, 2000). [Advanced collaboration tools to support multi-university collaborative learning in Organizational Communication](#). Megaconference 2000: The world's first online conference on the use of teleconferencing in research and education.
- Contractor, N. (June, 2000). *Managing social and intellectual capital*. Workshop for Korean advertising executives sponsored by the University of Illinois, Champaign-Urbana, Champaign, IL.
- Contractor, N. (June, 2000). *New media and organizing*. Paper presented at the meeting of the International Communication Association, Acapulco, Mexico.
- Contractor, N., Stohl, C., & Monge, P. R. (June, 2000). *E-Quad: Experiences with advanced collaboration tools to support graduate education*. Paper presented at the meeting of the International Communication Association, Acapulco, Mexico.
- Contractor, N., Wasserman, S., & Faust, K. (June 2000). *Testing multi-level, multi-theoretical hypotheses about networks in 21st century organizational forms: An analytic framework and empirical example*. Top 3 Paper in the Organizational Communication Division, International Communication Association annual convention, Acapulco, Mexico.
- Contractor, N. (June 2000). *ICTs and Organizing*. Las ICTs y la organización. In session Bridging the Subdisciplines: Communication Technology Research and Its Prospects. *Uniendo las Subdisciplinas: La Investigación Sobre las Tecnologías de Comunicación y sus Perspectivas*. International Communication Association annual convention, Acapulco, Mexico.
- Houston, R., Rice, R., Whitbred, R., & Contractor, N. (June 2000). *From Self-Production to Social Production: An Exploratory Study of Self-Producing Systems and Job Satisfaction at the*

Western Transit Authority. International Communication Association annual convention, Acapulco, Mexico.

- Contractor, N. (June 2000). Respondent. *Measures and new measurement in organizational communication*. International Communication Association annual convention, Acapulco, Mexico.
- Contractor, N. (May, 2000). *E-communities reconfiguring traditional communities*. Major Cities of Europe Conference, Nice, France.
- Contractor, N. (April 2000). *Introduction to and applications of P**. Paper presented at the Annual International Sunbelt Social Network Conference, Vancouver, Canada.
- Fonti, F., Whitbred, R. & Contractor, N. (April 2000). *Adding perception to the landscape: Introducing cognitive social capital*. Paper presented at the Annual International Sunbelt Social Network Conference, Vancouver, Canada.
- Contractor, N. (April 2000). *Cooperative learning via Internet2*. Presentation made from UIUC via Internet2 videoconference to the Tech Forum 2000, Columbus, OH.
- Contractor, N. (April, 2000). *Knowledge networks*. Invited presentation at the Caught in the Web II conference, Annenberg School for Communication, University of Pennsylvania, Philadelphia, PA.
- Contractor, N., & Wasserman, S. (April, 2000). *Reconsidering the arbitrary specification of parameters in the computational modeling of organizational networks*. Paper presented at Sunbelt XX: International Sunbelt Social Network Conference, Vancouver, Canada.
- Contractor, N. (March 2000). *Emergence of communication networks*. Brown bag presentation for the Social Psychology Division, Department of Psychology, University of Illinois at Urbana-Champaign, Champaign, IL.
- Contractor, N. (March 2000). *Studying and using communication networks in the 21st century*. Keynote address and Workshop for Network of Communication Researchers in Thailand, Chulalongkon University, Bangkok, Thailand.
- Contractor, N. (March, 2000). *Communication network analysis*. Workshop for Communication scholars in Thailand hosted by the Faculty of Communication Arts, Chulalongkorn University, Bangkok, Thailand.
- Contractor, N. (February, 2000). *Structuration theory and self-organizing networks*. Paper presented at the Organization Science Winter Conference, Keystone, CO.
- Contractor, N. (February, 2000). *Co-evolution of knowledge networks and 21st century organizational forms*. Tieto 2000: Professional Forum on New Information Technologies, Helsinki, Finland.
- Contractor, N. (January, 2000). Invited address to the "Forum on New Technologies in Information and Communication for the XXIth Century", hosted by Barcelona University (UB) and the Technical University of Catalunya (UPC), Barcelona, Spain.

1999

- Contractor, N. (December, 1999). *Advanced collaboration tools to support multi-university distributed learning in organizational communication*. Video-conference presentation to a

dozen university locations in the United Kingdom participating in the colloquia series sponsored by the Scottish Higher Education Funding Council.

- Contractor, N. (November, 1999). *Communications in the global enterprise*. Invited presentation to the External Advisory Board of the University of Michigan's Program in Manufacturing, Ann Arbor, MI.
- Contractor, N. (November, 1999). *Emerging web technologies for the tourism industry*. Invited panelist at the Workshop on Advertising Strategy and Information Technology in Tourism, National Laboratory for Tourism and eCommerce (NLTEC), Champaign-Urbana, Champaign, IL.
- Contractor, N. (November 1999). *HR implications for virtual organizations*. Invited presentation at the Noon Seminar series, Department of Human Resource Education, University of Illinois at Urbana-Champaign, Champaign, IL.
- Contractor, N. (November, 1999). *What's new about new media?* Panel at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. (November, 1999). *Advanced collaboration tools to support multi-university distributed learning in organizational communication*. Panel at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. (November, 1999). Chair, *Doing sponsored research in organizations: The ethical and practical implications of coloring outside the lines*. Panel at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. (November, 1999). Respondent, *Top 3 competitive papers in Organizational Communication Division*, panel at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. (October, 1999). *Collaborative learning in graduate education: The case for greater bandwidth*. Invited presentation at the Internet2 Fall 1999 meeting, Seattle, WA.
- Contractor, N., & Bishop, A. (September, 1999). [Reconfiguring community networks: The case of PrairieKNOW](#). Invited symposium presentation at the [Kyoto Meeting on Digital Cities](#), Kyoto Research Park, Kyoto, Japan.
- Contractor, N. (August, 1999). *Collaborative learning: Experiences from a graduate course on globalization*. Invited presentation to the Video Working Group of the Committee on Institutional Cooperation (CIC), State College, PA.
- Contractor, N., Bishop, A., & Zink, D. (August, 1999). *PrairieKNOW: A tool to assist and study the creation, maintenance, and dissolution of community networks*. Paper presented at HCI International '99 (the 8th International Conference on Human-Computer Interaction), Munich, Germany.
- Contractor, N. (May, 1999). *Supporting social and knowledge capital in organizations*. Paper presented at the meeting of the International Communication Association, San Francisco, CA.
- Contractor, N. (May, 1999). Respondent, *Top 3 competitive papers in Organizational Communication*, the International Communication Association, San Francisco, CA.
- Contractor, N. (May, 1999). *Emergence of communication and knowledge networks in 21st century organizational forms*. Invited presented at the Doctoral Consortium sponsored by

the International Communication Association's Organizational Communication Division, San Francisco, CA.

