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Vanderbilt University Law School

TPRC 2006 Program

Friday, September 29, 2006

1:00 pm

Registration

Atrium

2:00 pm –
3:30 pm

The Relationship Between Antitrust and Regulation after *Trinko* and *Brand X*

Room 225

The Supreme Court's opinions in *Verizon v. Trinko* (2004) and *NCTA v. Brand X* (2005) contained sweeping language that, if read broadly, promises to sharply curtail the role antitrust can play in shaping communications policy. These decisions have spawned a vigorous scholarly debate over how expansively subsequent courts will interpret them. They have also highlighted questions about the different institutional capabilities and political accountability of antitrust courts and regulatory agencies and about the optimal allocation of jurisdictional authority between these two modes of governance. More subtly, these decisions raise questions about the proper allocation of power between federal and state regulatory authorities. These debates have taken on an international significance, as commentators attempt to assess the relevance/applicability of the balance struck in the U.S. for other countries. The panel will assess the positive and normative implications of these Supreme Court decisions.

Moderator: Christopher Yoo, *Vanderbilt University Law School*

Panelists: Nicholas Economides, *New York University*
James Speta, *Northwestern University*
Isabel Neto, *World Bank*

2:00 pm –
3:30 pm
Room 120

Municipal and Community Wireless Networks

Wireless internet technologies are increasingly being adopted by community and municipal groups as inexpensive ways to extend broadband internet access to citizens.

While there are numerous potential technical configurations for wireless internet projects, municipal and community projects tend to organize their networks in one of three ways: as a series of independent or linked hotspots, as a hub-and-spoke system, or as a dynamic mesh. The choice to use one type of networking model over another depends upon the technical, social, and economic capacity in any particular local area. Community groups working with wireless internet technologies have sprung up in many North American cities. These groups have developed either independently or out of existing community networks, and have focused on the relatively flexible nature of commercially available Wi-Fi technology. Open-source software enthusiasts are active in the community Wi-Fi movement, attracted by the challenge of developing new functionalities and expanding connectivity. This is therefore an appropriate time to assess the accomplishments of Municipal and Community wireless network initiatives, identify shortcomings and explore their future options. This panel brings together some leading experts in the development and use of wireless networks by and for local communities.

Moderator: Sharon Strover, *University of Texas*

0310010

Panelists: Leslie Shade, *Concordia University, Canada*
Andrew Clement, *University of Toronto*
Tom Hazlett, *George Mason Law School*
Alison Powell, *Concordia University, Canada*
Christian Sandvig, *University of Illinois*
Heather Hudson, *University of San Francisco*

4:00 pm –
5:30 pm

Room 225

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The Promise and Perils of Peer Production: Evaluating Benkler's Wealth of Networks

In *The Wealth of Networks*, Yochai Benkler develops the provocative thesis he has set out in a series of powerful articles—that ordinary users, relying on the open Internet, can produce valuable content and applications that will challenge those of large companies. At present, there is already a user-developed encyclopedia (Wikipedia) that some suggest rivals the Encyclopedia Britannica as well as an increasing array of user-generated content available via YouTube and other outlets. Is this development a threat to traditional media outlets? How will these developments impact our culture and political system?

To analyze the emerging form of peer production (or user-generated content), Phil Weiser (Professor of Law and Telecommunications, University of Colorado) will moderate a panel that will evaluate the future of peer production. This panel will include Julie Cohen (Professor of Law at Georgetown), Gigi Sohn (Founder, Public Knowledge), Gerald Faulhaber (Professor, Business and Public Policy Dept., Wharton School, University of Pennsylvania), and Eli Noam (Professor of Business, Columbia University). In analyzing the current landscape, the panel would evaluate whether these user-generated developments are likely to make a lasting impact and whether they are economically sustainable? Moreover, we would consider how they affect our current model of journalism and how will they influence our political system?

Finally, we will evaluate whether the technology to assess reputation and reliability will develop so that the best of breed will rise to the top or whether consumers will face a cacophony of voices.

