

TPRC 2004 Schedule		
Friday, October 1	Saturday, October 2	Sunday, October 3
1:00 p.m. Registration	8:00 a.m. Continental Breakfast	8:00 a.m. Continental Breakfast
2:00 p.m. Panels	8:30 a.m. Paper Sessions	8:30 a.m. Paper Sessions
4:00 p.m. Panels	12:20 p.m. Lunch and Speaker	11:45 a.m. Conference Adjourned
5:00 p.m. Reception	2:00 p.m. Paper Sessions	
6:30 p.m. Dinner and Speaker	5:30 p.m. Reception	
	6:30 p.m. Dinner and Speaker	
<b>Registration deadline September 1, 2004</b>		

### Program Highlights

### Sponsors

### Special Speakers

<p style="text-align: center;"><b>Friday Panels:</b></p> <p>A series of four panels will be offered beginning at 2 p.m. on Friday afternoon. Panel topics will include:</p> <ul style="list-style-type: none"> <li>• Chinese Telecom Experts</li> <li>• Information as an Asset: Rethinking Policy Models to Address the Digital Divide</li> <li>• Regulation of Legacy Networks</li> <li>• The Role of Research in U.S. Communications Policy-Making</li> </ul> <p>Panel discussions embedded in the daily program include:</p> <ul style="list-style-type: none"> <li>• The New Global Battle on Internet Governance.</li> <li>• If Not the Interference Temperature, Then What</li> </ul>	<p style="text-align: center;">Hosted by</p> <p style="text-align: center;"><b>The Tech Center at the GMU School of Law</b></p> <p style="text-align: center;"><b>IBM Corporation</b></p> <p style="text-align: center;"><b>LECG Corporation</b></p> <p style="text-align: center;"><b>Quello Center</b></p> <p style="text-align: center;"><b>Verizon</b></p> <p style="text-align: center;">Contact <a href="mailto:info@tprc.org">info@tprc.org</a> for additional information concerning sponsorship opportunities.</p>	<p style="text-align: center;"><b>Friday Dinner</b></p> <p style="text-align: center;"><b>Shaygan Kheradpir</b> Chief Information Officer, Verizon</p> <p style="text-align: center;"><b>Saturday Lunch</b></p> <p style="text-align: center;"><b>Nancy Kranich</b> Past President, American Library Association and author of Information Commons</p> <p style="text-align: center;"><b>Saturday Dinner</b></p> <p style="text-align: center;"><b>David Colville</b> Vice Chair, Canadian Radio-television and Telecommunications Commission (invited)</p>
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### Meeting Venue

### Hotel Information

<p>The 32<sup>nd</sup> Annual Telecommunications Policy and Research Conference will be held at George Mason University School of Law in Arlington, VA. Situated in the Washington, DC area, the National Center for Technology and the Law (the Tech Center) at the School of Law offers an ideal atmosphere to explore policy issues within the shadow of the Capitol</p> <p>Directions to George Mason University School of Law: <a href="http://www.gmu.edu/departments/law/geninfo/directions.html">http://www.gmu.edu/departments/law/geninfo/directions.html</a></p>	<p>Rooms have been reserved at the L. William Seidman Center Hotel at 3541 N. Fairfax Ave., Arlington, VA adjacent to the GMU School of Law. The Hotel is an FDIC facility operated to house those attending events at the Center. Luxury accommodations including spacious rooms with kitchen facilities are available for conference registrants for \$109.75 including tax per night. Please call the hotel directly to reserve a room, (703) 516-4630.</p> <p>Alternate hotels are available in the Ballston area. The GMU School of Law and the Seidman Center Hotel are located near the Virginia Center station of the Orange line of the Metro. For detailed directions, visit <a href="http://www.law.gmu.edu/geninfo/directions.html">www.law.gmu.edu/geninfo/directions.html</a>.</p>
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Periodically, TPRC is asked by universities and other non-profit institutions to send e-mail messages to TPRC participants regarding new telecom and IT policy programs, job listings, and conferences. To indicate whether you would like to receive such information, please indicate your interest on your registration form. We do not anticipate sending more than 25 messages to this list each year. If you have any questions regarding the new TPRC mailing list or if you add you name and later decide you want to be removed from the list, please contact Laura Verinder at [info@tprc.org](mailto:info@tprc.org).