- Contractor, N. (May, 1999). *Utah transit authority communication network study: Linking to better service*. Paper presented at the Consumer Relations Panel at the meeting of the American Public Transit Association, Toronto, Canada.
- Contractor, N. (April, 1999). *Tools to support knowledge networks on the web*. Invited presentation at the U.S. Federal Web Consortium '99 meeting, Washington, D.C.
- Contractor, N. (February, 1999). *The use of P* techniques for testing multi-level network hypotheses*. Paper presented at the Sunbelt Social Networks Conference, Charleston, SC.

1998

- Contractor, N. & Fulk, J. (November, 1998). *Organizations and communication technology: Lessons learned and new visions*. Invited presentation at the meeting of the National Communication Association, NY.
- Contractor, N. S., Whitbred, R., Fonti, F., Hyatt, A., Jones, P., & O'Keefe, B. (July, 1998). *Self-organizing communication networks in organizations: Validation of a computational model using exogenous and endogenous theoretical mechanisms*. Paper presented at the meeting of the International Communication Association, Jerusalem, Israel.
- Contractor, N. S., Fonti, Fabio, & Whitbred, R. (July, 1998). *Focusing on the forest when you can't see all the trees II - Antecedents and outcomes of Cognitive Aggregated Structures (CAS) in a virtual organization*. Paper presented at the National Communication Association/International Communication Association Conference on "Communication: Organizing for the Future," Rome, Italy.
- Contractor, N. S., Zink, D., & Chan, M. (June, 1998). *IKNOW: A tool to assist and study the creation, maintenance, and dissolution of knowledge networks*. Invited presentation at the First Kyoto Meeting on "Social Interaction and Communityware," Kyoto, Japan.
- Contractor, N. S., Zink, D., & Chan, M. (May, 1998). *IKNOW: A tool to visualize knowledge networks*. Paper presented at the Annual Sunbelt Social Networks Conference, Barcelona, Spain.
- Contractor, N. S., Fonti, Fabio, & Whitbred, R. (May, 1998). *Focusing on the forest when you can't see all the trees I - Antecedents of Cognitive Aggregated Structures (CAS) in a virtual organization*. Paper presented at the Annual Sunbelt Social Networks Conference, Barcelona, Spain.
- Contractor, N., & O'Keefe, B. (February, 1998). *Learning communities and technology*. Presentation at the Annual Faculty Retreat on Active Learning, University of Illinois at Urbana-Champaign, IL.
- Contractor, N. (1998). *Knowledge and DistributedIntelligent*, National Science Foundation at University of California, Santa Barbara, CA.
- Contractor, N. (1998). *Social & Ethical Dimensions of Knowledge Networking*, National Science Foundation at University of California, Santa Barbara, CA.
- Contractor, N. (1998). Web Lab, and National Science Foundation, Washington, D.C.

- Contractor, N. (1998). *Digital Governance*, National Science Foundation, Alexandria, VA.

1997

- Contractor, N., & Hyatt, A. (November, 1997). *Computational organizational modeling in the design of collaboration technologies*. Paper presented at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. & Monge, P.R. (November, 1997). *Theoretical mechanisms for dynamic modeling of communication networks*. School of Communication, Stanford University, Palo Alto, CA.
- Pollock, T., Whitbred, R. A., & Contractor, N. (November, 1997). [Social information processing and job characteristics: A simultaneous test of two theories with implications for job satisfaction](#). Paper presented at the meeting of the National Communication Association, Chicago, IL.
- Contractor, N. (October 1997). *Knowledge networks in virtual organization: conceptual rationale and software demonstration*. School of Information, University of Michigan, Ann Arbor, MI.
- Contractor, N. (October 1997). *Self-organizing communication networks in organizations*. Wharton School of Management, University of Pennsylvania, Philadelphia, PA.
- Contractor, N. (September 1997). *Self-organizing communication networks in organizations*, Department of Communication, University of Maryland, College Park, MD.
- Contractor, N. S., Whitbred, R., Fonti, F., Hyatt, A., Jones, P., & O'Keefe, B. (August, 1997). *Self-organizing communication networks in organizations. Validation of a computational model using exogenous and endogenous theoretical mechanisms*. Paper presented at the Alta Conference on Self-Organizing Systems Theory, Alta, UT.
- Contractor, N. (May, 1997). *Organizational Communication in Virtual Work Communities: A Research Agenda*. Invited paper to be presented at the International Communication Association's Organizational Communication Division Doctoral Consortium, Montreal, Canada.
- Hyatt, A., Contractor, N., & Jones, P. M. (May, 1997). [Computational organizational network modeling: Strategies and an example](#). Paper presented at the meeting of the International Communication Association, Montreal, Canada.
- O'Keefe, B., Contractor, N., & Zaritsky, R. (April, 1997). *Educational Technologies at the Team Engineering Collaboratory*. Andersen Consulting Educational, St. Charles, IL.
- Contractor, N., & O'Keefe, B. (February, 1997). *The Use of Technologies to Support Learning Communities*. UIUC Faculty Retreat, Urbana, IL.
- Contractor, N. (February 1997). *Report on Active X, Java, and other web-based technologies*. Sponsored by UIUC Educational Technologies Board, Urbana, IL.
- Contractor, N. (February, 1997). *Collaboration in the virtual organization*. Paper presented at the U. S. Department of Defense Modernization Workshop on collaboration at the Corps of Engineers Waterways Experimentation Station, Vicksburg, MI.

