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EDUCATION

- 1990** **PhD**, University of California, Berkeley, City and Regional Planning.
1983 **Master's Degree**, University of California, Berkeley, City and Regional Planning.
1981-1982 **Master's program** in Planning and Public Policy, Harvard University, J.F.K. School of Government
1978-1981 **Diplôme d'Ingénieur Civil**, Ecole Nationale des Ponts et Chaussées, Paris, France

REGULAR POSITIONS

- Since 2003** **Associate Professor**, Annenberg School for Communication,
University of Southern California, Los Angeles, CA.
Director, Annerberg Research Network on International Communication
1995-2003 **Assistant Professor**, Department of Communication,
Stanford University, Stanford CA.
since 1995 **Senior Research Fellow**, Berkeley Roundtable on the International Economy (BRIE)
University of California, Berkeley, CA.
1995-2000 **Director, Network Research**, Stanford Computer Industry Project (SCIP)
Stanford University, Stanford CA
1994-1995 **Assistant Professor**, Department of Communication.
University of California, San Diego, CA.

VISITING POSITIONS

- March 1997** **Visiting Professor**, *Université de Paris XIII*, Sciences Economiques et Gestion, Paris, France
1991-1994 **Professeur Associé**, *THESEUS Institute* (MBA with emphasis on Strategic Use of Information Technology), Sophia-Antipolis, France
1992-1994 **Visiting Professor**, *EURECOM* (IT engineering school), Sophia Antipolis, France.
1991-1992 **Visiting Professor**, *University of Toronto*, Center for International Studies. (Joint appointment to the Bissell Chair of Canadian-American Relations), Toronto, Canada.

TEACHING

- Since 2003** **University of Southern California, Annenberg School for Communication**
Comm 345 Social and Economic Implications of ICTs
Comm 570 Economics of the Communication Industries
Comm 635 The Political Economy of Information
1995-2003 **Stanford University, Department of Communication**
Comm 137/237 Telecommunication Policy and the Internet
Comm 183/283 Media Economics
Comm 117/217 Journalism and the Internet
Comm 337G Advanced Topics in Telecommunications Policy
Comm 166/266 Communication Policy in Comparative Perspective

	Comm 103/203	Social Impact of Interactive Media (with Diana Hawkins)
	Comm 311	Theory of Communication (with Steve Chaffee)
1994-1995	UC San Diego, Department of Communication	
	Comm/SF 121	National Policies and Global Communications
	COM/HIP 111A	Communicating and Computers
1990-1994	UC Berkeley	
	MassComm190	Issues in Network Information Infrastructure Policy
	Eng298/Bus.Ad296	International Trade and Competition in High Tech. (with M. Borrus)
	Eng298	Digital Domains: The Transformation of Communications, Computing and Media (with M. Borrus)
1991-1994	Theseus Institute	
	Telecommunications in Organizations	
	Networking Technology Basics	
	Telecommunications Policy in Comparative Perspective	
	Business and Government	
	Europe 1992: Business Strategy and Government Policy	
	Telecom Policy and Corporate Networks Strategies	
1992	Eurecom	
	Corporate Network Strategy	

UNIVERSITY COMMITTEES AND ADMINISTRATIVE DUTIES

At the University of Southern California:

	<u>Annenberg School for Communication</u>
on-going	Advisor to the Dean on the Annenberg School's Technology Plan
	M.A. in Global Communication Committee
	PhD Admissions Committee
	Global Communication Conference Committee
2006-07	Annenberg Dean Search Committee
2005-06	Annenberg School Strategic Planning Committee
	"On-Line Communities" faculty search Committee
	Distance Education Committee
2004-05	Annenberg School Faculty Senate Representative (alternate)
	Search Committee, Marketing Communication
	<u>University-wide:</u>
on-going	Annenberg Center for Communication Advisory Board
	"Reshaping Politics" Initiative (SIR, Poli. Sci. and Annenberg School)
2006-07	Search Committee, Dean of the Annenberg School
2005-06	Review committee for the Center for International Studies (CIS), School of International Relations

At Stanford University:

1996-2003	Program Committee, Program in Science, Technology, and Society, Stanford University
1998-2003	Director, Media Studies Program, Dept of Communication, Stanford University
1996-2003	Advisor, Public Policy Program concentration in Business Policies, Stanford University
1997-1998	Undergraduate Curriculum Committee, Dept of Communication, Stanford University
Sept. 1997, 1998	Faculty Mentor, Honors College, Science Technology and Society, Stanford University
1997	Search Committee for Assistant University Librarian for Collection Development, SUL/AIR.

