

BRIE

Berkeley Roundtable on the International Economy

Annual Report

Academic Year 1998-1999

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Introduction

This year, BRIE led the creation of the UC E-conomy Project™, a multi-campus, interdisciplinary research effort joined by the School of Information Management and Systems, Haas School of Business, and the College of Engineering at UCB, as well as faculty groups at UC Davis, Irvine and San Diego. BRIE convened the Project's first major conference, "The Digital Economy in International Perspective: Common Construction or Regional Rivalry?" on May 27, 1999, in Washington, DC. An analytic summary of conference proceedings and additional information on the E-conomy Project™ can be found at <http://e-economy.berkeley.edu>.

In addition to publications from the "Digital Economy" conference, BRIE this year produced nineteen new working papers and a new addition to the BRIE Research Note Series. Two new books, *Enlarging Europe: The Industrial Foundations of a New Political Reality*, John Zysman and Andrew Schwartz, eds., and *The Tunnel at the End of the Light:*

Privatization, Business Networks, and Economic Transformation in Russia, Stephen S. Cohen, Andrew Schwartz, and John Zysman, eds. (IAS Publications, UC Berkeley, CA) present results from the project on "Uniting the European Economy," a joint undertaking of BRIE and the Bruno Kreisky Forum for International Dialogue, Vienna, Austria. A third BRIE book published this year—*Partners or Competitors? The Prospects for US-European Cooperation on Asian Trade*, Richard Steinberg and Bruce Stokes, eds. (Rowman Littlefield Publishers, Boulder, CO), presents the findings of a joint BRIE/Council on Foreign Relations trade policy project supported in part by the German Marshall Fund of the United States.

Other major events included a one-day retreat, January 8, 1999, led by BRIE for the Office of the U.S. Trade Representative to discuss European developments and their implications for U.S. trade policy (participants included Ambassador Charlene Barshefsky and seventy-five members of the USTR senior staff). Also, BRIE Co-Director Michael Borrus began a one-year leave on July 1, 1999, to serve as Managing Director at Petkevich and Partners, LLC, San Francisco.

Who We Are

The Berkeley Roundtable on the International Economy (BRIE) is an interdisciplinary research project that focuses on the interactions of international economic competition and the development and application of advanced technologies. Founded by a group of faculty at the University of California at Berkeley in 1982, BRIE quickly became one of the leading intellectual voices debating government policy and business strategy in America.

BRIE's research concentrates on the different ways industrialized economies create competitive advantage and how these differences affect international economic and political relations. BRIE simultaneously seeks to understand how America can sustain its own economic development and maintain leadership.

Through dozens of articles, editorials and books—including the landmark *Manufacturing Matters*, and, more recently, *The Highest Stakes* and *Who's Bashing Whom?*—BRIE has earned the respect of academia, business and both sides of the aisle in Washington. In 1984, BRIE drafted for President Reagan's *Commission on Industrial Competitiveness* what is now the commonly accepted definition of competitiveness. In 1993, President Bill Clinton appointed one of BRIE's directors, Laura D'Andrea Tyson, to chair the President's Council of Economic Advisers and in 1995 named her to head the National Economic Council.

Bringing together UC faculty, business leaders, and scholars from around the world, BRIE continues to pioneer the effort to understand our rapidly changing global economy, leading James Fallows, former editor of *US News & World Report*, to call BRIE "a national asset."

What We Do

Since the early 1980s, BRIE has been well ahead of the curve in analyzing competition in the development and use of new technologies, and in exploring the impact of new technologies on economic growth. BRIE research has shown how who wins and who loses in the international race to develop and apply technology is dramatically influenced by firm strategies, national policies and home-market logics. Ongoing BRIE research examines competition in technologies which pervasively reshape industrial production throughout the advanced economies.

BRIE is also centrally concerned with the American system of public support to new technology development and commercialization. America's five-decades system of defense-driven "spin-off" of new technologies appears hopelessly anachronistic in a post-cold war world where U.S. technological leadership can no longer be taken for granted. BRIE continues to examine how America can adapt its technological strengths, generate new capabilities, and convert cold war assets to commercial benefit.

