

TPRC Presents The 30th Research Conference on Information, Communication, and Internet Policy

September 28-30, 2002

Hilton Hotel at Mark Center • 5000 Seminary Road, Alexandria, Virginia 22311 • (703) 845-1010

TPRC is an annual forum for scholars engaged in publishable research on policy-relevant telecommunications and information issues, and public and private sector decisionmakers engaged in communications and information policy. The purpose of the conference is to acquaint policymakers with the best of recent research and to familiarize researchers with the knowledge needs of policymakers.

Tutorials

Patriot Act After 1 Year
 Saturday 2:00 - 3:15 pm

Alan Davidson, Center for Democracy and Technology; Prof. Orin Kerr; George Washington University Law School; members of the law enforcement community and the private sector

This tutorial will provide an overview of the Patriot Act and investigates some of the arguments both for and against the Act. Our speakers represent various perspectives on the legislation and will discuss some of the pragmatic difficulties of implementing the Act's provisions, as well as the constitutionally based questions it raises.

Comparing Telecommunications Policy Choices Among the U.S., Canada, and the EU Through Examination of Varying Governance Structures
 Saturday 3:30 - 5:30 pm

Martin Cave, Brunel University in the United Kingdom

Jean Paul Simon, France Telecom

Willie Grieve, Telus, Canada

Peter Cowhey (invited), University of California, San Diego

Plenary Sessions

Saturday dinner plenary
 Whatever Happened to the Digital Divide?

Speaker: Larry Irving (Invited)

Larry Irving is the former Assistant Secretary for Communications and Information for the National Telecommunications and Information Administration in the Department of Commerce.

Sunday lunch plenary

Speaker: Barry Steinhardt

Barry Steinhardt is Associate Director of the American Civil Liberties Union (ACLU) and Chair of the ACLU Cyber-libraries Task Force.

Presentation of the Student Paper Competition Awards

Sunday Night Social Event

"The First Annual Telecoms Policy Cup"

Neither LISREL dexterity nor PowerPoint prowess nor intimate knowledge of legislative intent will give you the advantage in Sunday's all-fun, no sweat sports competition. Recruit your partner now ... and pack your sneakers!

Scholarships

TPRC encourages attendance from a wide range of academic, nonprofit, government and industry organizations. We have limited funds available to provide travel and hotel expense assistance for nontenured faculty and representatives of not-for-profit public interest groups. All are welcome to apply. Preference will be given to those who have not attended previously. Please send an e-mail to the Program Committee at cannon@cybertelecom.org with the subject "TPRC Scholarship." State your affiliation, your areas of research or interest in Internet and telecoms policy, and your reason for seeking funding. Please specify whether you will need travel assistance, hotel assistance, or both. The Program Committee will notify all applicants by the end of the first week in September of the outcome of their application. All air and train reservations will be made directly by our travel agency. Automobile mileage will be considered (\$.30 per mile) for distances of up to 600 miles round-trip.

Conference Venue

TPRC will be held at the Hilton Hotel in Alexandria, Virginia. The Hilton offers a health club, indoor/outdoor swimming, racquetball, and tennis courts. In addition, you will find walking/jogging trails in the adjacent Winkler Nature Park. Check-in time is 3:00 pm. Check-out time is 11:00 am.

TPRC is held in a relaxed atmosphere. Casual clothing is appropriate.

TPRC Sponsors (as of July 25)

The John D. and Catherine T. MacArthur Foundation
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TPRC 2002

c/o Danya International, Inc.
 8737 Colesville Road, Suite 1200
 Silver Spring, MD 20910

TPRC 2002 Schedule

Saturday, September 28	2:00-3:40 pm Paper sessions – Interconnection, ISPs and Internet Backbones, SPECIAL PANEL: Entering the Debate, Influencing the Agenda, Continued, and Intellectual Property
1:00 pm-7:00 pm Registration	
2:00-5:30 pm Tutorials	
5:30-6:30 pm Reception	
6:30-7:30 pm Dinner	
7:30-9:00 pm Opening plenary session – Whatever Happened to the Digital Divide?	
Sunday, September 29	6:00-7:00 pm Reception
7:30 am-4:00 pm Registration	7:00-9:00 pm Dinner and social event
7:30-8:30 am Breakfast	Monday, September 30
8:30-10:10 am Paper sessions – Broadband Policy, Deployment, and Uptake in the U.S., Regulation and Code, New New Economy, and Privacy	7:30am-12pm Registration
10:10-10:40 am Coffee break	7:30-8:30 am Breakfast
10:40 am-12:20 pm Paper sessions – Broadband Policy, Deployment, and Uptake in International Markets, Concepts of Cyberspace, Standards, and Economic Growth	8:30-10:10 am Paper sessions – Spectrum 1, Innovation, User Studies, and Technology and Education Policy
12:20-1:50 pm Lunch and plenary session – speaker: Barry Steinhardt	10:10-10:40 am Coffee break
	10:40 am-12:20 pm Paper sessions – Spectrum 2, Security, Private Governance, and Community Networks
	12:20-1:50 pm Lunch and closing session