After the panel's discussion, Yochai Benkler (Professor of Law, Yale University) will explain the critical arguments he makes in his book and will answer objections and concerns raised by his critics.

4:00 –
5:30 pm
Room 121

43

Foundation Roundtable

The purpose of this panel is to make the academic community aware of the work of policy foundations and research institutions as well as the potential funding possibilities that exist for policy research. There are several policy organizations in the policy field that are active in information and communication technologies. Given their focused objectives they can generate research and reports that influence policy, often much more effectively than scholarly publications.

Some of these foundations also have funding/research opportunities for academics. This is important because it is not common for policy research to receive much attention in government funding agencies.

The purpose of this panel is to determine how academic research can serve these organizations to influence policy and for scholars to learn about the activities of foundations

and research institutions and how they can have an impact on future academic work.

Panelists:

Benton Foundation, Gloria Tristani, *President*

Social Science Research Network, Joe Karaganis, *Program Director*

Annenberg Research Network on International Communication, Jonathan Aronson, *Executive Director*

5:30 pm
-- 6:00 pm
Atrium

Reception

6:00 pm
-- 6:45 pm
Atrium

A Conversation about Net Neutrality with David Clark and David Farber

David Clark is at the MIT Laboratory for Computer Science, where he is currently a senior research scientist in charge of the Advanced Network Architecture group. Dr. Clark's research interests include networks, network protocols, operating systems, distributed systems, and computer and communications security. After receiving his Ph.D., he worked on the early stages of the ARPANET and on the development of token ring local area network technology. Since the mid-1970s, Dr. Clark has been involved in the development of the Internet. His current research area is protocols and architectures for very large and very high-speed networks. Specific activities include extensions to the Internet to support real-time traffic, explicit allocation of service, pricing, and new network technologies.

Prof. Farber is Distinguished Career Professor of Computer Science and Public Policy in the School of Computer Science at Carnegie Mellon University holding secondary appointments in the Heinz School of Public Policy and the Engineering Public Policy Group. He recently (2003) retired as the Alfred Fittler Moore Professor of Telecommunication Systems at the University of Pennsylvania where he held appointments as Professor of Business and Public Policy at the Wharton School of Business and as a Faculty Associate of the Annenberg School of Communications.

His early academic research work was focused at creating the worlds first operational Distributed Computer System -- DCS while at the ICS Department at the University of California at Irvine. After that, while with the Electrical Engineering Department of the University of Delaware, he helped conceive and organize CSNet, NSFNet and the NREN.

6:45 pm
-- 7:15 pm

Drinks and Appetizers

7:15 pm

Dinner

Saturday, September 30, 2006

Continental Breakfast and Registration

Editors Roundtable

8:30 am
-- 10:10 am

Standards and Technological Change

Moderator: Elliot Maxwell

Room
224

Technological Advance and the Changing Structure of Transnational Standards Organizations

- D. Linda Garcia, *Georgetown University*
- Madhura K. Kale,

Standards Development, Disruptive Innovation and the Nature of Participation: Lock-In, Lock-Out, Holdup

- John Bagby, *College of Information Sciences and Technology, Pennsylvania State University,*
- Sandeep Purao, *College of Information Sciences and Technology, Pennsylvania State University,*
- Prasenjit Mitra, *College of Information Sciences and Technology, Pennsylvania State University,*

Standards Competition and the Role of Intermediation in the Supply of Mobile Applications

- Ankur Tarnacha, *College of Information Sciences and Technology, The Pennsylvania State University*
- Carleen Maitland, *College of Information Sciences and Technology, The Pennsylvania State University*

Innovation and the Evolution of Market Structure for Internet Access in the United States

- Shane Greenstein, *Department of Management and Strategy, Kellogg School of Management, Northwestern University*

8:30 am
-- 10:10 am

Panel: European Regulation

Room
120

In 2003, the European Union put in place an ambitious new regulatory framework for the regulation of telecommunications. The enabling legislation envisioned a comprehensive review of the regulatory system in 2006 -- that review is now in full swing, and is expected to complete in the summer of 2006.

