

TWENTY-THIRD ANNUAL TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE

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1995 GRADUATE STUDENT RESEARCH AWARD

Initiated in 1988, the TPRC Graduate Student Research Awards seek to encourage and acknowledge research excellence at the graduate student level in topics pertinent to TPRC. This year's awards are presented to:

- 1ST PLACE: Anjali Singhal, New York Law School**
Paper Title: The Piracy of Privacy? A Fourth Amendment Analysis of Key Escrow Cryptography and Interception of Digital Communications
- 2ND PLACE: Rachel Michaux, Georgetown University**
Paper Title: The National Flat Panel Display Initiative: A Policy Analysis
- 2ND PLACE: Eric Ralph, Duke University**
Paper Title: Regulating an Input Monopolist: A Low Information Interconnection Mechanism

**TWENTY-THIRD ANNUAL
TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE
September 30-October 2, 1995**

DETAILED PROGRAM

SATURDAY, SEPTEMBER 30, 1995

- 2:00pm-7:00pm** **REGISTRATION**
LOCATION: BACK CREEK
- 3:00pm-6:00pm** **Tutorial on New Networking and Software Technologies**
- PAPERS:** **Emerging Technologies for New Interactive Services Over Cable Networks**
Scott Wattawa, Project Manager
Operations Software Architecture Projects
Cable Television Laboratories, Inc.
- TBA**
Branko Gerovac
Research Program on Communications Policy
Massachusetts Institute of Technology
- LOCATION: MILL CREEK**
- 5:30pm-6:30pm** **RECEPTION/CASH BAR**
LOCATION: CONCOURSE
- 6:30pm-7:30pm** **DINNER**
LOCATION: CHESAPEAKE BALLROOM
- 7:30pm-9:00pm** **OPENING SESSION**
- OPENING REMARKS:**
David Reed, Organizing Committee Chair
- OPENING SESSION:** **Local Dialtone Competition - Nine Months of Reality in Rochester**
- SESSION CHAIR:** Lisa Rosenblum, New York Public Service Commission
- SPEAKERS:** Paul B. Jones, Time Warner Communications
- Michael Morrissey, AT&T Communications of New York, Inc.
- David Turetsky, U.S. Department of Justice
- Richard Stannard, New York Department of Public Service

SUNDAY, OCTOBER 1, 1995

8:00am-5:00pm **REGISTRATION**
LOCATION: BACK CREEK

7:30am-8:30am **BREAKFAST**
LOCATION: CHESAPEAKE BALLROOM

SESSIONS:

8:30am-10:00am

LOCATION: ST. LEONARD CREEK ROOM

SESSION: Pricing and Competition in Local Markets

SESSION CHAIR: Ingo Vogelsang, Boston University

PAPERS: Dynamic Pricing of Integrated Services Networks
Qiong Wang, Marvin Sirbu and Jon Peha,
Carnegie-Mellon University

Competition Among Telecommunications
Carriers That Offer Multiple Services
Saurabh Tewari and Jon Peha, Carnegie-Mellon
University

Air vs. Copper: Prices and Market Shares of
Landline and Wireless Telecommunications
Marc Ivaldi, Helmuth Cremer, Institut
D'Economie Industrielle and Etienne Turpin,
France Telecom

DISCUSSANTS: Bridger Mitchell, Charles River Associates, Inc.
David Salant, Charles River Associates, Inc.

LOCATION: HUNTING CREEK ROOM

SESSION: Reports on Full Service Broadband Trials

SESSION CHAIR: W. Russell Neuman, Tufts University

SPEAKERS: Edmund Andrews, New York Times

Vincent Grosso, AT&T

Branko Gerovac, Massachusetts Institute of
Technology

SUNDAY, OCTOBER 1, 1995

8:30am-10:00am (Continued)

LOCATION: THEATRE

SESSION: Regulation and Pricing of Local Interconnection

SESSION CHAIR: Martin Cave, Brunel University

PAPERS: **Access and Interconnection Pricing: How Efficient is the Efficient Component Pricing Rule?**
Nicholas Economides and Lawrence White, New York University

Regulation and Pricing of Local Interconnection in New Zealand: Lessons for America
Geoff McCormick, Telecom New Zealand Ltd.