- 1996-1997** Faculty Search Committee, Chandler Chair, Dept of Communication
1995-1996 Computer and Technology Committee, Dept of Communication

EDITORIAL AND ADVISORY POSITIONS

- 2006-07** **Special Issue Editor** (with Hernan Galperin) of forthcoming special issue on Wireless Networking and Development. *Information Technologies and International Development (ITID)*, MIT Press.
since 1993 **Editorial Board**, *Communications & Strategies*.
1994-2001 **Telecommunications Consumer Advisory Panel**, Pacific Telesis, San Francisco, CA
since 1999 **Advisory Boards:** CompuMentor, Clickability, Polaris Wireless, Gradience, Kinecta, Bandwidth Financial Corp.

ADDITIONAL RELEVANT EXPERIENCE

- 1995-2000** **Senior Fellow**, *San Diego Supercomputer Center*, University of California, San Diego
1985-1995 **Program Director**, *Berkeley Roundtable on the International Economy* (BRIE), University of California, Berkeley. Responsible for BRIE's research programs on Telecommunications and Information Networking
since 1985 **Industry and Trade Strategies**, San Francisco, CA. Consulting for corporate and government clients on high-technology and strategic matters.
1992 **Expert**, *Commission of the European Communities* (CEC), Research on Advanced Communications for Europe (RACE). Evaluator of projects submitted for RACE funding, and Initiative for the Development and Promotion of Gigabit Networks and Services in the EC and USA.
1992 **Expert**, *Ontario Ministry of Communications*, Task Force on "Convergence: Policy and Regulation Affecting Local Telephone and Cable Networks"
1990-91 **Evaluator**, *Canadian Workplace Automation Research Centre*, TELNETS Project
1985-1987 **Consultant**, *Organization for Economic Cooperation and Development* (OECD) Prepared briefing documents for two high level policy meetings (CSTP and ICCP), on "High Technology and Economic Development". Assisted a team of international experts, led by Viscount Etienne Davignon, in their evaluation of France's innovation policy.

PUBLIC TESTIMONY

- 2000** **Federal Communications Commission**, Cable Services Bureau, Public Forum on the AT&T / MediaOne Merger.
1996 **California Public Utility Commission**, Testimony on behalf of the City and County of San Francisco, and Utility Consumers' Action Network (UCAN), Pacific Telesis and SBC merger proceedings.
1993 **California Senate Committee on Energy and Public Utilities**, Committee Hearing on "The Changing Market Structure in the Telecommunications Industry in California", June 29, 1993, Sacramento, CA.
1993 **California Public Utility Commission**, Full Panel Hearing on "California's Telecommunications Infrastructure", overview speaker, July 1, 1993, Sacramento, CA.

GRANTS & FELLOWSHIPS

- 2006-07** Senior Fellow, Annenberg Center for Communication, USC
2005-06 "Networked Publics" faculty fellow, Annenberg Center for Communication, USC
2003-2006 **National Science Foundation**, Wireless Ad Hoc Networks: Understanding Chaotic Communication Infrastructure (PI: Christian Sandvig, UIUC)
1999-2002 **National Science Foundation**, Knowledge and Distributed Intelligence (KDI)

- 2000-2003** **European Union**, Socio-Economic Assessment: Trends for the Digital Revolution (STAR)
- 1995-2000** SCIP work funded by a grant from the Alfred P. Sloan Foundation and the support of Industry Affiliates.
- 1985-1995** BRIE work funded through multiple sources, including grants from the German Marshall Fund of the United States, the Alfred P. Sloan Foundation, the European Commission, the Lawrence Livermore and Los Alamos National Laboratories.

MISCELLANEOUS

- 1997** Conference Committee, International Council for Computer Communication (ICCC'97)
- 1994** Conference committee and Keynote, Annual Meeting of Computer Professionals for Social Responsibility (CPSR)
- 1991** Conference Committee, International Telecommunications Society (ITS)

HONORS 1989-90 Doctoral Award, International Center for Information Technologies (ICIT)

LANGUAGES Fluent in French and English. Elementary Portuguese, Spanish, Japanese and German.