This panel will consider the current state of play in Europe, with particular emphasis on the following:

The 2006 review

The tensions between the need for innovation and investment, versus the need for competition.

The migration of European operators to IP-based networks.

Moderator:

- Scott Marcus, *WIK-Consult GmbH*

Panelists:

- Richard Cawley, *European Commission*
- Richard Feasey, *Vodafone*
- Dr. Karl-Heinz Neumann, *WIK*
- Rudolf van der Berg, *Ministerie van Economische Zaken*

8:30 am
– 10:10 am

Spectrum Policy I – New Policy Trends

Moderator: Brian Fontes, *Cingular Wireless*

Room
121

Toward Property Rights in Spectrum: The Difficult Policy Choices Ahead

- Dale Hatfield, *Telecommunications, University of Colorado*
- Phil Weiser, *Law and Telecommunications, University of Colorado*

The Taxation of Spectrum Rights: Tools for Efficiency and Distribution

- Adele C. Morris, *U.S. Department of the Treasury*

A Global Survey of Spectrum License Exemptions

- Michael L. Best, *Sam Nunn School of International Affairs, Georgia Tech*

Cartography of the Electromagnetic Spectrum: A Review of Wireless Visualization and its Consequences

- Christian Sandvig, *University of Illinois at Urbana-Champaign*

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8:30 am
– 10:10 am

Universal Service

Moderator: Prabir Neogi, *Industry Canada*

Room
225

Disconnecting: Universal Service on the Decline

- David Gabel
- Carolyn Gideon, *Fletcher School, Tufts University*

Universal Service Reform & Convergence: USF Policy for the 21st Century

- S. Derek Turner, *Free Press*

Impact of School District Demographics and Financial Status on E-Rate Funding: Analysis of Pennsylvania Data for 1999 and 2004

- Krishna P. Jayakar, *College of Communications, Pennsylvania State University*
- Eun-A Park, *College of Communications, Pennsylvania State University*

The Global Broadband Satellite Infrastructure Initiative

- Ken Katkin, *Salmon P. Chase College of Law, Northern Kentucky University*

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8:30 am
– 10:10 am

Television Broadcasting and Media Content I

Moderator: Greg Klein, *Economic and Policy Analysis, NCTA*

Room
348

Vertical Ownership in Cable Television: A New Study of Program Network Carriage and Positioning

23

- Dong Chen, *School of Economics, Peking University*
- David Waterman, *Department of Telecommunications, Indiana University*

Size Effects in Bargaining Between a Program Provider and System Operators in the Cable Television Industry

- Seonghoon Jeon, *Department of Economics, Sogang University*
- Steve Wildman, *Department of Telecommunication, Information Studies, and Media, Michigan State University*

Market Competition and Program Diversity: A Cross-sectional Study of U.S. Television Markets

- Michael Yan
- Yong Jin Park

10:10 am
-10:40 am
Atrium

Coffee Break

10:40 am
-- 12:20 pm

New Theories of Network Pricing

Moderator: Andrew Odlyzko, *University of Minneapolis*

Room
224

Congestion Pricing in an Internet Market

- Jose Canals-Cerda, *Federal Reserve Bank of Philadelphia*

Pricing of Complements and Network Effects

- Nicholas Economides, *Stern School of Business, New York University*
- V. Brian Viard, *Graduate School of Business, Stanford University*

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Dynamic Pricing with Uncertainty

- James Alleman, *University of Colorado-Boulder, and Columbia University*
- Paul Rappoport, *Temple University, and Columbia University*

Efficient Interconnection Charges and Capacity-Based Prices

- D. Mark Kennet, *Telecommunications Management Group, Inc.*
- Eric K. Ralph, *Economics LLC*

10:40 am
-- 12:20 pm

Net Neutrality and Open Access I

Moderator: Eli Noam, *Columbia University*

Room
120

The Benefits and Risks of Mandating Network Neutrality, and the Quest for a Balanced Policy

- Jon M. Peha, *Carnegie Mellon University*

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Dynamic Effects of Network Neutrality