Transportation

The Hilton provides complimentary transportation between the hotel and National Airport, the Pentagon Metro and the Pentagon City Mall Metro during the hours of 6:00am to 11:00pm. For pick-up, please call (703) 845-1010.

From Dulles Airport, the Washington Flyer is available to shuttle you to National Airport, where you can call for the complimentary shuttle to the Hilton.

Driving Directions

From National Airport or Downtown

Washington, DC: Take I-395 South towards Richmond. Follow for seven miles. Exit at #4 Seminary Road West. Continue for one block. Make a left at the light. The Hilton is located on the left.

From Dulles Airport: Take Dulles Access Road to I-495 South towards Richmond. Take I-395 North towards Washington, DC - Exit Left. Stay on I-395 North - Exit #4 Seminary Road West. Continue for one block. Make a left at the light. The Hilton is located on the left.

From Baltimore: Take I-95 South to Virginia for approximately 30 miles. Take Exit I-395 North towards Washington, DC. Exit #4 Seminary Road West. Continue for one block. Make a left at the light. The Hilton is located on the left.

Parking is available at the back of the hotel for \$5.00 per day.

TPRC 2002 Paper Sessions - Sunday, September 29, and Monday, September 30

	Physical Network	Logical Network	Applications	Content
Sunday 8:30 am – 10:10 am	Broadband Policy, Deployment, and Uptake in the U.S. Whither Broadband Policy? - <i>Johannes M. Bauer, Ping Gai, Junghyun Kim, Thomas A. Muth, and Steve S. Wildman</i> Broadband: Bringing Home the Bits Broadband - <i>Jon Eisenberg</i> Demand for Broadband - <i>Douglas C. Sicker</i> The Prospects for Broadband Deployment in Rural America - <i>Sharon Stover</i>	Regulation and Code Modeling Regulatory Distortions with Real Options: An Empirical Analysis - <i>James Alleman and Paul Rappoport</i> A Question of Timing: A British Perspective on the Regulation of Charges and Cost Recovery - <i>Geoffrey Myers</i> Governance Characteristics of “Code”: The Role of Transparency, Defaults, and Standards - <i>Rajiv C. Shah and Jay P. Kesan</i> Cyberspace Technological Standardization: An Institutional Theory Retrospective on the Generational Edge - <i>Daniel Benoliel, Student Paper Competition</i>	New New Economy Caught in the World Wide Web: Patterns of Control over Personal Information Flow in the E-Commerce Environment - <i>Jenifer Neidhart de Ortiz</i> Search and Destroy: What Do Shopbots Do? - <i>Pedro Pereira</i> B2B Exchanges and Possible Antitrust Issues - <i>Tair-Rong Sheu</i> Inferring Competition from Prices: Evidence from Online Grocery Markets - <i>Michael R. Ward</i>	Privacy Can User Agents Accurately Represent Privacy Notices? - <i>Joel R. Reidenberg and Lorrie Faith Cranor</i> The Uneasy Case for National ID Cards as a Means to Enhance Privacy - <i>A. Michael Froomkin</i> Principles, Regulations, and Self-Regulation about Internet Policy in the European Union - <i>Nicola Lugaresi</i> Technology, Geography, Economics, and Regulation: Factors Affecting Surveillance and Privacy in the Implementation of Wireless 911- <i>David Phillips</i>
10:40 am – 12:20 pm	Broadband Policy, Deployment, and Uptake in International Markets Telecommunications Liberalization and Universal Service: An Empirical Analysis - <i>Sam Chandan</i> International Broadband Telecommunications Industry Transformation and the Road Ahead - <i>Jean Jones</i> Universal Global Interconnection After INTELSAT - <i>Kenneth Katkin</i> Deployment of Broadband Infrastructure in the European Union: Is State Intervention Necessary? - <i>Michelle Kosmidis</i>	Concepts of Cyberspace Will the Real “Internet” Please Stand up? - <i>Robert Cannon</i> Seizing Power in the Information Environment: The Comeback of the State - <i>Niva Elkin-Koren</i> Cyberspace as Place - <i>Dan Hunter</i> Place and Cyberspace - <i>Mark Lemley</i>	Standards Strangers