- Contractor, N., Monge, P. R., Rumsey, S., & Fulk, J. (February, 1997). *Network evolution of a virtual organization*. Paper presented at the Sunbelt XVII International Social Network Conference, San Diego, CA.

1996

- Contractor, N. (December, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Indian Petro-Chemicals Limited, Vadodara, India.
- Contractor, N. (December, 1996). *The Internet and Global Organizations*, Indian Institute of Management, Ahmedabad, India.
- Heald, M., Contractor, N., Koehly, L. M., & Wasserman, S. (November, 1996). [Formal and emergent predictors of coworkers' perceptual congruence on an organization's social structure](#). Paper presented at meeting of the Speech Communication Association, San Diego, CA.
- Contractor, N. (November, 1996). *WWW in the educational curriculum*. Short course offered at the meeting of the Speech Communication Association, San Diego, CA.
- Contractor, N., & O'Keefe, B. (November 1996). *Project CITY: An Illustration of the TEAM Methodology*. Department Colloquium, Department of Communication, University of Arizona, Tucson, AZ.
- Contractor, N., & O'Keefe, B. (November 1996). *Project CITY: An Illustration of the TEAM Methodology*. Advanced Technology Program, Scottsdale, AZ.
- Contractor, N. (October, 1996). *The Emergence of Communication Networks*. Department of Communication, Purdue University, Hammond, IN.
- Koehly, L., Contractor, N., & Wasserman, S. (June 1996). *P-star techniques for statistical analysis of cognitive social structures*. Paper presented at the Annual meeting of the Classification Society, Amherst, MA.
- Contractor, N. (April, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Guest lecturer in Professor Lillian Hoddeson's UIUC undergraduate course on history of technologies, Urbana, IL.
- Contractor, N. (April, 1996). *Computational Organizational Theories*. Guest lecturer at UIUC's Institute for Communication Research Proseminar, Urbana, IL.
- Contractor, N. (January-April, 1996). *Special topics in social networks*. Guest lecturer at a graduate seminar on Communication Networks at the Annenberg School of Communication, University of Southern California, Los Angeles, CA.
- Contractor, N. (March, 1996). *Computational Organizational Theories*. Workshop at Arizona State University, Phoenix, AZ.
- Pollock, T., Whitbred, R., Contractor, N. (February, 1996). *Social information processing, job characteristics and disposition: A test and integration of competing theories of job satisfaction*. Paper presented at the Sunbelt XVI International Social Network Conference, Charleston, SC.

- Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. American Center, United States Information Service (USIS), New Delhi, Delhi, India.
- Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Institute for Electrical and Electronic Engineers (IEEE), Baroda, India.
- Contractor, N. (February, 1996). *Communication technologies and re-engineering the workplace*. Federation of Industries, Baroda, India.
- Contractor, N. (February, 1996). *Technological enhancements to workgroup effectiveness*. Institute for Electrical and Electronic Engineers (IEEE), Baroda, India.
- Contractor, N. (February, 1996). *Unintended consequences of new information technologies: The case of the Internet*. Keynote address to UIUC Computer Consultants Support Program (CCSP), Urbana, IL.

1995

- Contractor, N., O'Keefe, B. J., & Hollingshead, A. B. (November, 1995). *Beyond E-mail: An advanced workshop for electronic research and pedagogy*. Short course offered at the meeting of the Speech Communication Association, San Antonio, TX.
- Jones, P., Contractor, N., O'Keefe, B., Lu, S., Case, M., Lawrence, P. (November, 1995). [Workflow and cooperative problem solving in civil infrastructure management](#). Paper presented at the IEEE International Conference on Systems, Man and Cybernetics, Vancouver, BC.
- Ehrlich, M., & Contractor, N. (August, 1995). *Constraints on the evolution of talk in talk radio*. Paper presented at the meeting of the Association for Education in Journalism and Mass Communication, Washington, D.C.
- Contractor, N. (July, 1995). *Technological enhancements to work group effectiveness*. Workshop for MBA students from the Kymmene Corporation, Milan, Italy.
- Contractor, N. (July, 1995). *Decision development in work groups: Social influence networks as its antecedent and outcome*. Paper presented at the Social Networks Conference, London.
- Contractor, N. (May, 1995). *The logics of emergence in organizational processes: A self-organizing systems perspective*. Paper presented at the meeting of the International Communication Association, Albuquerque, NM.
- Contractor, N. (April, 1995). *Organizational communication and systems theory*. Paper presented at the meeting of the Central States Speech Communication Association, Indianapolis, IN.
- Contractor, N. (March 25, 1995). *Team building in engineering design teams*. Paper presented at a joint meeting of the National Electrical Engineering Department Heads Association and the Mechanical Engineering Heads Association, Nashville, TN.

1994

- Contractor, N., Eisenberg, E. M., & Monge, P. R. (1994). *Antecedents and outcomes of interpretive diversity in organizations*. Paper presented at the meeting of the International Communication Association, Sydney, Australia.
- Contractor, N., & Grant, S. (1994). *Modeling organizations as self-organizing interpretive systems*. Paper presented at the meeting of the International Communication Association, Sydney, Australia.
- Contractor, N. (June 1994). *Use of supercomputing in the social sciences*. Invited paper presented at the Computing in the Social Sciences annual convention, College Park, MD.

1992

- Contractor, N. S., Seibold, D., & Heller, M. A. (1992). *Interactional influence in the structuring of media use in groups*. Paper presented at the meeting of the International Communication Association, Miami, FL.