**TPRC Paper Sessions – Saturday, October 2, 2004**

Saturday				
8:30 – 10:10	<p><b>Evolution of Policy</b></p> <ul style="list-style-type: none"> <li>Voices of the Public in Communication and Information Policy: Four Decades of Advocacy and Congressional Hearings - <i>Milton Mueller</i></li> <li>Telecommunications Economy and Regulation as Coevolving Complex Adaptive Systems: Implications for Federalism - <i>Barbara Cherry</i></li> <li>Telecommunications Trade Liberalization and the WTO - <i>Michael Kende</i></li> <li>Product Placement as an International Practice: Moral, Legal, Regulatory and Trade Implications - <i>Amit Schejter</i></li> </ul>	<p><b>Intellectual Property at a Crossroads</b></p> <ul style="list-style-type: none"> <li>A Better Copyright System? Comparing Indefinitely Renewable Copyright with the Current Copyright System - <i>Michael Yuan</i></li> <li>The Political Economy of Audio-visual Copyright Enforcement - <i>David Waterman</i></li> <li>DRM, Darknets, and Economic Incentives for Platform Providers - <i>Alessandro Acquisti</i></li> <li>Congestion Externalities as a Basis for Extended Intellectual Property Protection - <i>Dennis Karjala</i></li> </ul>	<p><b>Internet Governance</b></p> <ul style="list-style-type: none"> <li>Trademarks and Consumer Search Costs on the Internet - <i>Mark Lemley</i></li> <li>Turmoil in DNS Governance and its Merger into Trademark Law - <i>John Bagby</i></li> <li>Multilateral Control of Internet Infrastructure and its Impact on U.S. Sovereignty - <i>Kenneth Cukier</i></li> <li>The Internet Domain Name System: Private Property or Public Resource? - <i>Krishna Jayakar</i></li> </ul>	<p><b>Spectrum Pricing</b></p> <ul style="list-style-type: none"> <li>Reallocation of Radiowave Spectrum with a Price Mechanism: Proposal of a System of Insurance and Compensation - <i>Hajime ONIKI</i></li> <li>The Economics of Pricing Radio Spectrum - <i>Chris Doyle</i></li> <li>Secondary Markets in Non-Federal Public Safety Spectrum - <i>Joshua Marsh</i></li> <li>Spectrum Auctions: Distortionary Input Tax or Efficient Revenue Instrument? - <i>Adele Morris</i></li> </ul>
10:40 – 12:20	<p><b>The Unsettling Issues of Spectrum</b></p> <ul style="list-style-type: none"> <li>Policing The Spectrum Commons - <i>Phil Weiser</i></li> <li>Welfare Comparison of Spectrum Property and Spectrum Commons Governance Regimes - <i>Carol Ting</i></li> <li>Policy Lessons from Personal Communications Services: A Hohfeldian Analysis of Licensed vs. Unlicensed Spectrum Access - <i>Ken Carter</i></li> <li>Secondary Use of Radio Spectrum: A Feasibility Analysis - <i>Arnon Tonmukayakul</i></li> </ul>	<p><b>Historical Lessons in the ICT Field</b></p> <ul style="list-style-type: none"> <li>Photography and Telephony - <i>Douglas Galbi</i></li> <li>Battle of Systems: Learning from Erstwhile Gas-Electricity and Telegraph-Telephone Battles - <i>Harmeet Sawhney</i></li> <li>Common Carriage at the Crossroads - <i>Adam Candebub</i></li> <li>The Transformation of the Telecommunications Industry - <i>Lori Lent</i></li> </ul>	<p><b>Internet Pricing and Access</b></p> <ul style="list-style-type: none"> <li>An Analysis of the Determinants of Internet Access - <i>Anindya Chaudhuri</i></li> <li>Pricing and Architecture of the Internet: Historical Perspectives from Telecommunications and Transportation - <i>Andrew Odlyzko</i></li> <li>The Wealth of Networks: Inquiry into the Nature and Causes of Global Internet Development - <i>Tom Vest</i></li> </ul>	<p><b>Broadband Economics Policy and Diffusion</b></p> <ul style="list-style-type: none"> <li>An Open Communication Innovation Policy Framework: Towards a Jamaican Model for Broadband Access to Media and Information - <i>Lee McKnight</i></li> <li>Municipal Power goes High-Speed - <i>William Lehr</i></li> <li>Broadband Open Access: Lessons from Municipal Network Case Studies - <i>Marvin Sirbu</i></li> <li>Analysis of the Impact of State Policies, Economics, and Demographics on Broadband Competition - <i>Kenneth Flamm</i></li> </ul>