- Johannes M. Bauer, *Department of Telecommunication, Information Studies, and Media, Quello Center for Telecommunication Management and Law, Michigan State University*

Scenarios for the Network Neutrality Arms Race

- William Lehr, *Massachusetts Institute of Technology*

- Martin Sirbu, *Carnegie Mellon University*
- Jon Peha, *Carnegie Mellon University*
- Sharon Gillett, *Massachusetts Institute of Technology*

Open Access

- Thomas Nachbar, *University of Virginia*

10:40 am
-- 12:20 pm

Spectrum Policy II – Spectrum Allocation Models and Tools

Moderator: Peter Tenhula, *FCC*

Room
121

Licensed vs Unlicensed Spectrum: A New Economic Model for Determining the Trade-offs

- Coleman Bazelon, *Analysis Group*

A Transaction Cost Analysis of Secondary vs. Unlicensed Spectrum Use

- Arnon Tonmukayakul, *Department of Information Science and Telecommunications, School of Information Sciences, University of Pittsburgh*
- Martin B. H. Weiss, *Department of Information Science and Telecommunications, School of Information Sciences, University of Pittsburgh*

Property Rights to Radio Spectrum in Guatemala and El Salvador: An Experiment in Liberalization

- Tom Hazlett, *Law and Economics, George Mason University*
- Giancarlo Tharguen, *Francisco Marroquín University*
- Wayne Leighton, *Federal Communications Commission*

10:40 am
-- 12:20 pm

Digital Divide, Affordable Access and Sustainable Development I

Moderator: Mavis Ampah, *The World Bank*

Room
225

Connectivity and the Digital Divide – Technology, Policy and Design Tradeoffs for Developing Regions

- Rahul Tongia, *School of Computer Science, Carnegie Mellon University*

Jumpstarting Growth with ICTs in the Developing World: Is Corporate Involvement the Panacea?

- Elizabeth Fife, *The Center for Telecom Management, Marshall School of Business, University of Southern California*
- Francis Pereira, *The Center for Telecom Management, Marshall School of Business, University of Southern California*

Roaming in Africa

- Ewan Sutherland

10:40 am
-- 12:20 pm

Television Broadcasting and Media Content II

Moderator: Peter Alexander, *FCC*

Room

Public Access Television : A Radical Critique

348

- Hans Klein, *Georgia Institute of Technology*

A Critical Analysis of Public Service Broadcasting in a Digital Environment: Comparing its Role in Japan, Europe and North America

- Kiyoshi Nakamura, *Waseda University, and CITI, Columbia Business School, Columbia University*
- Alain Bourdeau de Fontenay,, *CITI, Columbia Business School, Columbia University*

Economic Benefits of State-Level Franchising Mechanisms for Multi-channel Video Programming Distributors (MVPD's)

- Jin Ki Kim, *School of Management, University at Buffalo, The State University of New York*
- Heasun Chun, *School of Informatics, University at Buffalo, The State University of New York*

What the [Expletive Deleted] is a Broadcaster to Do? The Conflict Between Political Access Rules and the Broadcast Indecency Prohibition

- Samantha Mortlock, *George Mason University School of Law*
- Lisa Sockett, *George Mason University School of Law,*

12:20 pm
2:00 pm
Atrium

Lunch
Student Paper Awards

2:00 pm
-- 3:40 pm

Externalities and Effective Regulation

Moderator: Scott Marcus, *WIK-Consult GmbH,*

Network Externalities and Interconnection Incentives

- Margit Vanberg, *Centre for Economic Research (ZEW), Mannheim*

Quantifying the Benefits of Entry into Local Phone Service

- Nicholas Economides, *Stern School of Business, New York University*
- Katja Seim, *The Wharton School, University of Pennsylvania*
- V. Brian Viard, *Stanford Graduate School of Business*

Using Uncensored Communication Channels to Divert Spam Traffic

- Benjamin Chiao, *School of Information, University of Michigan*
- Jeffrey MacKie-Mason, *Department of Economics, and School of Information, University of Michigan*

Room
224

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2:00 pm
-- 3:40 pm

Net Neutrality and Open Access II

Moderator: Bob Pepper, Cisco

Room
120

Was the Internet Ever Neutral?