1991

- Contractor, N. & Seibold, D. (1991). *Review and critique of empirical research on GDSS*. Paper presented at the meeting of the International Communication Association, Chicago, IL.
- Contractor, N. & Seibold, D. (1991). *Theoretical differences between structural and self-organizing approaches to the study of GDSS*. Paper presented at the meeting of the International Communication Association, Chicago, IL.
- Contractor, N. (1991). *Modeling an interdisciplinary research center as a shared meaning system*. Paper presented at the meeting of the Institute for Management Science, Nashville, TN.
- Contractor, N. (1991). *An analysis of meetings using SAGE Groupware*. Paper presented at Apple Computer's External Research Annual Conference, Cupertino, CA.
- Davis, C. & Contractor, N. (1991). *A semantic networks approach to the study of visionary leadership*. Paper presented at the annual Social Networks conference, Tampa Bay, FL.
- Michaelson, A., & Contractor, N. (1991). *Comparison of relational and positional predictors of group member's perceptions*. Paper presented at the annual Social Networks conference, Tampa Bay, FL.
- Contractor, N. (1991). *Self-organizing systems perspective in the study of organizational communication*. Paper presented at the inauguration of the organizational communication division of the German Communication Association, Bamberg, Federal Republic of Germany.

1990

- Contractor, N. & Seibold, D. (1990). *Comparison of structural and self-organizing perspectives to the study of GDSS*. Paper presented at the meeting of the Speech Communication Association, Chicago, IL.
- Contractor, N., & Ehrlich, M. (1990). *Role of strategic ambiguity in the birth of an organization: The \$50 Million Experiment*. Paper presented at the meeting of the International Communication Association, Dublin, Ireland.
- Contractor, N. (1990). *Modeling organizations as meaning systems*. Paper presented at the Annual Social Networks Sunbelt Conference, San Diego, CA.

1989

- Contractor, N. (1989). *Conceptualizing organizations as non-linear dissipative structures*. Paper presented at the meeting of the International Communication Association, San Francisco, CA.

1988

- Contractor, N. S., Iacobucci, D., Monge, P. R., & Eisenberg, E. M. (1988). *Semantic networks and organizational climate*. Paper presented at the Sunbelt Social Networks conference, San Diego, CA.
- Eisenberg, E. M., Contractor, N. S., & Monge, P. R. (1988). *Semantic networks in organizations*. Paper presented at the meeting of the International Communication Association, New Orleans, LA.
- Monge, P. R., Rogers, E. M., Contractor, N. S., & Cozzens, M. D. (1988). *Investigating process in communication research*. Paper presented at the meeting of the International Association of Mass Communication Research, Barcelona, Spain.
- Contractor, N. S., Singhal, A., & Rogers, E. M. (1988). *A resource dependency perspective on television broadcasting systems in India and Mexico*. Paper presented at the meeting of the International Association of Mass Communication Research, Barcelona, Spain.

1987

- Contractor, N. S., Cozzens, M. D., & Eisenberg, E. M. (1987). *Network predictors of semantic agreement in an organization*. Paper presented at the Sunbelt Social Networks conference, Tampa Bay, FL.

1986

- Contractor, N. S., Singhal, A., & Rogers, E. M. (1986). *Satellite television and development in India: A utopian, dystopian, neutral, and contingency view of a communication technology*. Paper presented at the meeting of the International Association of Mass Communication Research, New Delhi, India.

1985

- Cozzens, M. D. & Contractor, N. S. (1985). *The effect of conflicting information on media skepticism*. Paper presented at the meeting of the International Communication Association, Honolulu, HI.

TEACHING**Northwestern University**

COMM_ST 525, IEMS 441, MTS 525 Social Network Theories and Methods
 COMM_ST 395, IEMS 395, IEMS 341 Social Network Analysis
 DSGN 495 *Designing and Leveraging Organizational Networks*
 DSGN 495-0-32 Discovery, Diagnosis and Design of Networks
 MSC 492-0-20 Understanding & Leveraging Networks
 JOUR 390-0-24 Journalism and the Networked World

University of Illinois at Urbana-Champaign

SPCOM 310 Communication Technologies in the Workplace
 SPCOM 396 Communication Technologies in the Workplace
 SPCOM 396 Walking through Knowledge Networks
 SPCOM 312 Organizational Communication Processes
 SPCOM 410 Communication Technologies in the Workplace
 SPCOM 429 Seminar in Organizational Communication Networks
 SPCOM 429 Communication Networks
 SPCOM 429 Communication and Knowledge Networks
 SPCOM 429 Dynamic Systems in Organizations
 SPCOM 429 Communication and Collaboration Technologies in Organizations
 SPCOM 429 Communicating in the Global Workplace
 SPCOM 429 Communication Technologies and New Forms of Organizing
 SPCOM 429 Knowledge Networks and New Forms of Organizing
 SPCOM 474 Communication Research Methods
 SPCOM 396 Visualizing and Navigating Knowledge Networks
 SPCOM 529 Communication Networks
 CAS 587 The Age Of Networks: Social, Cultural And Technological Connections
 PSYCH 493 Social Networks, co-taught with Stanley Wasserman

Jones International University

Content Expert of a 6-module web-based course on *Communication Technology Systems in Organizations*. Englewood, CO, 1997-1998.

Content Expert and On-Air Presenter of a 6-module video and web-based course on *Emerging Communication Technologies in the Workplace*. Englewood, CO, 1995-1996.

Prepared telecourse titled "*Emerging technologies in the workplace*" 1996.

University of Southern California

ANSC 505 Communications in Work Settings (Teaching Assistant)
 ANSC 650 Research Design (Teaching Assistant)
 ANSC 700a Research Methods I (Teaching Assistant)
 ANSC 700b Research Methods II (Teaching Assistant)

PROFESSIONAL SERVICE

Editorial Activities

Editorial board memberships: *The Review of Communication*, 1999-present; *Small Group Research*, 2008-2009; *Electronic Journal for Computer Mediated Communication*, 1994-2009; *Journal of Communication*, 2001-2003, 2005-present; *Journal of Applied Communication Research*, 1996-1997, 2007; *Communication Theory*, 1997-1998, 2002-2005, 2010-present; *Human Communication Research*, 1992-1995, 1997-2004, 2010-present; *Organization Science*, 2000-2004; *Management Communication Quarterly*, 1992-1998; *Handbook for Small Group Communication*, 1996-1997.