2:00 – 3:40	<p><b>Next Generation Wireless</b></p> <ul style="list-style-type: none"> <li>Transition Paths to Next-generation Wireless Services - <i>Johannes Bauer</i></li> <li>Usage Substitution between Wireless and Wireline in the U.S. - <i>Glenn Woroch</i></li> <li>Competition and Mobile Communications in Former Socialist Countries - <i>Mircea Marcu</i></li> <li>The Price of Anarchy for Interconnected Communication Networks Provisioned Selfishly - <i>Pedro Ferreira</i></li> </ul>	<p><b>Media Issues</b></p> <ul style="list-style-type: none"> <li>Ownership Affiliation and the Programming Decisions of Cable Operators - <i>Michael Clements</i></li> <li>Implications of DOCSIS-QoS on Cable Broadband Service - <i>Chris Rohrer</i></li> <li>Competition between Cable Television and Direct Broadcast Satellite – It's More Complicated than You Think. - <i>Andrew Wise</i></li> <li>Market-based Alternatives to Digital Must-Carry - <i>Justin Brown</i></li> </ul>	<p><b>Competition in the ICT Markets</b></p> <ul style="list-style-type: none"> <li>Explaining CLEC Survival Through Resource Stocks – the Power of being Nimble and New - <i>Richard Gentry</i></li> <li>Dynamic Oligopoly with Network Effects - <i>Nicholas Economides</i></li> <li>A Coasian Alternative to Pigovian Regulation of Network Interconnection – <i>Christopher Barnekov</i></li> </ul>	<p><b>Economic and Technical Aspects of Networks</b></p> <ul style="list-style-type: none"> <li>An Economic Theory of Infrastructure and Sustainable Infrastructure Commons - <i>Brett Frischmann</i></li> <li>Hidden Interfaces to "Ownerless" Networks - <i>Christain Sandvig</i></li> <li>Peer production of survivable infrastructures - <i>Yochai Benkler</i></li> <li>Changing Nature of Network Resources Due to Network Convergence - <i>Youngsun Kwon</i></li> </ul>
4:10 – 5:50	<p><b>Policy Issues of Electronic Commerce</b></p> <ul style="list-style-type: none"> <li>How Did Location Shape the Adoption of the Commercial Internet? - <i>Shane Greenstein</i></li> <li>Virtual World Governance: Digital Item Trade and its Consequences in Korea - <i>Ian MacInnes</i></li> <li>Emerging Patterns of E-Commerce Governance in Europe: the European Union's Directive on E-Commerce - <i>Seamus Simpson</i></li> <li>Mobile Content Distribution - How Will Change in the Different Regulatory and Legal Regimes of the Two Sectors, Content and Distribution, Affect the Market Players' Strategic Options? - <i>Haakon Flage Bratsberg</i></li> </ul>	<p><b>ICT for Development</b></p> <ul style="list-style-type: none"> <li>Investing in Infrastructure: Increasing Internet Access in the Developing World - <i>Heather Hudson</i></li> <li>The Effect of Institutional Constraints on the Success of Universal Service Policies - <i>Martha Garcia-Murillo</i></li> <li>Leapfrogging through Wireless Technologies – Internet Access for Least Developed Countries - <i>Rahul Tongia</i></li> </ul>	<p><b>Panel: The New Global Battle on Internet Governance</b></p>	