DISCUSSANT: Alain de Fontenay, TELA Group
Martin Cave, Brunel University

10:00am-10:30am COFFEE BREAK

SUNDAY, OCTOBER 1, 1995

SESSIONS:

10:30am-12:00pm

LOCATION: ST. LEONARD CREEK ROOM

SESSION: Network Economics and Compatibility Standards

SESSION CHAIR: David Reed, CableLabs

PAPERS: **An Engineering, Economic, and Policy Analysis of Integrated Residential Broadband Architectures**
Nosa Omoigui, Marvin Sirbu, Charles Eldering and Jeffrey Lanctot, Carnegie-Mellon University

The Transition to Digital Television Distribution Systems: Technology and Public Policy
David Reed, CableLabs

Standard Setting from the Sidelines
Michael Katz, Federal Communications Commission

DISCUSSANTS: Dale Hatfield, Hatfield and Associates
Saul Shapiro, Federal Communications Commission

SUNDAY, OCTOBER 1, 1995
10:30am-12:00pm (Continued)

LOCATION: BATTLE CREEK ROOM

SESSION: Regulation, Deregulation and Competition

SESSION CHAIR: Simon Wilkie, California Institute of Technology

PAPERS: **Reducing Telecommunications Regulation Using Competitive Joint Venture**
Dan Alger, Economists Incorporated

Allowing Regulated Firms Into Unregulated Markets: Where Should We Stand Today?
Tim Brennan, University of Maryland, Baltimore County

Competitive Incentives of Vertically Integrated Local Exchange Carriers
Dennis Weisman, Kansas State University
and David Sibley, University of Texas at Austin

DISCUSSANT: Timothy Tardiff, National Economic Research Association

LOCATION: HUNTING CREEK ROOM

SESSION: Social and Cultural Effects of New Media

SESSION CHAIR: David Lytel, Executive Office of the President

PAPERS: **Lessons from Stone Age Telematics**
Thierry Vedel, Centre Nationale de la Recherche Scientifique

Social Consequences of Universal E-mail
Robert Anderson, RAND Corporation

Social Connection in the Information Society
Milda Hedblom, Dain International Services

DISCUSSANT: Tracy Westen, Center for Governmental Studies

SUNDAY, OCTOBER 1, 1995
10:30am-12:00pm (Continued)

LOCATION: THEATRE

SESSION: Strategies for Developing the Telecommunications Sector

SESSION CHAIR: Walter S. Baer, RAND Corporation

PAPERS: Is Competition the Universal Key to Telecoms Development?
Walter S. Baer, RAND Corporation

Technology and Policy Options for Telecommunications Development in Central and Eastern Europe and the Former Soviet Union
Gareth Davies, Coopers and Lybrand

U.S. Provision of Telecommunications Goods and Services to the PRC: Chinese Policies and American Strategies
Marcellus S. Snow, University of Hawaii at Manoa; William Chismar, University of Hawaii at Manoa and Meheroo Jussawalla, East-West Center

DISCUSSANT: Peter Smith, The World Bank

12:00pm-1:45:pm LUNCH

LOCATION: CHESAPEAKE BALLROOM

LUNCH SESSION: The Intent of the Framers: How the Communications Act of 1995 Came To Be

SESSION CHAIR: David Lytel, Executive Office of the President

SPEAKERS: Gregory Simon, Office of the Vice President
Michael Regan, House Commerce Committee

DISCUSSANT: David Lytel, Executive Office of the President

SUNDAY, OCTOBER 1, 1995

SESSIONS:

1:45pm-3:15pm

LOCATION: ST. LEONARD CREEK ROOM

SESSION: **Architecture and Economic Policy: Lessons From the Internet**

SESSION CHAIR: Marjory Blumenthal, National Research Council

PAPERS:

Adding Service Discrimination to the Internet
David D. Clark, Massachusetts Institute of Technology

Pricing in Computer Networks: Reshaping the Research Agenda
Scott Shenker, Xerox PARC; David D. Clark, Massachusetts Institute of Technology; Deborah Estrin, USC, and Shai Herzog, USC

Network Architecture and Content Provision: An Economic Analysis
Jeffrey MacKie-Mason, University of Michigan; Scott Shenker, Xerox PARC; and Hal Varian, University of California at Berkeley

The Political Economy of Congestion Charges and Settlements in Packet Networks
William Lehr, Columbia University and Martin Weiss, University of Pittsburgh

DISCUSSANTS: Craig Partridge, Bolt Beranek and Newman
Padmanabhan Srinagesh, Bell Communications Research

LOCATION: BATTLE CREEK ROOM

SESSION: **Broadband Economics**

SESSION CHAIR: David Waterman, Indiana University

PAPERS: **A Note on the Implementation of Cable TV Rate Caps**
Jith Jayaratne, Federal Reserve Bank of New York

SUNDAY, OCTOBER 1, 1995

1:45pm-3:15pm (Continued)

**Content Hosting in Full Service Broadband
Delivery Infrastructures: Efficiencies,
Architectures, and Policy**

John Yanosy, Southern New England
Telecommunications

Brett Leida and Paul Bosco, Massachusetts
Institute of Technology

**Alternative Routes to Telco Broadband in Local
Markets**

Roger Hough, Communication Sciences Research
Corp.

DISCUSSANT: Robert Pepper, Federal Communications
Commission

LOCATION: HUNTING CREEK ROOM

SESSION: Technology and Privacy Panel

SESSION CHAIR: Molly Macauley, Resources For The Future

PANEL SPEAKERS: Tim Brennan, University of Maryland Graduate
School

Rohan Samarajiva, Ohio State University

Mary Culnan, Georgetown University

Robert Posch, Doubleday Book and Music

Oscar H. Gandy, Jr., University of Pennsylvania

Charles Piller, Macworld Magazine

LOCATION: THEATRE

SESSION: Empirical Studies of Productivity and
Competitiveness in Telecommunications

SESSION CHAIR: Shane Greenstein, University of Illinois

PAPERS: The Welfare Benefits from Digital Infrastructure
Deployment

Shane Greenstein, University of Illinois and Pablo
Spiller, University of California, Berkeley

SUNDAY, OCTOBER 1, 1995
1:45pm-3:15pm (Continued)

**Measuring Competitiveness of Local
Telecommunications Markets**
Glenn Woroch, University of California, Berkeley

**Prices, Productivity and Industry Structure:
Evidence from the Long Distance Industry**
Michael Ward, University of Illinois

DISCUSSANT: Greg Rosston, Federal Communications
Commission

3:15pm-3:30pm **COFFEE BREAK**

SESSION:

3:30pm-5:00pm

LOCATION: **PATUXENT BALLROOM**

PLENARY SESSION: **Strategic Plans of Content Providers**

SESSION CHAIR: Mike Liebhold, Times Mirror

SPEAKERS: Martin Nisenholz and Steve Luciani, New York
Times Electronic Publishing

Milo Medin, @ Home

Steve Hull, National Journal

TOUR BOAT TRIP

5:00pm-6:00pm **1ST TOUR**
(This will be on a first come, first serve basis.
Please meet Dawn Higgins at the Holiday Inn
Boat Dock. If you need directions please feel free
to stop by the TPRC registration desk.)

6:00pm-7:00pm **2ND TOUR**
(This will be on a first come, first serve basis.
Please meet Dawn Higgins at the Holiday Inn
Boat Dock. If you need directions please feel free
to stop by the TPRC registration desk.)