Competing Capitalisms and Regionalization

BRIE research has shown that the major industrialized economies are structured differently, imparting to each particular advantages and disadvantages in producing goods and services. A myriad of market institutions and linkages that tie together activities, people, and organizations act to create distinctive production environments that are quite different from simple packages of "factors of production."

These national economies are rapidly, but in uncertain and uneven ways, expanding beyond national borders to create three giant regional economic zones with distinctive production capabilities, activities and know-how: a North-American zone, a newly emerging Asia-Pacific zone, and a giant European zone with uncertain boundaries. BRIE work suggests that competition, though carried out by firms, will increasingly concentrate between and among these regional production systems.

BRIE's path-breaking work on trade and investment has demonstrated how conventional economic understandings often fail to grasp the central dynamics of industrial competition in the advanced economies. BRIE research has strongly supported the propositions that national comparative advantage is created not revealed, that high-tech trade patterns are massively influenced by domestic policies, and that what a nation produces and trades—the composition of domestic production—matters mightily to long-term growth and prosperity.

BRIE's new research seeks to demonstrate how the steadily increasing importance of foreign direct investment and enduring differences between national political economies challenge the traditional goals and structure of the international trading system.

Grant Projects

◆ Alfred P. Sloan Foundation

The Next Generation: New Forms of Production and Organization in the International Economy

The Sloan Foundation provides broad-based support for the BRIE research agenda, namely issues of production organization, characteristics of economic relations within the increasingly heterogeneous Asian region, the changing role of the United States in the Asian economies, and the effect of China's development on flows of commerce in Asia. The Sloan Foundation grant also contributes to increasing the visibility and impact of BRIE's research through publication of working papers and by extending public information efforts. BRIE graduate students, Post-doctoral Fellows, and international visiting scholars enjoy support from the Sloan Foundation. The grant also provides start-up funds for new BRIE research projects and for ongoing efforts to establish a stable, secure funding base.

Technological Blindsiding: How Information Technology Is Creating Discontinuous Change in Business Models

The Sloan Foundation is also providing BRIE funding to initiate a study of the impacts of "technological blindsiding" on established firms – a phenomenon expected to increase substantially over the next decades as information technology becomes more pervasive, especially given its extremely rapid rate of progress (10 times every 5 years in key underlying information technologies).

◆ United States-Japan Foundation

Trilateral Forum on China-Japan-US Cooperation in the Liberalization of Trade and Investment in the Asia-Pacific Region

BRIE's Trilateral Forum brings together a senior group of public and private-sector representatives from China, Japan and the United States for the purpose of addressing issues involved in the liberalization of trade and investment in the Asia-Pacific region. This

three-year project, created in 1996 with support from the US-Japan Foundation and in collaboration with Japan's Dentsu Institute for Human Studies (DIHS) and China's Council of Policy and Strategy (CPS), met in Tokyo in 1996, and Shanghai in 1997. First-year work used these meetings to develop an understanding of the three national groups' perspectives on broad issues surrounding liberalization. In its second year, the Forum met in Berkeley, November 11-12, 1997, to address finance and currency issues (including the current SE Asian crisis), problems of system friction (with a particular emphasis on China's mixed economy and its role in the liberalization process), and continuing US-Japan economic tensions. The following meeting in Tokyo continued to explore policy options intended to avert or resolve conflicts in the trade liberalization process. In its final year, the Forum met in Shanghai, December 10-12, 1998, to examine how the Asian Economic Crisis affected financial and trade liberalization in the Asia-Pacific region. Discussion also focused on environmental and energy issues, and information technology developments. The final meeting in Berkeley, originally scheduled for May 20-22, 1999, was postponed in the wake of NATO bombing of the Chinese Embassy in Belgrade. The meeting is being rescheduled to January 2000.

◆ German Marshall Fund of the United States

Recreating the Market: The Emerging Dynamics of Competition in an Electronic Era

The German Marshall Fund of the United States granted launch funding to BRIE for European-American policy research and discussion project. The project's purpose is to explore jointly the unfolding character of the new information-based/network-based economy as well as to examine possible common policy interests and identify possible policy conflicts. The project builds on work already underway at BRIE and reflects and incorporates the optics and perspectives of the West Coast policy and business communities.