Editorial Assistant: *Communication Research*, 1986-1987.

Ad hoc manuscript reviewer : *Science*, *PNAS*, *Organizational Science*, *Management Science*, *Communication Theory*, *Communication Research*, *Communication Yearbook*, *Journal of Communication*, *Communication Monographs*, *Journal of Applied Communication Research*, *Academy of Management Journal*, *Academy of Management Review*, *Administrative Science Quarterly*, *American Sociologist*, *American Journal of Sociology*, *Science PNAS*, *International Journal of Man Machine Studies*, *Journal of Applied Psychology*, *Journal of Economic Behavior and Organization*, *Journal of Business Communication*, *Journal of Business Research*, *Journal of Broadcasting & Electronic Media*, *Journal of the American Society for Information Sciences*, *The Information Society Journal*.

Paper reviewer:

WWW

CHI

International Communication Association

National Communication Association

American Institute for Decision Sciences

Academy of Management

Reviewer for Grant Proposals submitted to: U.S. National Science Foundation, National Institutes of Health, European Union Information Society & Technology (IST) Program, National Telecommunications and Information Administration, U.S. Dept. of Commerce, Washington, D. C., MacArthur Foundation Digital Media & Learning Initiative.

Review Panelist: Nine panels for U.S. National Science Foundation in the Directories of Social, Behavioral & Economic Sciences and Computing & Information Sciences Engineering 2007-2010; Two panels for the National Institutes of Health 2007-2010; Portugal's National Science Foundation 2007-2009; MacArthur Foundation Digital Media & Learning Initiative 2009; Panel for the European Union eGov awards at the 5th European eGovernment Conference in Malmoe, Sweden, 2009, European Union, 6th Framework Program on Information Society Technology, 2003; E-workshop, Scottish Higher Education Funding Council, 1999-2002.

Reviewer of book manuscripts for: Cambridge University Press, Guilford Publishers, Oxford University Press, MIT Press, Sage Publications, SUNY Press, Texas A&M University Press, Bedford/St. Martin's, Harvard University Press.

Workshop Panelist for: National Research Council workshop report (2010). *Unifying social frameworks: Sociocultural data to accomplish Department of Defense Missions*, several NSF workshops outlining agenda and project directions for NSF's Knowledge and Distributed Intelligence/Knowledge Network (KDI/KN) Initiative, National Digital Government initiative, Human and Social Dynamics (HSD), Social and Computational Systems (SoCS), Network Science and Engineering (NetSE), and the Cyberinfrastructure Initiative.

National Committees: Member, Research Networking Group, NIH Clinical & Translational Science Awards, 2009-2010; Chair, Social Networks Working Group, NIH Clinical & Translational Science Awards, 2009-2010; NSF Computing & Information Sciences Engineering (CISE) & Social, Behavioral & Economic (SBE) Sciences Directorates joint advisory sub-committee on *Research Portfolio Tools for Structuring, Analyzing, Visualizing and Interacting with Proposal and Award Portfolios*, 2009-2010.

Advisor: 1998 NSF Summer Workshop on Collaborative Manufacturing, Purdue University, sponsored by NSF's Engineering Research Center for Collaborative Manufacturing.

Workshop/Conference Organizer/Program Planner

Member, National Communication Association Organizational Communication Division Awards Committee, 2011.

Co-organizer, Social Mobile Web workshop at ICWSM, 2011, Barcelona.

NICO/ANN/SONIC Web Net Science Workshop, 2011, Evanston, IL.

General co-chair, 3rd International Conference on Social Informatics, 2011, Singapore.

- Member, Review and Selection Committee, Second Doctoral Consortium of the Communication and Technology Division of the International Communication Association, May 6, 2011, Boston, MA.
- Co-chair (with Les Carr), Program Track, 2010, WWW2010 Extended Semantic Web Conference, Raleigh, NC.
- Co-chair (with Holly Falk-Krzesinski) April 22-24, 2010, 1st Annual International Conference on the Science of Team Science, Chicago, IL.
- Co-chair (with Manuel Castells and Peter Monge) February 22-24, 2010, International Seminar on Network Theory Conference, Chicago, IL.
- Member, Organizing Committee, 2009, 2010, WWW Conference
- Member, Organizing Committee, 2010 Extended Semantic Web Conference
- Faculty co-organizer (with Paul Leonardi) October 16-18, 2009, 22nd annual Organizational Communication Miniconference, Northwestern University, Evanston, IL.
- Co-organizer (with Uri Wilensky and Seyed Iravani) 2009 NICO Annual Conference on Complexity and Networks, Evanston, IL.
- Co-organizer (with David Lazer & Ines Mergel, Kennedy School of Government, Harvard University), 2008, Workshop on Application of Social Network Analysis in Digital Government.NSF Digital Government Conference, Montreal, Canada.
- Co-organizer (with Charles Steinfield, Brian Pentland, and Mark Ackerman) of the 3rd International Communities & Technologies conference, 2007, Michigan State University, East Lansing, MI.
- Co-organizer (with Katy Borner, Stan Wasserman, Laszlo Barabasi, & Alessandro Vespignani) May 2006, International workshop and conference on Network Science (NetSci 2006), Bloomington, IN.
- Co-organizer (with Brad Hesse, National Cancer Institute), May 2006, Symposium on Cyberinfrastructure for Public Health, 2006 NSF Digital Government Conference, San Diego, CA.
- Co-organizer (with David Lazer & Ines Mergel, Kennedy School of Government, Harvard University), May 2006, 2007, Workshop on Application of Social Network Analysis in Digital Government. NSF Digital Government Conference, San Diego, CA.
- Co-organizer (with Katy Borner), October 2006, NSF Workshop on Social Networks and Cyberinfrastructure (SNAC).National Center for Supercomputing Applications, Urbana, IL.
- Co-organizer (with David Lazer & Ines Mergel, Kennedy School of Government, Harvard University), 2005, Workshop on Application of Social Network Analysis in Digital Government.NSF Digital Government meeting, Atlanta, GA.
- Co-organizer (with Scott Leischow, National Cancer Institute), May 16, 2005, Symposium and “[Birds of a Feather](#)” Session on Cyberinfrastructure for Public Health.NSF Digital Government Meeting, Atlanta, GA.
- Member, Program Committee, August 22-26, 2005, eGov 2005 Conference, Copenhagen, Denmark.<http://www.iwv.jku.at/events/egov2005/index.htm>