- Craig McTaggart, *TELUS Communications Company*

The New Network Neutrality: Criteria for Internet Freedom

- Sascha D. Meinrath, *Institute for Communications Research, University of Illinois, Urbana-Champaign*
- Victor W. Pickard, *University of Illinois, Urbana-Champaign*

Towards Neutral Ground on Net Neutrality

- Simon Wilkie, *USC Annenberg Center for Communications*
- Jonathan Aronson, *USC Annenberg Center for Communications*
- Francois Bar, *USC Annenberg Center for Communications*

Network Neutrality or Bias?--Handicapping the Odds for a Tiered and Branded Internet

- Rob Frieden, *Penn State University*

2:00 pm
-- 3:40 pm

Spectrum Policy III – Shared Use of Bandwidth

Moderator: Paul Kolodzy, *former FCC*

Room
121

Examining The Wireless Commons

- Douglas C. Sicker, *University of Colorado-Boulder*
- Dirk Grunwald, *University of Colorado-Boulder*
- Eric Anderson, *University of Colorado-Boulder*
- Christian Doerr, *University of Colorado-Boulder*
- Brita Munsinger, *University of Colorado-Boulder*
- Anmol Sheth, *University of Colorado-Boulder*

Spectrum Policy Wonderland: A Critique of Conventional Property Rights and Commons Theory in a World of Low Power Wireless Devices

- J. H. Snider

Achieving Dynamic Spectrum Allocation: Governance Rules for a Mixed Private-Commons Regime

- Mark Cooper, *Center for Internet and Society, Stanford University Law School*

2:00 pm
-- 3:40 pm

Digital Divide, Affordable Access and Sustainable Development II

Moderator: J.P. Singh, *Georgetown University*

Room
225

Telecentres and Sustainable Community Development in South Africa

- Zandi Lesame, *Department of Communication Science, University of South Africa*

Re-evaluating FCC Policies Concerning the Lifeline and Link-Up Programs

- Lynne Holt, *Public Utility Research Center, University of Florida*
- Mark Jamison, *Public Utility Research Center, University of Florida*

Improving the Affordability of Telecommunications: Cross-Fertilisation between the Developed and Developing World

- Claire Milne, *Department of Media and Communications, London School of Economics*

2:00 pm
-- 3:40 pm

Room
348

33

Media Concentration and Content Issues

Moderator: Mark Lloyd, *Center for American Progress*

The Concentration Of American Media Industries

- Eli Noam, *Columbia University*

The Economics of Foreign Language Media in the U.S: An Empirical Study of Radio Markets

- Xiaofei Wang, *Department of Telecommunications, Indiana University*
- David Waterman, *Department of Telecommunications, Indiana University*

Broadband Access and Content Consumption

- Loren Hitt, *Wharton School, University of Pennsylvania*
- Sonny Tambe, *Wharton School, University of Pennsylvania*

3:40 pm
4:10 pm
Atrium

Coffee Break

4:10 pm
-- 5:50 pm

Room
224

17

Regulation and Firm Structure

Moderator: Don Stockdale, FCC

Regulating for Non-price Discrimination: The Case of UK Telecoms

- Martin Cave, *Warwick Business School*
- Lisa Correa, *Ofcom*
- Pietro Crocioni, *Ofcom*

Influences on the Partial Liberalization of Internet Service Provision in Ethiopia

- Lynn Hartley
- Michael Murphree, *Georgia Institute of Technology*

Regulatory Reforms in China's Telecommunication Sector: A Case of Policy Transfer Failure or of Policy Divergence?

- Marc Laperrouza, *Department of Information Systems, London School of Economics*

4:10 pm
– 5:50 pm

Room
120

43

Understanding Broadband Diffusion

Moderator: Johannes Bauer, *Michigan State University*

Barriers to Entry Analysis of Broadband Multiple Platforms: Comparing the U.S. and South Korea

Eun-A Park, *College of Communications, The Pennsylvania State University*
Richard Taylor, *College of Communications, The Pennsylvania State University*

Diagnosing the Disconnected: Where and Why is Broadband Access Unavailable in the U.S.?