For the project, BRIE organized a two-day meeting on Issues in Global Electronic

Commerce held May 6 & 7, 1999, in collaboration with the European Union Center of California at the Claremont Colleges and the University of Southern California. That meeting helped develop material for a larger BRIE conference held May 27 in Washington, DC, on "The Digital Economy in International Perspective: Common Construction or Regional Rivalry?" The purpose of this conference was to frame an international dialogue on corporate strategy and public policy in the common construction of the digital economy. Participants included David Beier, Chief Domestic Policy Advisor, Office of the Vice President; Andrew Pincus, General Counsel, U.S. Department of Commerce; Elliot Maxwell, Special Advisor to the Secretary of Commerce for the Digital Economy, U.S. Department of Commerce; Erika Mann, Member of European Parliament; Don Cruickshank, Chairman, Action 2000, Department of Trade and Industry, U.K. and former Director General, Office of Telecommunications, U.K.; and Regis McKenna, Chairman and CEO, Regis McKenna Inc., who closed the conference with an eloquent description of the possibilities of the digital revolution. Conference proceedings are available in E-conomy Project Working Paper #1 or at <http://e-conomy.berkeley.edu/events>.

Implications for U.S. Trade Policy of European Enlargement and the Introduction of the Euro

On January 8, 1999, BRIE held a one-day retreat for the Office of the U.S. Trade Representative to discuss European developments and their implications for U.S. trade policy. Participants included Ambassador Charlene Barshefsky and seventy-five members of the USTR senior staff, including directors of the offices of Europe, Agriculture, Industry, Services, Investment and Intellectual Property. Chaired by BRIE Co-Directors Stephen Cohen and John Zysman, the session brought together preeminent scholars and practitioners in trade, currency policy, and economics. The session provided an in-depth and focused account of the potential ramifications of two recent developments—enlargement of the European Union and the adoption of the Euro, Europe's new single currency—and their implications for U.S. trade policy. Ambassador Barshefsky noted that "the meeting allowed us to focus on this difficult topic in a concerted way with a very talented group of facilitators" and called the session "wonderful, informative and thought-

provoking."

Speaking on governance issues in the enlarged European Union were Helen Wallace, Director of the Sussex European Institute, Sussex University, and Jean Pisani-Ferry, Senior Advisor to the French Ministry of Finance. Speakers on the new currency included Lewis Coleman, CEO of Montgomery Securities; Robert Hormats, Vice Chairman of Goldman, Sachs and Company; and C. Randall Henning, Associate Professor, School of International Service, American University and Visiting Fellow, Institute for International Economics. Sectoral specialists included Professor Timothy Josling of Stanford University (Agriculture); Professor Peter Cowhey of the Graduate School of International Relations and Pacific Studies, U.C. San Diego; and Michael Borrus, Co-Director, BRIE (Telecommunications). The session concluded with a presentation on implications for U.S. policy by Professor Richard Steinberg of the UCLA School of Law and an open discussion involving all of the panelists.

European Enlargement and Business Reorganization

On November 17, 1998, and March 25, 1999, BRIE organized and hosted in Vienna, Austria, two high-level policy conferences on the role of cross-national production networks in European integration. Held in collaboration with the Bruno Kreisky Forum for International Dialogue, Vienna, and with the support of the German Marshall Fund of the United States, the events served to complete BRIE's three-year study on European enlargement and business networks, and allowed participants to discuss outcomes and policy implications of the project.

From its inception in 1996, the project sought to examine the impact of the addition of the former Soviet Bloc countries to the Western European economic region. In the process of eastward expansion, traditional concerns of security and political influence have been supplemented by new, if often poorly articulated, concerns with the actual restructuring of industrial and economic activities that must underpin a successful regional adaptation. Using the American competitive response to Asian production strategies (i.e., the development of "Wintelist" strategies and Cross-National Production Networks) as an

analytic lens, BRIE researchers and participants in this series of conferences examined the potential benefits such strategies might provide for the effort of Eastern extension.