PUBLICATIONS

JOURNAL ARTICLES AND BOOK CHAPTERS

- Bar, François, and Christian Sandvig, "US Communication Policy after Convergence", *Media Culture and Society*, (forthcoming, 2007)
- Lee, Seungyoon, Peter Monge, François Bar, and Sorin Matei (2007), "The Emergence of Clusters in the Global Telecommunications Network," , 57(3), 415-434.
- Bar, François, and Jonathan Taplin, "Cable's Digital Future," in Sarah Banet-Weiser, Cynthia Chris and Anthony Frietas, editors, *Cable Visions: Beyond a Broadcast Model*, New York: New York University Press, 2007, pp. 66-84
- Galperin, Hernan, and François Bar, "The Microtelco Opportunity: Evidence from Latin America", *ITID* 3:2, 2006
- Bar & Simard, "from Hierarchies to Network Firms," in *The Handbook of New Media: Updated Student Edition*, Lievrouw, Leah, and Sonia Livingstone eds., Sage 2006 (pp. 350-363.)
- Bar, François and Hernan Galperin, "Geeks, Cowboys and Bureaucrats: Deploying Broadband, the Wireless Way" *The Southern African Journal of Information and Communication (SAJIC)*, Issue 6, 2006.
- Bar, François and Namkee Park, "Municipal Wi-Fi Networks: The Goals, Practices, and Policy Implications of the US Case," *Communications & Strategies*, No 61 (2006) (pp. 107-125)
- Bar, François and Hernan Galperin, "*Geeks, Burocratas e Cowboys: criando uma infra-estrutura Internet, de modo Wireless*", in Manuel Castells and Gustavo Cardoso, eds. *A sociedade em Rede: Do Conhecimento à Acção Política*, Imprensa Nacional – Casa da Moeda, Lisbon, 2006 (pp. 291-304.)
- Ghandeharizadeh, Shahram, Ahmed Helmy, Bhaskar Krishnamacahri, Francois Bar, and Todd Richmond, "Data Management Techniques for Continuous Media In Ad-Hoc Networks of Wireless Devices." In *Encyclopedia of Multimedia*, Furht, Borko (Ed.), Springer 2005.
- Ghandeharizadeh, Shahram, Ahmed Helmy, Bhaskar Krishnamacahri, Francois Bar, and Todd Richmond. "Data Discovery, Routing and Traffic Patterns." In *Encyclopedia of Multimedia*, Furht, Borko (Ed.), Springer 2005.