- Kenneth Flamm, *Lyndon B. Johnson School of Public Affairs, The University of Texas at Austin*

Efficiency of Public Promotions Policies in the Diffusion of Broadband Networks. An Exploratory Analysis

- Francesco Miralles, *Universitat Pompeu Fabra*

The Deployment and Adoption of Broadband Service: A Household-Level Analysis

- Michael Clements, *U.S. Government Accountability Office*
- Amy Abramowitz, *U.S. Government Accountability Office*

4:10 pm
– 5:50 pm

Room
121

38

Municipal Wireless Initiatives

Moderator: Andrew Clement, *University of Toronto*

Why Should Cities Provide Wireless Broadband Access?

- Jed Kolko, *Public Policy Institute of California*

Lessons from the Left Coast: San Francisco's Community Wireless Broadband Initiative

- Heather Hudson, *Telecommunications Management and Policy Program, University of San Francisco*

"Last Mile" or Local Innovation? Canadian Perspectives on Community Wireless Networking as Civic Participation

- Alison Powell, *Department of Communication Studies, Concordia University*

ICT Infrastructure as Public Infrastructure: Connecting Communities to the Knowledge-based Economy & Society

- Catherine Middleton
- Andrew Clement
- Barbara Crow
- Graham Lonford

4:10 pm
-- 5:50 pm

Room
225

18

Service Deployment and Use in Rural & Remote Areas

Moderator: Orren E. Cameron, *Advanced Network Services, USDA/RUS*

Determinants of Internet Use for Rural and Farm Economic Sectors

- Peter Stenberg, *Economic Research Service, U.S. Department of Agriculture*
- Mitchell Morehart, *Economic Research Service, U.S. Department of Agriculture*

Accelerating Indian Rural Telecom Services: Policy and Regulatory Approaches

- Rekha S. Jain, *Indian Institute of Management*

Comparing Government and NGO Digital Inclusion Initiatives in the U.S. and Brazil

- Joseph Straubhaar, *University of Texas*
- Fabio Ferreira
- Jeremiah Spence

4:10 pm
-- 5:50 pm

Room
348

16

Intellectual Property and Digital Rights I

Moderator: Susan Crawford, *Cardozo Law*

Small Bidders in License Auctions for Wireless Personal Communications Services

- Nathan Musick, *Congressional Budget Office*

Famous Trademarks and the Rational Basis for Protecting "Irrational Beliefs"

- Shahar Dilbar, *University of Chicago, School of Law*

IP, Pooling Arrangements and Constructed Environments

- Brett Frischmann, *Loyola University Chicago*
- Michael Madison, *University of Pittsburgh School of Law*
- Joseph Miller, *Lewis & Clark Law School*

The Effect of File-sharing on Consumer's Purchase Pattern: A Survey Approach

- Seonmi Lee, *College of Journalism and Communications, University of Florida*

5:50 pm
-- 6:30 pm
Atrium

Reception

Dinner

Speaker: Deborah Taylor Tate, Commissioner, FCC

Sunday, October 1, 2006

8:00 am
 -- 8:30 am
 Atrium

Continental Breakfast and Registration
 Editor's Roundtable

8:30 am
 -- 10:10 am

Industry Structure

Moderator: Bill Sharkey, *FCC*

Room
 224

Metaphors, Myths, and Manipulation: How Telecommunications Consolidation is Rationalized

- Harold Feld, *Media Access Project*
- Dr. Gregory Rose,

Head-to-Head or Hand-in-Hand: Does Structural Reform Have Led to Meaningful Competition in China?