Taken together, the two meetings—and the project as a whole—proved successful in focusing attention on the profound opportunities presented by these historic developments. Participants, including policymakers, business leaders and academics from Europe and the United States, came away with a new sense of the rapidly-changing dynamics of international industrial competition, and of the potential for a new Europe to enter this competition as a powerful player.

◆ **Bruno Kreisky Forum for International Dialogue**

Collaborated in hosting the above-mentioned meetings in Vienna.

◆ **European Commission**

The Evolution of Corporate Information Networks and Business to Business E-Commerce

This project, undertaken in collaboration with the Copenhagen Business School, has created the European extension of an on-going Berkeley-Stanford project on the evolution of corporate information systems and business-business electronic commerce. It is based on past work in this area confirming that, because businesses are "creative first users" willing to pay a premium to bring new technical and market capabilities into existence, business (rather than consumer) applications are likely to be the principal drivers of the new forms of commerce and of their underlying information infrastructure. The project's explicit purpose is to understand network evolution using both case studies and broader data-based analyses to explore its competitive significance and limits and to analyze the competitive impacts of national variations in regulatory policy, drawing conclusions for business strategists and public policy makers alike. The project is part of a new and larger undertaking to evaluate the new technologies' impact in the reorganization of industrial competition.

◆ Lawrence Livermore National Laboratory

Strategic Planning for Industrial Partnering

The end of the Cold War and the perceived reduction in military threat from the former Soviet Union has required a reconsideration of what goals, activities, and organizational structures are appropriate for the national laboratories in the United States. It is clear that the military research and development mission of the weapons labs will diminish; it is less clear whether and how that mission will be replaced by non-military pursuits.

Simultaneously, there is concern that a relative decline in US economic and technological strength has been caused partly by insufficient government support for non-military research and development, and an inadequate institutional structure for such support. BRIE research is contributing to LLNL's aims to redefine appropriate US Government policies on the direction of technology research and development, the role of the national laboratories in such activities, and the development of strategies and mechanisms for their implementation.

◆ Los Alamos National Laboratory

The Industrial Technology Supply Base (ITSB) Project

This LANL-BRIE project shares the context of changing national needs described above. Specific objectives include:

- Evaluate the role and missions of Los Alamos National Laboratory (LANL) and other multiprogram national laboratories in a national research and development infrastructure that is newly calibrated to boost the long-term competitive performance of American industry.
- Provide an intellectual and practical foundation to establish the economic and technological links common to both military and commercial applications; improve

LANL's capacity to find suitable private-sector partners for joint work; and improve the receptivity of private industry to such overtures.

- Explore international technical trends and market dynamics in three technology areas of particular interest to the Lab—telecommunications, chemicals, and microelectrical mechanical systems (nanotechnology/microsystems).

Study Group

China Study Group

The BRIE China Study Group is designed to facilitate discussion of ongoing and new research among an interdisciplinary group of faculty and graduate students, which includes participants from Journalism, Economics, City and Regional Planning, Law, Business, and Political Science. Created in the Spring of 1998, the Group is structured for work in two stages: (1) "Inside China," which focuses on China's ongoing political and economic transformation; and (2) the "China factor" in the changing dynamics of the Pacific Rim regional economy. The first stage, which extended into the Fall 1998 semester, was aimed at understanding the evolution of China's capabilities and strategies for taking part in the regional and world economies. Guest speakers included Professor Barry Naughton, Economics, UCSD; Professor Yingyi Qian, Economics, Stanford; and Professor Dorothy Solinger, Political Science, UC Irvine. During Stage II (Fall 1998-Spring 1999), the group widened its focus to examine the interaction between China's internal developments and its role in the Pacific Rim. As China's rocket-like increase in trade and foreign direct investment becomes a prevailing influence upon the regional economic architecture, its changing role in the Pacific Rim will continue to be a main focus of the group's discussions.