- Ghandeharizadeh, Shahram, Ahmed Helmy, Bhaskar Krishnamacahri, Francois Bar, and Todd Richmond. "Placement of Continuous Media in Ad-Hoc Networks of Devices." In *Encyclopedia of Multimedia*, Furht, Borko (Ed.), Springer 2005.
- Fulk, Janet, Rebecca Heino, Andrew J. Flanigan, Peter R. Monge, and François Bar, "A Test of the Individual Action Model for Organizational Information Commons," *Organization Science*, V. 15, N. 5, Sept-Oct. 2004, (pp. 569-585)
- Bar, François & Hernan Galperin, "Building the Wireless Internet Infrastructure: From Cordless Ethernet Archipelagos to Wireless Grids," *Communication & Strategies*, Volume 54 - 2nd quarter 2004, (pp. 45-54)
- Galperin, Hernan, and François Bar, "The regulation of Interactive TV in the US and the European Union", *Federal Communications Law Journal*, , vol 55, No. 1, December 2002 (pp. 61-84)
- Bar, François, with Caroline Simard, "New Media Implementation and Industrial Organization" in *Handbook of New Media: Social Shaping and Consequences of ICTs*, Lievrouw and Livingstone, eds., London: Sage, 2002 (pp 254-263.)
- Galperin, Hernan, and François Bar, "Open Access beyond cable: The case of Interactive TV" *Communications & Strategies*, No. 46, 2nd quarter 2002, pp 75-98.
- Bar, François, "The Construction of Marketplace Architecture" in *Tracking a Transformation: E-commerce and the Terms of Competition in Industries*, Washington, DC: Brookings Institution Press, 2001.(pp. 27-49)
- Bar, François, Stephen Cohen, Peter Cowhey, Brad DeLong, Michael Kleeman, and John Zysman, "The Next-Generation Internet: Promoting Innovation and User-Experimentation" in *Tracking a Transformation: E-commerce and the Terms of Competition in Industries*, Washington, DC: Brookings Institution Press, 2001. (pp. 435-473)
- Bar, François, Stephen Cohen, Peter Cowhey, Brad DeLong, Michael Kleeman, and John Zysman, "Access and Innovation Policy for the Third-Generation Internet", *Telecommunications Policy*, Volume 24, Nos. 6/7 (July/August 2000) (pp. 489-518)
- Bar, François, and Annemarie Munk Riis, "Tapping User-Driven Innovation: A New Rationale for Universal Service", *The Information Society*, 16:1-10, 2000.
- Bar, François, and Emily Murase, "Charting Cyberspace: A U.S.-European-Japanese Blueprint for Electronic Commerce" in Richard Steinberg and Bruce Stokes, eds, *Partners or Competitors?: The Prospects for U.S.-European Cooperation on Asian Trade*, Lanham, MD, Rowman & Littlefield Publishers, March 1999.
- Bar, François, Michael Borrus and Richard Steinberg, "Interoperability and the NII: Mapping the debate", *Information Infrastructure and Policy*, Vo. 4, No 4, 1995 (pp. 235-254.)
- Bar, François, "Information Infrastructure and the Transformation of Manufacturing", in *The New Information Infrastructure: Strategies for U.S. Policy*, W. Drake ed., 20th Century Fund, NY, 1995.
- Bar, François, "Information Networks and Competitive Advantage: Issues for Government Policy and Corporate Strategy", special issue of the *International Journal of Technology Management* on "Strategic Management of Information and Telecommunications Technology: Outlook for the 1990s", Vol. 7 (1992), Nos 6/7/8, (pp.398-408.)
- Hart, Jeffrey, François Bar and Robert Reed, "The Building of the Internet: Implications for the Future of Broadband Networks", *Telecommunications Policy*, November 1992.
- Bar, François, "Network Flexibility: A New Challenge for Telecom Policy", *Communications & Strategies*, No. 2, 1991.
- Bar, François, and Michael Borrus, "De L'Accès Public aux Connections Privées", *Réseaux*, No. 41, Mai-Juin 1990, CNET, Paris.
- Bar, François, Michael Borrus, Stephen Cohen, and John Zysman, "Electronic Technologies and Economic Development: Past Performance, Future Potential", in *STI Review*, OECD, Spring 1989.
- Bar, François, "Using Private Networks as Competitive Weapons: The Impact on the US network infrastructure", in *Le Bulletin de l'IDATE*, Montpellier, France, November 1987.