- Jun Xia, *School of Economics and Management, Beijing University of Posts & Telecommunications*

The Impact of Mergers on Performance in the US Telecommunications Industry, 1988 to 2001

- Sumit K. Majumdar, *University of Texas at Dallas*
- Rabih Moussawi, *Wharton Research Data Services*
- Ulku Yaylacicegi, *University of North Carolina at Wilmington*

Changes in Industry Structure and Technological Convergence: Implications for Competition Policy and Regulation in Telecommunications

- Timothy Tardiff, *National Economic Research Associates*

8:30 am
 -- 10:10 am

Internet, Telephony and the Law

Moderator: Chris Fedeli, *Cole, Raywid & Braverman*

Room
 120

A Dynamic Assessment of VoIP Adoption, Innovation and their Interaction with CALEA Regulation

- Chintan H. Vaishnav, *Engineering Systems Division, Massachusetts Institute of Technology*
- Charles Fine, *Engineering Systems Division and Sloan School of Management, Massachusetts Institute of Technology*

Access Regulation and the Adoption of VoIP

- Paul de Bijl
- Martin Peitz

Impact of the Telecommunications Act 1996 on Local Telephone Service

- Kenneth H. Tiedemann, *BC Hydro*
-

8:30 am
-- 10:10 am

Room
121

MVNO: Regulation and Economics

Moderator: Bruce Gottlieb

MVNOs in the West and the East: Will MVNO be a Western Thing?

- Dong-Hee Shin, *Pennsylvania State University, Berks Campus*

Incentives to License Mobile Virtual Network Operators (MVNOs)

- Ralf Dewenter, *Helmut-Schmidt University, Hamburg*
- Justus Haucap, *Ruhr-University, Bochum*

Mobile Virtual Network Operators: A Virtual Prisoners' Dilemma?

- Duarte Brito, *Ciências e Tecnologia da Universidade Nova de Lisboa,*
- Pedro Pereira, *Autoridade da Concorrência*

8:30 am
-- 10:10 am

Room
225

Municipal and Community Broadband

Moderator: Dale Hatfield, *FCC*

Bureaucrats as Entrepreneurs: Do Municipal Telecommunications Providers Hinder Private Entry?

- Janice A. Hauge, *University of North Texas*
- Mark A. Jamison, *University of Florida*
- R. Todd Jewell, *University of North Texas*

The Economic Effect of Municipal Broadband: Evidence from Municipal Electric Utilities in the United States

- Carlos Osorio, *Massachusetts Institute of Technology, and Universidad Adolfo Ibanez*

Municipal Responses to State-Level Broadband Internet Policy

- Andrea H. Tapia, *College of Information Sciences & Technology, The Pennsylvania State University*
- Julio Angel Ortiz, *College of Information Sciences & Technology, The Pennsylvania State University*

Community Organizations and ICT Service/Information Delivery

- Vanda Rideout, *University of New Brunswick*
- Andrew Reddick
- Susan O'Donnell
- William McIver Jr.

8:30 am
-- 10:10 am

Room
348

Privacy, Security and e-Business

Moderator: Julie Cohen, *Georgetown Law Center*

Beyond Consent: Implications of Ubicomp for Privacy

- L. Jean Camp, *Indiana University*
- Kay Connelly, *Indiana University*
- Lesa Lorenzen-Huber, *Indiana University*

Understanding the Impact of Privacy Breaches

- Allan Friedman
- Alessandro Acquisti

The Myth of the Superuser

- Paul Ohm, *University of Colorado School of Law*.

Public Goods and Externalities Aspects of Internet Security: Modeling the Spill-over Effects of Interrelated Risks and Solutions

- Ruperto Maja, *Department of Economics, Weber State University*

10:10 am

- 10:40 am

Coffee Break

Atrium

10:40 am

- 12:20 pm

The State and its Citizens**Moderator:** Kathleen Wallman, *Georgetown University*

Room

224

Ideology versus Partisanship: Regulatory Behavior and Cyclical Political Influence at the FCC

- Keith S. Brown, *CNA Corporation*
- Adam Candeub, *Michigan State University College of Law*,

A New Policy-making Paradigm for the Information Society

- Jean-Jacques Sahel, *Department of Trade and Industry, UK*

Varieties of Capitalism within Telecommunications Policy: The Case of Broadband Diffusion in Denmark, Austria, Canada and Ireland