SUNDAY, OCTOBER 1, 1995

6:00pm-7:00pm

**RECEPTION/CASH BAR
LOCATION: TERRACE**

7:00pm-8:30pm

**DINNER
LOCATION: CHESAPEAKE BALLROOM**

MONDAY, OCTOBER 2, 1995

7:30am-8:30am

**BREAKFAST
LOCATION: CHESAPEAKE BALLROOM**

SESSIONS:

8:30am-10:00am

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Spectrum Management and Auction Assessment

SESSION CHAIR:

John Williams, Federal Communications
Commission

PAPERS:

**The PCS Spectrum Auctions: An Early
Assessment**
Peter C. Cramton, University of Maryland

**Assigning Property Rights to Radio Spectrum
Users: Why did the FCC Licenses Auctions Take
67 Years?**

Thomas Hazlett, University of California-Davis

**The Progress and Freedom Foundation's Report
on Eliminating the FCC: The Telecom Revolution,
An American Opportunity**

Peter Pitsch, Pitsch Communications

DISCUSSANT:

Evan Kwerel, Federal Communications
Commission

MONDAY, OCTOBER 2, 1995

8:30am-10:00am (Continued)

LOCATION: HUNTING CREEK ROOM

SESSION: International Summit of Regulators

SESSION CHAIR: Eli Noam, Columbia Institute for Tele-Information

SPEAKERS: Anna Walker, OFTEL

Robert Pepper, Federal Communications Commission

TBA

LOCATION: THEATRE

SESSION: First Amendment Rights of Business and Individuals

SESSION CHAIR: Allen Hammond, New York Law School

PAPERS: Corporate Free Speech Rights and Diversity of Content Control: An Emerging Dilemma
Joseph Foley, The Ohio State University

The First Amendment, Economic Power, and Judicial Review
William Lee, The University of Georgia

The First Amendment and the NII
Fred Cate, Annenberg Washington

DISCUSSANT: Allen Hammond, New York Law School

10:00am-10:30am COFFEE BREAK

MONDAY, OCTOBER 2, 1995

SESSIONS:

10:30am-12:00pm

LOCATION

ST. LEONARD CREEK ROOM

SESSION:

**Regulation of Vertical Relationships In
Telecommunications**

SESSION CHAIR:

Jonathan Levy, Federal Communications
Commission

PAPERS:

**The Effect of "Level Playing Field" Consent
Decrees in Vertical Mergers**
Michael Salinger, Boston University School of
Management

**Cross-Subsidization, Content, and the Pricing of
Access**
Michael Einhorn, US Department of Justice

**A Bargaining Model of Retransmission Consent
and Must-Carry Rules**
Suchan Chae, Rice University

DISCUSSANT:

John Kwoka, George Washington University

LOCATION

BATTLE CREEK ROOM

SESSION:

Intellectual Property in Electronic Publishing

SESSION CHAIR:

Pamela Samuelson, Cornell Law School

PAPERS:

Revising Copyright Law for the Information Age
Jessica Litman, Wayne State University Law
School

**The Economics of Scientific Journals:
Implications for the Information Superhighway**
Roger Noll, Stanford University

**On the Duration of Copyright Protection for
Digital Information**
Yuehong Yuan and Stephen Roehrig, Carnegie-
Mellon University

DISCUSSANTS:

Wendy Gordon, Boston University Law School
Margaret Jane Radin, Stanford School of Law

MONDAY, OCTOBER 2, 1995
10:30am-12:00pm (Continued)

**The Economics of Advanced Services in an Open
Communications Infrastructure: Transaction
Costs, Production Costs, and Network
Externalities**

Joseph Bailey, Lee McKnight and Paul Bosco,
MIT Research Program on Communication
Policy

**The Institutional Governance of Interoperability
in the Computer and Telecommunications
Industries**

Christopher Weare, University of Southern
California

DISCUSSANT: Marvin Sirbu, Carnegie-Mellon University

12:00pm-1:00pm

LUNCH
LOCATION: CHESAPEAKE BALLROOM

ADJOURN

NOTES