BRIE Meetings, Conferences and Events

China Study Group Meetings

- Doug Guthrie, "The Transformation of the Chinese Firm, with Implications for China Policy," October 9, 1998.
- Tom Stahl and Tim Fitzpatrick, "The Political Economy of Telecommunications Reform in China and Implications for US Business," November 4, 1998.
- Lu Feng, "State, Market, and Enterprise: The Transformation of Chinese State Industry," March 8, 1999.
- Keun Lee, "China and the East Asian Model of Business and Economy: Is China Going to Leapfrog the Model?" May 3, 1999.

Chairman and CEO, BULL, France, Guy de Panafieu, met with BRIE Directors, October 9, 1998.

UK Secretary of State for Trade and Industry, Peter Mandelson and an accompanying delegation of British academics and entrepreneurs had a luncheon discussion with BRIE Directors and faculty affiliates, October 15, 1998.

"Foreign Direct Investment and Trade with ECE and Russia," Bruno Kreisky Forum, Vienna, November 17, 1998.

BRIE Webportfolio Project Meeting, Copenhagen, December 8, 1998.

Trilateral Forum: US-Japan-China Cooperation in Promoting Liberalization of Trade and Investment in the Asia-Pacific Region

- Shanghai Meeting, Hotel Jin Jiang Tower, December 10-12, 1998.

BRIE Briefing for Ambassador Charlene Barshefsky and USTR senior staff, Madison

Hotel, Washington, DC, January 7-8, 1999.

"Are the Scandinavians the Real Challenge?" University of California, Berkeley, January 29, 1999.

Dinner and discussion on US and EU telecommunications policy with Elliot Maxwell, Special Advisor to the US Secretary of Commerce; Klaus-Dieter Scheurle, head of German telecommunications regulation; and Don Cruickshank, former head of the British telecom regulatory agency, Women's Faculty Club, University of California, Berkeley, March 3, 1999.

"The Economic Reconstruction of Europe: How Can European Business Take Advantage of Emerging Production Networks?" Bruno Kreisky Forum, Vienna, March 25, 1999.

"Imaging a Japanese Recovery: What Might a Recovery Look Like," co-organized with Japan Society of Northern California, World Affairs Council, San Francisco, April 23, 1999.

"Conference on Issues in Global Electronic Commerce," Annenberg Center for Communication, University of Southern California, Los Angeles, California, May 6-7, 1999.

The Digital Economy in International Perspective: Common Construction or Regional Rivalry? The Willard-Intercontinental, Washington, DC, May 27, 1999.

Speeches, Conference Participation by BRIE Principals

July 1998

KQED-FM Live Forum, "An Assessment of the Asian Economic Crisis and the Impact on Technology Companies in Silicon Valley," with Phil Lemmons and Rafiq Dossani, San

Francisco, California, July 10, 1998. Michael Borrus.

"China/U.S. Relations in the Twenty-First Century: Fostering Cooperation, Preventing Conflict," organized by the Chinese People's Institute for Foreign Affairs (CPIFA), The Asia Foundation, the Pacific Council on International Policy, and the American Assembly, Presidio, San Francisco, California, July 10-12, 1998. Michael Borrus.

August

Comments on Asian Economic Crisis, with Brian Banmiller of Channel 2, August 17, 1998. Stephen Cohen.

September

"From the Asia Crisis to the Euro: New Perspectives on Global Business Models," in Northern California Electronics Executive Summit, Session III, San Jose, California, September 9, 1998. Michael Borrus.

American Political Science Association Annual Meeting, "Comparing Financial Systems: Perspectives from Political Economy," Boston, Massachusetts, September 5-6, 1998. John Zysman, Panel Chair.

Comments on Impact of Two Large Bank Mergers — Bank of America and NationsBanc, Wells Fargo and Norwest, with Francine Brevetti of the Oakland Tribune, September 22, 1998. Stephen Cohen.

October

UC Berkeley Institute for International Studies/Department of Economics, "Economic Monetary Union: Getting the Start Game

Right," Berkeley, California, October 12-13, 1998. John Zysman, Panelist and Presenter.

Social Science Research Council Workshop, "Financing Major Innovations," New York,

New York, October 22-23, 1998. John Zysman, Panelist.