- Josep Maria Castellano, *Universitat Pompeu Fabra*
- Francesco Miralles, *Universitat Pompeu Fabra*

10:40 am

- 12:20 pm

Internet Governance**Moderator:** David Satola, *The World Bank*

Room

120

DNSSEC and Government Interests in Internet Architecture

- Brenden Kuerbis

A Funny Thing Happened on the Way to the Forum: Multistakeholderism, International Institutions and Global Governance of the Internet

- Milton Mueller, *Syracuse University*

Access to Global Telecommunications: A Comparative Discussion of the International Legal Issues Confronting the Telecommunications Relay Service

- Joshua Pila, *Georgetown University Law Center*

The Ambiguities of Participation in the Global Governance of Electronic

Networks: Implications for South Africa and Lessons for Developing Countries

- Tracy Cohen, *Council of the SA communications regulator, and LINK Centre, Graduate School of Public & Development Management, University of the Witwatersrand.*
- Alison Gillwald, *LINK Centre, Graduate School of Public & Development Management, University of the Witwatersrand*

10:40 am
- 12:20 pm

Room
121

Panel: An Economic Experiment: Congestion in Common Pool Resources

The objective of this panel is to give TPRC attendees the opportunity to become more familiar with the field of experimental economics and, in particular, demonstrate how experimental economics might be used to examine telecommunications policy issues. To that end, TPRC attendees are invited to participate in an economic experiment. We intend to examine whether participants will be able to coordinate their use of a resource – one that shares some characteristics of radio spectrum -- in an attempt to achieve the efficient use level of that resource. This will involve assigning, among other things, demands for the resource to TPRC attendees and a payoff related to the share of the resource they consume or occupy. Given the attendees' likely lack of familiarity with economic experiments and the absence of any prior training for the experiment, we propose a very basic experiment regarding the potential problems with common pool resources (e.g., unlicensed spectrum, atmosphere, water, etc.).

This interactive, pedagogical experience will provide participants sufficient background experience such that they begin to think about employing experimental economics in the examination of important public policy issues. We will analyze the resulting experimental data to test one or more hypotheses, including whether participating attendees were able to coordinate their use so as to achieve the efficient use of the resource. The experiment can serve as a prototype for follow-on experiments at TPRC in the future. We firmly believe that participating attendees will find the experiment enjoyable.

10:40 am
-- 12:20 pm

Room
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Access

Moderator: Bjorn Wellenius, *Consultant*

Leap-frogging the Divide; Next Generation Networks in Developing Countries

- Michael Kende, *Analysys Consulting Limited*
- Onuche Ocholi, *Analysys Consulting Limited*

FTTP Industry Structure: Implications of a Wholesale Retail Split

- Anupam Banerjee, *Department of Engineering & Public Policy Carnegie Mellon University*
- Marvin Sirbu, *Department of Engineering & Public Policy Carnegie Mellon University*

Objectives, Obstacles and Drivers of ICT Adoption. What do IT Managers Perceive?

- Nicoletta Corrocher, *CESPRI, Bocconi University*
- Roberto Fontana, *Department of Economics, University of Pavia*

10:40 am
-- 12:20 pm

Room
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Internet Content Protection and Commerce

Moderator: Christopher Yoo, *Vanderbilt Law School*

The Audio Broadcast Flag System – Can it be a Solution?

- Hyangsun Lee, *Department of Telecommunications, Indiana University*

Competing with Free: The Impact of Movie Broadcasts on DVD Sales and Internet Piracy

- Michael D. Smith, *H. John Heinz III School of Public Policy and Management, Carnegie Mellon University*
- Rahul Telang, *H. John Heinz III School of Public Policy and Management, Carnegie Mellon University*

Linking Network Structure to Ecommerce Demand: Theory and Evidence from Amazon.com's Copurchase Network

- Gal Oestreicher-Singer, *New York University*
- Arun Sundararajan, *New York University*

The Internet and the Market for Daily Newspapers

- Lisa M. George, *Hunter College and The Graduate Center, CUNY*