in a Strange Land: Public Interest Advocacy and Internet Standards - <i>Alan Davidson</i> Standards Coalitions Formation and Market Structure in Network Industries - <i>Nicholas Economides</i> Entry, Standards, and Competition: Firm Strategies and the Diffusion of Mobile Telephony - <i>Heli Koski</i> One-Way Standards as an Anticompetitive Strategy - <i>Jeffrey K. MacKiie-Mason and Janet S. Netz</i>	Economic Growth ICTs and Rural Development: Examples from Lao P.D.R. - <i>Romeo Bertolini</i> Trading in Development and Services: Telecommunications and Economic Development in South Africa - <i>Tracy Cohen</i> Transitioning to the Knowledge Economy: The LaGrange Internet Television Initiative - <i>Jan Youtie, Philip Shapira, and Greg Laudeman</i> The Role of Media Policy in the Korean Film Industry - <i>Sang-Woo Lee, Student Paper Competition</i>
2:00 pm – 3:40 pm	Interconnection Connection and Disconnection of Networks - <i>Sean F. Ennis</i> Policy-Induced Competition: The Telecommunications Experiments - <i>Gerald Faulhaber</i> Causes of the Uneven Progress in Mexican Telecommunications Interconnection - <i>Martha Garcia-Murillo</i> From “Universal Service” to “Universal Choice”: Local Fixed Network Competition in Hong Kong - <i>Xu Yan and Patrick Xavier</i>	ISPs and Internet Backbones Unequal Investment in Commercial Internet Infrastructure - <i>Chris Forman, Avi Goldfarb, and Shane Greenstein</i> An Economic Map of the Internet - <i>Shawn O’Donnell</i> A Simulation Approach for Internet QoS Market Analysis - <i>Seung-Jae Shin and Martin Weiss</i> Authentication Monopoly in the Making? The Question of Privacy - <i>Brent Zionis, Student Paper Competition</i>	SPECIAL PANEL Entering the Debate, Influencing the Agenda, Continued A Report Card for the Policy Analysis Community After the Dotcom Bust - <i>Eli Noam, Michael Riordan, Columbia University, Howard Shehnski, Berkeley Law School, and Donald Stockdale, FCC</i>	Intellectual Property From Broadcast to Webcast: Copyright Law and Streaming Media - <i>Matt Jackson</i> “Functionality” as the Distinction Patent and Copyright Subject Matter - <i>Dennis S. Karjala</i> Questioning the Economic Justification for and Thus Constitutionality of the Copyright Law sec. 106 Prohibition Against Unauthorized Copying - <i>Mark S. Nadel</i> The Economics of Internet Radio - <i>Carol Ting and Steven S. Wildman</i>
4:10 pm – 5:50 pm	Merger Policy Merger Policy in Electronic Communications Markets: A Comparative Perspective - <i>Alexandre de Streel</i> The Deregulation Paradox - <i>Richard A. Gershon</i> Remedies Policy in Telecom Mergers in the E.U. and U.S. - <i>Gilles Le Blanc and Howard Shelanski</i> Value Creation of International Telecommunications Mergers and Acquisitions - <i>Olaf Rieck</i>	Convergence Utilizing “Essentiality of Access” Analyses to Mitigate Risky, Costly, and Untimely Government Interventions in Converging Communications Technologies and Markets - <i>Barbara Cherry</i> Adjusting the Horizontal and Vertical in Telecommunications Regulation: A Comparison of Traditional Top-Down and Horizontal Approaches - <i>Rob Frieden</i> Thinking About Openness in the Telecommunications Policy Context - <i>Dale Hatfield</i> Further Defining a Layered Model for Telecommunications Policy - <i>Douglas C. Sicker</i>	P2P Anticircumvention Misuse - <i>Dan L. Burk</i> Virtual Markets in Wireless Grids: Peering Policy Obstacles - <i>Lee McKnight</i> Impose ISP Levies to Allow Unlimited P2P - <i>Neil Netanel</i> Information Wants to Be Free: Intellectual Property and the Mythologies of Control - <i>R. Polk Wagner</i>	Mass Media Communications Policy, Media Development, and Convergence - <i>Douglas A. Galbi</i> Retransmission Consent and Local Broadcasters: Part of the Problem or Part of the Solution? - <i>Glynn S. Lunney, Jr.</i> Entry and Potential Competition in United States Cable TV Markets - <i>Scott Savage and Michael Wirth</i> Time Consistency and the Intertemporal Distribution of Media Products: An Empirical Study of the “VideoWindow” - <i>David Waterman and Sung-Choon Lee</i>