- Member, Program Committee, August 30-September 3, 2004, eGov 2004 Conference, Zaragoza, Spain.
- Member, Organizing Committee, 2003-2007, [International Symposium on Understanding Complex Systems](http://www.how-why.com/ucs2005/), Urbana-Champaign, IL.<http://www.how-why.com/ucs2005/>
- Co-organizer (with Steve Corman & Ron Rice), May 27, 2004, Workshop on Communication Networks in the Public Interest. Annual convention of the International communication Association, New Orleans, LA.
- Co-organizer, (with Anthony Stefandis, U of Maine) May 24, 2004, Birds of a Feather. Session on International Collaboration on Digital Government Research, Digital Government 2004 meeting, Seattle, WA.<http://www.dgrc.org/dgo2004/program/bofs/nosh.pdf>
- Co-organizer, (with Anthony Stefandis, U of Maine) May 21-24, 2004, NSF [Workshop on Information Society Technologies and Research Challenges for the 21st Century](#), Budapest, Hungary.
- Organizer and Moderator, February 25, 2004, Gizmos, Gadgets and Googles, Panel sponsored by UIUC's Illinois Program for Research in the Humanities, Urbana, IL.
- Organizer and Moderator, December 9, 2003, Silicon, Carbon, Culture Roundtable: Discussion on the projects undertaken as part of the 3-semester initiative, jointly sponsored by UIUC College of LAS and FAA, Beckman Auditorium, Urbana, IL.
- Program Planner, May 2003, Organizational Communication Division, Annual Convention of the International Communication Association, San Diego, CA.
- Member, Program Committee, 2003, [Digital Cities 3: Local Information And Communication Infrastructures: Experiences And Challenges](#), Kyoto, Japan.
- Program Planner, July 15-19, 2002, Organizational Communication Division, Annual Convention of the International Communication Association, Seoul, South Korea.
- Member, Program Committee, 2002, [International Workshop on Regulated Agent-Based Social Systems: Theories and Applications](http://www.informatik.uni-hamburg.de/TGI/events/rasta02/cfp.html) (RASTA'02). <http://www.informatik.uni-hamburg.de/TGI/events/rasta02/cfp.html>
- Member, Program Committee, February 12-17, 2002, International Network for Social Network Analysis Annual Sunbelt Conference, New Orleans, LA.
- Member, Program Committee, October 18-21, 2001, 3rd Kyoto Digital Cities and Communityware Meeting, Kyoto, Japan.
- Member, Workshop on Collaborative Learning, May 18-21, 1998, UIUC Summer Faculty Institute, Urbana, IL.
- Member, Program Committee, 1998, ICA Annual Convention, soliciting sponsorship, providing Internet/Web support, Jerusalem, Israel.
- Member, Program Committee, 1997, ICA Annual Convention, soliciting sponsorship, providing Internet/Web support, Montreal, Canada.
- Faculty Coordinator, 1997, IXth Annual Organizational Communication Miniconference, Champaign-Urbana, IL.
- Member, 1996-1997, SCA Nominations Committee, Publications Awards in Organizational Communication.

Membership in Professional Associations

[Academy of Management \(AOM\)](#)

[American Association for the Advancement of Science \(AAAS\)](#)

[American Sociological Association \(ASA\)](#)

[Association for Computing Machinery \(ACM\)](#)

[Institute for Operations Research and Management Science \(INFORMS\)](#)

[International Communication Association \(ICA\)](#)

[International Network for Social Network Analysis \(INSNA\)](#)

[National Communication Association \(NCA\)](#)

Appointed Offices

Member, Nominations Committee, Organizational Communication Division, International Communication Association, 2011.

Chair, Web Science Track, ESWC, 2010.

Member, Advisory board, NSF project: *Examination of Changes in Integration and Innovation Among Instructional Integration Initiative Projects*.

Member, Advisory council, Family Health Diffusion System Project, funded by the Bill and Melinda Gates Foundation.

Program Committee, First IEEE Workshop on the application of social networking concepts to cluster, cloud, grid and services computing.

Member, NSF CISE-SBE Advisory Subcommittee on *Discovery in Research Portfolio Tools for Structuring, Analyzing, Visualizing and Interacting with Proposal and Award Portfolios*, 2009-2010.

Member, External Advisory Committee to review *Social Informatics Program, School of Informatics and Computing* at Indiana University, Bloomington, IN, 2010.

Member, Advisory Board, *Responsible Business in the Blogosphere*, Centre for Corporate Social Responsibility, Copenhagen Business School, Denmark, 2010-present.

Chair, International Communication Association (ICA) Liaison Committee, 2010-present

Member, National Steering Committee, National Cancer Institute's Redes en Accion (Latin American Health Network), 2007-2009

Member, International Communication Association (ICA) External Research Funding Task Force, 2009

Member, International Communication Association (ICA) Development Task Force, 2008-2009