WORKING PAPERS

- Lee, Seungyoon, Peter Monge, and Francois Bar, "The Emergence of Clusters in Global Telecommunications Network," paper accepted for presentation at *ICA2006*.
- Hernan Galperin (USC) and François Bar (USC), "Diversifying Network Development: Microtelcos in Latin America and the Caribbean," presented at *Wireless Communication and Development: A Global Perspective*, Marina del Rey, October 7-8, 2005
- Bar, François, and Hernan Galperin, "Geeks, Cowboys and Bureaucrats: Deploying Broadband, the Wireless Way," Prepared for *The Network Society and the Knowledge Economy: Portugal in the Global Context*, Lisbon , March 4-5, 2005
- Bar, François, and Hernan Galperin, "Building Wireless Infrastructure: Alternative Models", paper prepared for the *International Workshop on Wireless Communication Policies and Prospects: A Global Perspective*, USC, October 8-9, 2004.
- Raja, Siddharta, and François Bar, "Transition Paths in a Spectrum Commons Regime", paper presented at the *2003 Telecommunication Policy Research Conference*, Arlington, VA, Sept 2003
- Bar, François, John Richards, and Christian Sandvig, "The Jeffersonian Syndrome: the Predictable Misperception of the Internet's boon to Commerce, Politics, and Community" (2002)
- Bar, François, and Christian Sandvig, "Rules from Truth: Post-Convergence Policy for Access", *The 28th Annual Telecommunications Policy Research Conference*, Arlington VA, Sept 23-25, 2000.
- Bar, François, with Neil Kane and Caroline Simard, "Digital Networks and Organizational Change: The Evolutionary Deployment of Corporate Information Infrastructure", *International Sunbelt Social Network Conference*, Vancouver, British Columbia, April 13-16, 2000.
- Galperin, Hernan, and François Bar, "Reforming TV Regulation for the Digital Era: An International/Cross-Industry Perspective", *The 27th Annual Telecommunications Policy Research Conference*, Arlington VA, Sept 25-27, 1999.
- Bar, François, Stephen Cohen, Peter Cowhey, Brad DeLong, Michael Kleeman and John Zysman, "Defending the Internet Revolution in the Broadband Era: Why Open Policy Has Been Essential, Why Reversing That Policy Will Be Risky," E-economy™ Working Paper 12, Berkeley, August 1999.
- Bar, François, and Annemarie Munk Riis, "From Welfare to Innovation: Toward a New Rationale for Universal Service", *The 26th Annual Telecommunications Policy Research Conference*, Arlington VA, Oct. 3-5, 1998.
- Bar, François, and Neil Kane, "Intranets and Organizational Change: The Evolutionary Deployment of Corporate Information Infrastructure", *The 26th Annual Telecommunications Policy Research Conference*, Arlington VA, Oct. 3-5, 1998.
- Bar, François, and Emily Murase, "The Potential for Transatlantic Cooperation in Telecommunications Service Trade in Asia", *Annual Conference of the International Communication Association*, Jerusalem, July 1998.
- Bar, François, and Michael Borrus, "The path not yet taken: User-driven innovation and U.S. telecommunications policy", *Fourth Annual CRTPS Conference*, University of Michigan Business School, Ann Arbor, Michigan June 5-6, 1998.
- Bar, François, Michael Borrus and Richard Steinberg, "Islands in the Bit-stream: Mapping the NII Interoperability Debate," *BRIE Working Paper #79*, Berkeley, CA: BRIE, UC-Berkeley, 1995.
- Bar, François, and Michael Borrus, *The Future of Networking in the U.S.*, Commission of the European Communities, RACE Report, Brussels, 1992.
- Bar, François, *Configuring the Telecommunications Infrastructure for the Computer Age: The Economics of Network Control*, PhD Dissertation, UC Berkeley, May 1990.
- Bar, François, Michael Borrus and Benjamin Coriat, eds., *Information Networks and Business Strategies: Issues for Competitiveness and Telecommunications Policy*, Proceedings of an OECD-BRIE

- Conference presenting the results of the OECD-BRIE Telecommunications User Group Project, OECD, Paris, and CEE, Bruxelles, October 19 and 20, 1989.
- Bar, François, and Michael Borrus, From Public Access to Private Connections: Network Policy and National Advantage, BRIE Working Paper #28, BRIE, UC Berkeley, 1987 (prepared for the 15th Telecommunications Policy Research Conference, Airlie House, VA, September 1987).
- Bar, François, and Michael Borrus, Telecommunications Development in Comparative Prospective: The New Telecommunications in Europe, Japan, and the U.S., BRIE working Paper # 14, Berkeley, March 1985.

OTHER PUBLICATIONS

- Bar, François, and Michael Borrus, "The Hidden Agenda of the Information Society: An American Perspective", in Borrus, Rathkolb and Mesner eds., *The Hidden Agenda of the Information Society: Global Trends and Local Choices*, the Kreisky Forum, Studien Verlag, Innsbruck - Vienna, Austria, 1997
- Bar, François, and Benjamin Coriat, Réseaux CAO-CFAO et Réseaux Fournisseurs/Clients: Recherche sur la Mise en Place de l'Usine Intégrée, à partir d'une Etude Comparative France-Etats Unis dans l'Industrie Automobile, Rapport au Ministère de la Recherche, LAREMI/CRIIF, Université de Paris-XIII, 1993.
- Bar, François, and Michael Borrus, Infrastructure to the Information Economy: Telecommunications and Economic Development Strategy, Final Report to the State of New York Industrial Cooperation Council, New York, 1989.
- Bar, François, and John Zysman, An Assessment of Innovations Policies: France, Organization for Economic Cooperation and Development, Directorate for Science, Technology and Industry, Paris, January 1986.
- Bar, François, "Nouvelles Technologies et Strategies Economiques", in *Rapport Annuel Mondial sur le systeme Economique et les Strategies 85/86*, Institut Francais de Relations Internationales, Atlas-Economica, Paris, 1985.
- Bar, François, and Michael Borrus, The Impacts of Divestiture and Deregulation: Infrastructural Changes, Manufacturing Transition, and Competition in the United States Telecommunications Industry, Prepared for the Office of Technology Assessment, U.S. Congress, BRIE working Paper # 12, Berkeley, September 1984.