Sloan Foundation Globalization of Industry Conference, Yountville, California, October 23-24, 1998. Stephen Cohen, Panel Chair.

November

State of the World Forum Annual Conference, "Governance and the East Asian Economic Crisis," San Francisco, California, October 27-November 1, 1998. John Zysman, Panelist.

Economic Panel Discussion "Turbulent Times in Our Industry" at the International Trade Partners Conference, organized by SEMI (Semiconductor Equipment and Materials International); Maui, Hawaii, November 9-12, 1998. Stephen Cohen.

January, 1999

Comments on the Local and Social Economic Development with Dr. Andres Roemer of International Cable Channel in Mexico City at "Esfera Publica" (Public Sphere); Debate Program about Public Policy Issues in Latin America, Mexico City, Mexico, January 18, 1999. Stephen Cohen.

Presentation on "International Technology Alliances and Foreign R&D Participation" to the Director of Industrial Partnerships and Commercialization, Lawrence Livermore National Laboratory, California, January 22, 1999. Stephen Cohen and John Zysman.

"Grand Vision for Korea and the Telecommunications Industry," at the Northeast Asian Telecommunications in the Twenty-First Century: The Case of Korea Telecom, organized by the East-West Center, Honolulu, Hawaii, January 21-22, 1999. Michael Borrus.

"Property Rights and Economic Regulation" UC Berkeley Center for German and European Studies Conference, "Liberalism and Change: Political Rights and Economic Capacities in Germany and the United States," Berkeley, CA, January 22-24, 1999. John Zysman, Chair.

February

"Forces Shaping Our Future: Predictions and Scenarios," at the UC Berkeley Institute for Industrial Relations Center for Organization and Human Resource Effectiveness, "Forces Shaping Our Future and Organizational Responses in 2010," Berkeley, California, February 1, 1999. John Zysman, Presenter.

"Asia: One Year Later," at the U.S. Display Consortium (USDC) Business Conference: Display Applications for the New Millennium, San Jose, California, February 2, 1999. Stephen Cohen, Presenter.

UCLA Center for European and Russian Studies Conference, "Enlargement of the European Union," Los Angeles, CA, February 25-27, 1999. John Zysman, Keynote Speaker.

"Will Post-Euro Europe Be a Stronger Competitor for the U.S.?" World Affairs Council of Northern California Conference, "Europe After the Euro," Palo Alto, CA, February 27, 1999. John Zysman, Presenter.

March

"Privatization Protection in Electronic Commerce: Government or Private Responsibility?" Berkeley Center for Law & Technology Conference, "The Legal and Policy Framework for Global Electronic Commerce," Berkeley, California, March 5-6, 1999. John Zysman, Panel Moderator.

May

Dinner Meeting and Presentation by the Department of Trade and Industry on Telecommunications Policy, British Consul General, San Francisco, California, May 11, 1999. Stephen Cohen.

"ICT and Innovation," at the National Science Foundation and Organization of Economic Cooperation and Development Conference, "Measuring Knowledge in Learning

Economies and Societies," Washington, DC, May 17-18, 1999. John Zysman, Presenter.

Publications

Borrus, Michael. "Industrial Innovation and Industrial Transformation: The Emergence of the E-conomy," with François Bar, presented at the Conference, "Digital Economy in International Perspective: Common Construction or Regional Rivalry?" The Willard-Intercontinental, Washington, DC, May 27, 1999.

Borrus, Michael and Stephen Cohen. "Completing the Circuit: The Transatlantic Initiative in Information Technology," in Richard Steinberg and Bruce Stokes, eds., *Partners or Competitors? The Prospects for U.S.-European Cooperation on Asian Trade*, 1999, Rowman & Littlefield Publishers, Inc., Maryland.

Cohen, Stephen, Andrew Schwartz and John Zysman, eds., *The Tunnel at the End of the Light: Privatization, Business Networks and Economic Transformation in Russia*, IAS Publications, 1998, Berkeley, California.