Monday 8:30 am – 10:10 am	Spectrum 1 Competition, Standardization, and Diffusion in the 2G Mobile Telephony Market - <i>Heli Koski and Tobias Kretschmer</i> Software Radio: Implications for Wireless Services, Industry Structure, and Public Policy - <i>William Lehr, Sharon Gillett, and Fuencisla Merino</i> Interruptible Spectrum Use: A New Sharing Concept - <i>Michael Marcus</i> Scaling Laws for Radio Networks: The Absurdity of Treating Spectrum as Property - <i>David P. Reed</i>	Innovation Aligning Ex-Ante Regulation with Anti-Trust Law: Some Issues and Problems - <i>Richard Cawley</i> Why Is There So Little Competition in the Provision of Local Telecommunications Services? - <i>David Gabel</i> Innovation and Creative Destruction in Emerging Markets - <i>Lee McKnight</i> Telecommunication Basic Research: An Uncertain Future for the Bell Legacy - <i>A. Michael Noll</i>	User Studies Online Gatekeepers: Myth or Reality? - <i>Eszter Hargittai</i> Barriers to Internet Access: Perspectives from the Non-User - <i>Amanda Lenhart</i> Consuming Information More or Less: An Examination of Information Consumption Behavior as a Strategy for Replacing, Displacing, or Augmenting the Consumption of Other Information Goods - <i>John B. Horrigan and Jorge Reina Schement</i> Understanding Gender, Racial, Social Class, and Geographic Disparities in Internet Use Among School-Age Children in the United States - <i>Paul Cleary, Eileen M. Trauth, and Glenn Pierce</i>	Technology and Education Policy So What About the “Digital Divide” in K-12 Schools? - <i>Tracey Dove</i> Virtual Teamwork in Education: Implications for Technology Adoption - <i>Krishna P. Jayakar and Anne M. Hoag</i> Universal Access: What Have We Learned from the E-Rate? - <i>Heather Hudson</i> AP Online: Analysis of a Policy Prescription for Increasing Postsecondary Access and Achievement Opportunities for Low-Income and Minority Students - <i>Deborah Schwartz</i>
10:40 am – 12:20 pm	Spectrum 2 A Comparative Analysis of Spectrum Management Regimes - <i>Johannes M. Bauer</i> Reforming UK Spectrum Policy - <i>Martin Cave</i> Spectrum Management: Property Rights, Markets, and the Commons - <i>Gerald Faulhaber and David Farber</i> The Rise of Regional Standards Setting Bodies in Digital Radio Technology - <i>Titus Levi</i>	Security Improving Network Reliability: Liability Rules Must Recognize Risk/Reward Strategies - <i>Barbara Cherry</i> Liability for DDoS Attacks: Blaming the Victim? - <i>Margaret Jane Radin</i> Disruptions and Emergencies on the Internet - <i>Peter H. Salus and John S. Quarterman</i> Why Security-by-Obscurity Is Dangerous - <i>William Yurcik</i>	Private Governance Governance in Namespaces - <i>Dr. Stefan Bechtold</i> Governance via ISPs: A Comparative Study of Terms of Service - <i>Sanda Braman and Stephanie Lynch</i> Neither Bottom-up Nor Top-Down: A Tacit Public-Private Cooperative Solution for Internet Regulation - <i>Jay P. Kesan and Andres A. Gallo</i> Interest Groups and the Public Interest: Civil Society Action and the Globalization of Communications Policy Private Governance - <i>Milton Mueller</i>	Community Networks Perceptions of Risks, Benefits, and Costs in Community Technology Center Participants’ Constructions of Information and Communication Technologies - <i>Lynette Kvasny</i> Community Networks and Social Services: A Survey and Assessment - <i>Anand Natarajan, Sangeeta Baruah, and Dr. Murali Venkatesh</i> Community Network and Social Embeddedness: Survey and Results - <i>Dong Hee Shin</i> The Role of Fixed Wireless Access Networks in the Deployment of Broadband Services and Competition in Local Telecommunication Markets - <i>Kanchana Wanichkorn and Marvin Sirbu</i>