Program Director, Web Science Research Initiative, 2009

Member, Web Science Trust, Program Board, 2009
Chair, Freeman Awards Committee, International Network for Social Network Analysis, 2007-2008
Consultant, Canadian Health Services Research Foundation. Leveraging knowledge networks in health services research and delivery, 2007
Chair, International Communication Association, Development Task Force, 2007
Chair, International Communication Association, Nominating committee, 2004-2005
Member, Joint ICA-NCA Task Force, Organizational Assessment Tools, 2003-2005
Member, Best Publication Award Committee, Organizational Communication & Information Systems Division, Academy of Management, 2004-2005
Panelist, NSF Workshop on Cyberinfrastructure for the Social Sciences. Airlie Center, Warrenton, VA, 2004-2005
Invited Expert for Addiction Treatment Vision Panel. Organized by the Network for the Improvement of Addiction Treatment funded by The Robert Wood Johnson Foundation and the US Government's Center for Substance Abuse Treatment. St. Charles, IL, 2004-2005
Member, National Cancer Institute, Initiative on the Study and Implementation of Systems, 2003-2004
Member, International Communication Association Nominating Committee, 2003-2004
Member, International Communication Association Theme Committee, 2003-2004
Member, Faculty Advisory Board, Jones International University, Jones Intercable, Englewood, CO, 1996-1997, 2001-2002
Chair, Web Services, International Communication Association, 2000-2001
Member, National Communication Association (NCA) -National Science Foundation (NSF) Task Force, 2000-2003
Department Representative, University of Illinois Computing and Communications Services Office, 1998
Chair, International Communication Association, Organizational Communication Division, Redding Dissertation Award Committee, 1998

Elected offices

Chair, Social Network Analysis Working Group, Clinical & Translational Science Awards, 2010-present
Member, *Applications, Middleware & Services Advisory Council (AMSAC)*, Internet2, 2008-2011.
Chair, Organizational Communication Division, International Communication Association, 2002-2004
Vice-Chair Elect, Organizational Communication Division, International Communication Association, 1999, 2001
Secretary, Organizational Communication Division, International Communication Association, 1997-1999

SELECTED UNIVERSITY SERVICE**Northwestern University**

Member, VPIT-CIO Search Committee, Northwestern University, 2009-2011
Member, NICO Executive Committee, 2008-present Member, Segal Chair Faculty Search Committee, 2010-2011
Member, Media Technology & Society Faculty Search Committee, 2010-2011
Member, McCormick School of Engineering, Tenure & Promotion Committee, 2010-2011
Member, Graduate Committee, Department of Industrial Engineering and Management Sciences, 2009-2010
Member, Strategic Planning Committee, Department of Industrial Engineering & Management Sciences, 2009-present
Junior Faculty Mentor, School of Communication, Northwestern University, 2007-2010
Member, Ad hoc Promotion Committee, McCormick School of Engineering, Northwestern University, 2009
Member, TSB Executive Committee, Northwestern University, 2009-present
Member, McCormick Cabell Fellows Committee, Northwestern University, 2008-2009
Member, TSB Graduate Admissions Committee, Northwestern University, 2008-2009
Member, Industrial Engineering and Management Sciences Graduate Admissions Committee, Northwestern University, 2008-2009
Member, Industrial Engineering and Management Sciences Advisory Committee, Northwestern University, 2008-2009
Member, Northwestern Research and Academic Computing Committee, Northwestern University, 2007-2011
Chair, MTS Search Committee, Northwestern University, 2007-2009

University of Illinois, Urbana-Champaign

Member, UIUC Chancellor's Intellectual Visioning Committee, 2007
Director, *Science of Networks in Communities (SONIC)* Research Group, National Center for Supercomputing Applications (NCSA), 2004-2007
Director, UIUC Center for Advanced Study initiative on *The Age of Networks II: Social, Cultural and Technological Connections*, 2004-2007
Member, Intellectual Visioning Committee, appointed by Chancellor Richard Herman, 2006-2007
Co-Chair, Department Colloquium Series, 2006-2007
Member, Steering committee UIUC Illinois Informatics Initiative (III), 2006-2007
Member, Steering Committee, UIUC Illinois Homeland Security Research Center, 2006-2007
Director, *Woolbert Computing Laboratory and Instructional Computing Laboratory*, 1995-2007
Member, Selection committee, UIUC Millercom Distinguished Lectures, 2003-2007

Chair, UIUC Center for Advanced Study Lecture Series on The Age of Networks: Social, Cultural and Technological Connections, 2005-2007

Member, Steering Committee, UIUC Seedbed Initiative on Arts in a Technology-Intensive World, 2004-2007 <http://www.seedbed-initiative.uiuc.edu/>

Director, Department of Speech Communication Computing and Instructional Laboratories, 1987-2007

Member, Steering Committee, Food Security Initiative, 2003-2007

Member, UIUC Information Technology Advisory Board, 2002-2007

Reviewer, University Research Board, 1990-2007

Department Representative, University Computing Services, 1987-2007

Co-Director, UIUC Center for Advanced Study initiative on The Age of Networks: Social, Cultural and Technological Connections, 2005-2006

Member, College of Liberal Arts & Sciences (LAS) Technology Advisory Committee, 2004-2006

Member, UIUC Center for Advanced Study/ George A Miller Program Committee, 2003-2006

Member, Search Committee, Department of Speech Communication, 2005-2006

Co-Chair, Working Group for the UIUC Center for Advanced Study, 2005-2006

Member, Search Committee, Department of Speech Communication and Sociology, 2004-2005

Member, Steering Committee, Campus Initiative on Food Security, 2002-2005

Member, Advisory Board, Illinois Program for Research in the Humanities (IPRH), 2003-2005

Member, Advisory Board, Illinois Program for Research in the Humanities, 2003-2004

Member, Steering Committee, Cross-campus Initiatives, 2003-2005

Member, Steering Committee, Ethnography of the University Initiative, 2003-2004

Member, Steering Committee, Arts & Technology Initiative, 2002-2004

Faculty Mentor and Technology Resource, UIUC's Center of Advanced Study initiative on *Who gets What? The interactions of health policy and social welfare policy*, 2003-2004

Member, Steering Committee, Madden Initiative: *Silicon, Carbon, Culture: Combining Codes Through the Arts, Humanities, and Technology*, 2001-2004

Member, Department Faculty Search Committee, 1999-2004

Member, Steering Committee, Cross Campus Initiatives, 2002-2003

Member, Tenure and Promotion Committee, Caroline Haythornthwaite, Graduate School of Library & Information Sciences, 2001-2002

Member, Department Advisory Committee, 1999-2002

Member, UIUC Search Committee for the Director of Computing and Communications Services Office, 2000-2001