Cohen, Stephen. "Social Capital and Capital Gains: Virtual Bowling in Silicon Valley," with Gary Fields, *California Management Review* 41 (2), Winter 1999, Haas School of Business, University of California, Berkeley, California.

Cohen, Stephen. "The Variable Geometry of Asian Trade: Trade and Competitiveness in North American-East Asian Interdependence," with Paolo Guerrieri, in Anderson, Cohn, Day, Howlett, and Murray, eds., *Innovation Systems in a Global Context: The North American Experience*, 1998, McGill-Queen's University Press, London.

Cohen, Stephen. "Building China's Information Technology Industry: Tariff Policy and China's Accession to the WTO," *Asian Survey* 38 (11), November 1998.

Cohen, Stephen. "Deeper into the Tunnel," with Andrew Schwartz, in Cohen, Schwartz,

and Zysman, eds., *The Tunnel at the End of the Light: Privatization, Business Networks and Economic Transformation in Russia*, 1998, IAS Publications, University of California Berkeley, California.

Zysman, John and Andrew Schwartz, eds., *Enlarging Europe: The Industrial Foundations of a New Political Reality*, 1998, IAS Publications, University of California, Berkeley.

John Zysman and Andrew Schwartz, "Reunifying Europe in an Emerging World Economy: Economic Heterogeneity, New Industrial Options and Political Choices" in *Journal of Common Market Studies* Volume 36, No. 3: September 1998.

BRIE Working Paper Series

WP 135: The Policy Study Group on China-Japan-US Cooperation in Asia-Pacific Regional Trade and Investment Liberalization (Trilateral Forum)—Interim Report: An American Interpretation, BRIE, 1998.

WP 134: A Developmental German State? Explaining Growth in German Biotechnology and Venture Capital, Karen Adelberger, 1999.

WP 133: Coming to Terms with a Larger Europe: Options for Economic Integration, Helen Wallace, 1998.

WP 132: Social Capital and Capital Gains, or Virtual Bowling in Silicon Valley, Stephen Cohen and Gary Fields, 1998.

WP 130: The Internationalization of the Baltic Economies, Niles Mygind, 1998.

WP 129: Implicit Development Strategies in Central East Europe and Cross-National Production Networks, Ellen Comisso, 1998.

WP 128: Globalization of Production in the Textile and Clothing Industries, Giovanni

Graziani, 1998.

WP 127: What Future for the Integration of the European Union and the Central and East European Countries?, Alain Henriot and András Inotái, 1998.

WP 126: Building Production Networks in Central Europe: The Case of the Electronics Industry, Greg Linden, 1998.

WP 125: The External Sector, the State, and Development in Eastern Europe, Barry Eichengreen and Richard Kohl, 1998.

WP 124: Trade Patterns, Foreign Direct Investment, and Industrial Restructuring in Central and Eastern Europe, Paolo Guerrieri, 1998.

WP 123: Using Industrial Capacities as a Way of Integrating Central-East European Economies, Constanz Kurz and Volker Wittke, 1998.

WP 122: Dealing with Diversity: The Challenges for Europe, Jean Pisani-Ferry, 1998.

WP 121: International Production Networks in the Auto Industry, Rob van Tulder and Winfried Ruigrok, 1998.

WP 119: Why Now? A Transatlantic Initiative in Information Technology, Michael Borrus and Stephen Cohen, 1998.

WP 118: Foreign Participation in US-Funded R&D: the EUV Project as a New Model for a New Reality, Michael Borrus, 1998.

WP 117: Product and Raw Material Eco-Labeling: The Limits of a Transatlantic Approach, Jim Salzman, 1998.

WP 116: The Potential for Transatlantic Cooperation in Intellectual Property in Asia, Benedicte Callan, 1998.

WP 115: US-EU Cooperation in Competition Policy in Asia: Trade Policy at the Newest

Frontier, Alan W. Wolff and Thomas Howell, 1998.