**TPRC Paper Sessions – Sunday, October 3, 2003**

<b>Sunday</b>				
<b>8:30 – 10:10</b>	<p><b>The Effects of VoIP</b></p> <ul style="list-style-type: none"> <li>• A Certification Model for VoIP-based Emergency Services - <i>Doug Sicker</i></li> <li>• Should CALEA Govern VoIP?: Some Clues From CALEA's Legislative History - <i>Ken Katkin</i></li> <li>• The "Unfettered" Internet: A Taxonomy of VoIP and State Regulation - <i>Robert Cannon</i></li> <li>• Strategic Maneuvering and Standardization: Critical Advantage or Critical Mass? - <i>Sangin Park</i></li> </ul>	<p><b>International Experiences of ICT Regulation</b></p> <ul style="list-style-type: none"> <li>• Choices of International Telecommunications Alliances Modes in China, Taiwan and Hong Kong - <i>Dungchun Tsai</i></li> <li>• French or Foe?: A Comparative Study of U.S. and French Telecommunications Regulation - <i>Tracey Weisler</i></li> <li>• Rewriting U.S. Telecommunications Law with an Eye on Europe - <i>James Speta</i></li> <li>• New Trends in Latin American Competition - <i>Judith Mariscal</i></li> </ul>	<p><b>Privacy in a Connected World</b></p> <ul style="list-style-type: none"> <li>• A DMCA for Privacy - <i>Lauren Gelman</i></li> <li>• Will an International Internet Privacy Framework Work? - <i>Jeng Chen</i></li> <li>• Old Wine in a New Bottle: RFIDs and Cookies - <i>Rajiv Shah</i></li> <li>• The Economic Models of On-line Digital Identity, Identity Management Systems and Service Interconnection Policy - <i>Junseok Hwang</i></li> </ul>	<p><b>Media Concentration and Regulation</b></p> <ul style="list-style-type: none"> <li>• Australian and U.S. Approaches to Media Ownership Regulation - <i>Jonathan Levy</i></li> <li>• Local Media Concentration in America - <i>Eli Noam</i></li> <li>• Understanding and Measuring Media Diversity Online and Offline - <i>Matthew Hindman</i></li> <li>• Architectural Censorship and the FCC - <i>Christopher Yoo</i></li> </ul>
<b>10:40 – 12:20</b>	<p><b>Localism and the News</b></p> <ul style="list-style-type: none"> <li>• Usage and Importance of Local and National News Sources: Critical Questions and Answers for Media Market Analysis - <i>Mark Cooper</i></li> <li>• Market Structure, Station Ownership and Local Public Affairs Programming on Local Broadcast Television - <i>Michael Yan</i></li> <li>• Centralcasting as the Small Market TV Response to DTV Demands: Implications for Localism in Local News - <i>George Daniels</i></li> <li>• Modeling Information Equality: Social and Media Latency Effects on Information Diffusion - <i>Arul Chib</i></li> </ul>	<p><b>Infrastructure and e-Societies</b></p> <ul style="list-style-type: none"> <li>• The Role of Telecommunications Infrastructure in Regional Economic Growth of China - <i>Lei Ding</i></li> <li>• Why Do Governments that Privatize Telephone Firms Award Monopoly Rights? - <i>Bruno Viani</i></li> <li>• The Evolution of E-Government in Texas - <i>Lon Berquist</i></li> <li>• Infometrics: A Structural Equation Modeling Approach to Information Indicators and e-Learning Measurement - <i>Dan Grigorovici</i></li> </ul>	<p><b>Calculating Costs for Regulation</b></p> <ul style="list-style-type: none"> <li>• Modelling Regulatory Distortions with Real Options: An Extension - <i>James Alleman</i></li> <li>• Application of Foreign Economic Evaluations in Establishing Cost-based Regulations of Domestic Regulated Services - <i>Francois Menard</i></li> <li>• Use of Capital Forecasts for Estimating Forward-Looking Costs - <i>Richard Clarke</i></li> <li>• The Potential for Network Competition: A Game Theoretic Approach - <i>Carolyn Gideon</i></li> </ul>	<p><b>Panel: If Not the Interference Temperature</b></p>