Member, Faculty Senate, 1999-2001

McNair Scholar Mentor, 2000

Member, Department Advisory Committee, 1998-2000

Member, Department of Speech Communication Human Subjects Committee, 1994-1999

Department Representative, University Research Services, 1987-1999

Director, Macintosh Instructional Computing Laboratory, 1995-1997

Member, Selection Committee, Illini Tradition Awards, 1996-1997

Faculty Representative, UIUC Educational Technologies' Board, Microsoft Site Builder's Conference, November 1996
Faculty Advisor, UIUS CCSO's Virtual Classroom Initiative, 1996
Chair, Oversight Committee on Computing and Communications in the Social Sciences, 1993-1996
Chair, Area Committee on Communication Research and Quantitative Methods curricula, 1995-1996
Member, Advisory Committee of the Advanced Information Technology Program, 1995-1996
Member, Search Committee, OCCSS' Manager of System Services, 1995-1996
Member, Executive Committee, Language Learning Laboratory, 1988-1989; 1991-1996
Chair, Lincoln Hall Building Network Committee, 1992
Member, Lincoln Hall Building Network Committee, 1990-1992
Faculty Coordinator, Midwest Organizational Communication Mini-conference, 1988, 1992, 1996
Research Affiliate, Advanced Research Institute, Graduate School of Library and Information Science, 1990-1991

University of Southern California

Member, Doctoral Research Methods Committee, 1986-1987
Coordinator, Western States Communication Mini-conference, 1986
Member, Facilities and Equipment Committee, 1984-1985

PUBLIC SERVICE

Consulting Activities

Procter & Gamble, 2002-present
Livestrong Foundation, 2009
Vodafone, 2004-2007
Executive Development Associates, 2003-2005
Communication Research Associates, 1995-2001
Annenberg Public Policy Center, 1999-2000
Purdue University, 1998
Utah Transit Authority's, 1998
Amoco, 1998
Arthur Anderson, configurations of knowledge networks for Change Management Group, 1998
Stanford, 1997-1998
Steelcase Inc., 1996-1998
Merrill Lynch, 1997
Gensler Associates, 1996-1997

Anderson Consulting, 1996
 Spectrum Technologies, 1996
 DCM, 1996
 Government of India's planning commission, 1996
 Indian Institute of Mass Communication, 1996
 India's National Informatics Center, 1996
 Illinois Power, 1995-1996
 U.S. Department of Commerce, 1995-1996
 Member, Programming Committee, Champaign-Urbana Cable Commission, 1992
 Oasis Management Consultants, 1987-1990
 McDonnell Douglas Corporation, 1987-1990
 Communimetrics, Inc., 1984-1987
 First Interstate Bancorp, 1985
 KSCI-TV, Los Angeles, 1985
 Paramount Pictures, 1984

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Royal Society (2011) Profiting from the Web. **Available online at:**

http://www.littlefoxcommunications.com/webscience_trust/.

Wright, A. (2011). "Web Science Meets Network Science." *Communications of the ACM*, Vol. 54, No. 5: 23.

Vance, A. (2011). "Yammer, Chatter, Hot Water." *Bloomberg Businessweek*.

Young, J. R. (1998). Using Computer Models to Study the Complexities of Human Society. *The Chronicle of Higher Education*. Washington, D.C.

van Ammelrooy, P. (2009). Dwerf is fit, mar nogal depressief. *de Volkskrant*. Amsterdam, De Persgroep N.V.

Upton, G. (2009). NU-Q Expands Northwestern's Global Scope. *CenterPiece*. Evanston, Northwestern University: 17.

Steinberg, J. (2010). More Professors Give Out Hand-Held Devices to Monitor Students and Engage Them. *The New York Times*. New York: A14.

Nyad, D. (2006). MySpace and Growth in Online Social Networking. *To the Point*, National Public RadioKCRW.

Naper, J. (2009) NSF Award from the Office of CyberInfrastructure, Office of the Director. Project: Collaborative Research: Coupled Models of Diffusion and Individual Behavior

Over Extremely Large Social Networks.

Morin, V. (2007). Love, Virtually. COSMOS. Sydney, Luna Media Pty Ltd.

Middlebrough, K. (2006). Social Science Access Grid Seminars. N. C. f. e.-S. Science. Manchester.

Lynn, A. (2006). Assets of recent Mexican immigrants to Chicago detailed in study. Inside Illinois. Urbana-Champaign, University of Illinois at Urbana-Champaign. 26: 1-2.

Gladstone, B. and B. Garfield (2009). Game Theory. On the Media, National Public Radio, WNYC.

(2009) Professor Noshir Contractor Joins Web Science Trust. McCormick News

(2009). "Faculty Feats." Dialogue. Evanston, Northwestern University, School of Communication: 14.

Noshir Contractor (PhD, University of Southern California), Jane S. and William J. White Professor of Behavioral Sciences in the department of communication studies and director of the Science of Networks in Communities (SONIC) Laboratory, served as a moderator for a panel on media and information at the October conference "Innovation, Organizations, and Society." He has also been named a director of the Web Science Trust.

Gewin, V. (2008) The new networking nexus. NatureJobs.com 451,

(2008). Professor helps discover immigrant networks. McCormick Northwestern Engineering. Evanston, Northwestern University: 5.

(2008). "If only we knew what we know..." Annual Research Report, Northwestern University.

(2005). The Second International Conference on Communities and Technologies. Milano. U. o. M. Bicocca and U. o. Milano. Invited lecture by Noshir Contractor.

(2004) Noshir Contractor 教授受聘为我校人文学院客座教授("employed as a visiting professor"). 中国科学技术大学新闻网

Cole, Beth. (March 2001). 'Go, team, go'. Business, Kiwanis. 40.

(1993) White House Gets Advice on Electronic Communications. The Chronicle of Higher Education

Lynn, Andrea. (July 1993). [UI undergrads contribute to White House e-mail system](#). Inside Illinois. University of Illinois at Urbana-Champaign.

Associated Press. (June 1993). [UI prof, students advise White House on e-mail](#). The Champaign-Urbana News Gazette. Champaign, Illinois.