Personnel

Principal Investigators/Co-Directors

Michael Borrus, Adjunct Professor of Engineering

Steve Cohen, Professor of City and Regional Planning

John Zysman, Professor of Political Science

Staff

Dan Adler, Administrative Assistant

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Naseem Badiey, Administrative Assistant to John Zysman

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Noriko Katagiri, Administrative Assistant; Publications Coordinator

Gina Pham, Administrative Assistant

Kristin Miller, Administrative Assistant

Ann Mine, Administrative Specialist; Project Coordinator

Jim Stockton, Administrative Assistant to Stephen Cohen

Graduate Fellows, Research Assistants and Affiliates

David Bach, Graduate Student, Political Science

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Martin Beaversdorf, Graduate Student, Political Science

Yvonne Chiu, Graduate Student, Political Science

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Paul Pitman, Post Doc;Editor

Barak Richman, Graduate Student, Business

Annina Ruottu, Post Doc;Research

Andrew Schwartz, PhD Candidate, Political Science

Sara Watson, Graduate Student, Political Science

Matthew Zook, PhD Candidate, City and Regional Planning

Visitors, Guests and Participants

Don Abelson, Assistant USTR, Office of the U.S. Special Trade Representative

Curt Anderson, Ministry of Transport and Communications, Sweden

David Andrews, Co-Director, European Union Center of California, Scripps College

Jonathan Aronson, Director, School of International Relations, University of Southern California

Richard Atkinson, President, University of California

Wally Baer, Rand Institute

Bernard Bailbé, Institute National du Travail, de l'Emploi et de la Formation Professionnelle, France

Fred Balderston, Professor, Haas School of Business, University of California, Berkeley

François Bar, Assistant Professor, Communications, Stanford University

David Beier, Chief Domestic Policy Advisor, Office of the Vice President of the U.S.

Mario Benasi, Department of Computer and Management Sciences, University of Trento and Chief Knowledge Officer of Telecom Italia

Joël Bonamy, Gate (Groupe d'Analyse et de Théorie Economique), France

Karl P. Bosshard, 3M, Switzerland

Heinz Brasic, Managing Director, Nokia, Austria

Eric Brewer, EECS, University of California, Berkeley

Kelly Carnes, U.S. Department of Commerce

Carlos Casaus, Director General, Telecommunications and Interactive Education, SC Mexico

Jyun-Sheng Chang, Department of Computer Engineering, Tsing Hua University, Taiwan, R.O.C.

Benjamin Cohen, Department of Political Science, University of California, Santa Barbara

Elie Cohen, Director of Research, CNRS, France

Lewis Coleman, Chief Executive Officer, Montgomery Division, NationsBanc Montgomery Securities

Peter Cowhey, Professor, Director, IGCC, University of California, San Diego

David Cox, President and CEO, Blue Kite Solutions

Don Cruickshank, London School of Economics, formerly Director General of OFTEL, Department of Trade and Industry, U.K.

William Daley, US Secretary of Commerce

Antonio Barros de Castro, Professor of Economic Policy at the Federal University of Rio de Janeiro and a member of the Council of the Instituto Naional de Altos Estudos, Brazil

Brad De Long, Professor, Economics, University of California, Berkeley

Guy de Panafieu, Chairman and CEO, BULL, France

Jean-Claude Derian, Consultant, Paris

Vladimir Dlouhy, former Minister of Trade and Industry of the Czech Republic

John Dryden, Head and Director of ICCP, Science Technology and Industry, OECD

Brigitte Ederer, City Counselor for Financial Affairs, Vienna.

Charles Edquist, Professor, Technology and Social Change, Linköpings University, Sweden

Rino Agung Effendi, Vice President and Chief Economist, Danareksa, Indonesia

Gabriel Eichler, CEO of VSZ in Koskice, Slovakia

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Wolf-Dieter Fahrenbruch, German Telecom'

Szabolcs Fazakas, Managing Partner, HIP Consulting Ltd.m., Member of the Board BNP Dresdner Bank,
Member of the Board ERT-EBL, Hungary

Stuart Feldman, IBM Institute for Advanced Commerce

Lu Feng, School of International Affairs, Columbia University

Domenico Ferrari, Professor, CRATOS, Universita Cattolica, Italy

Manfred Fiedler, Managing Director of the Philips Bundling Center in Szekesfehervar, Hungary

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