TWENTY-FOURTH ANNUAL TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE

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1996 GRADUATE STUDENT RESEARCH AWARD

Initiated in 1988, <u>TPRC Graduate Student Research Awards</u> 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:

Paper Title:

Gregory Crawford, Duke University
The Impact of the 1992 Cable Act on
Consumer Demand and Welfare: A
Discrete-Choice Differentiated Products

Approach

2ND PLACE:

Paper Title:

Susan Dente Ross, University of Florida

Speaking, Rent-Seeking, and the

Importance of Power: Telephone Company

Strategic Use of the First Amendment

3RD PLACE:

Eugenio Miravete, Northwestern

University

Paper Title:

Estimating Demand for Local Telephone Service with Asymmetric Information and

Optional Calling Plans

TWENTY-FOURTH ANNUAL TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE October 5-7, 1996

DETAILED PROGRAM

SATURDAY, OCTOBER 5, 1996

2:00pm-7:00pm REGISTRATION

LOCATION: BACK CREEK

2:15pm-4:00pm Tutorial - Economic FAQs About the Internet

SPEAKER: Hal Varian, Dean, School of Information

Management and Systems, University of

California

4:15pm-6:00pm Tutorial - Telecommunications Act of 1996

SPEAKERS: Kathleen Levitz, Deputy Bureau Chief, Common

Carrier Bureau, Federal Communications

Commission

Richard Metzger, Jr., Deputy Bureau Chief,

Common Carrier Bureau, Federal Communications Commission

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 Waterman, Indiana University, 24th Conference Organizing Committee Chair

OPENING SESSION: Regulating On-Line Content: Mechanisms for

Household and Local Control

SESSION CHAIR: Eli Noam, Columbia Institute for Tele-

Information

SPEAKERS: Paul Resnick, AT&T Labs

Robin Raskin, Editor, Family PC Magazine

Other Speakers, TBA

SUNDAY, OCTOBER 6, 1996

8:00am-5:00pm

REGISTRATION

LOCATION: BACK CREEK

7:30am-8:30am

BREAKFAST

LOCATION: CHESAPEAKE BALLROOM

8:30am-10:00am

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Pricing the Internet

SESSION CHAIRS:

Joseph Bailey and Lee McKnight, Massachusetts

Institute of Technology

PAPERS:

A Dynamic Study of Price and Traffic Behavior in

Interconnected Packet Networks

Martin Weiss, Taieb Znati, Saadulah Tareen, University of Pittsburgh and William Lehr,

Columbia University

Measuring What Internet Users Value: The

INDEX Project

Richard Edell, Harish Chand and Pravin Varaiya, University of California - Berkeley

Pricing for Internet Addresses and Route

Assignments

Yakov Rekhter, Cisco; Paul Resnick and Steve

Bellovin, AT&T Labs

DISCUSSANT:

David Clark, Massachusetts Institute of

Technology

LOCATION:

HUNTING CREEK ROOM

SESSION:

Comparative Studies: Rates and Regulation in

Europe and the USA

SESSION CHAIR:

Jean Paul Simon, France Telecom

PAPERS:

How to Compare Rates. The OECD Perspective

Sam Paltridge, OECD

SUNDAY, OCTOBER 6, 1996 8:30am-10:00 am (Continued)

What Can - and Cannot - be Concluded From the OECD's International Rate Comparisons?

Dale Orr, Economic Analysis Associates

Adapting the European Union Telecommunications Regulatory Framework to the Developing Digital and Integrated Services

Environment

Richard Cawley, European Commission

DISCUSSANT:

Eli Noam, Columbia Institute for Tele-

Information

LOCATION:

THEATRE

SESSION:

Essential Facilities and Vertical Integration in

Telecommunications

SESSION CHAIR:

Tim Brennan, University of Maryland, Baltimore

County

PAPERS:

A Theoretical Analysis of Vertical Reintegration Under the Telecommunications Act of 1996 David Kaserman, T. Randolph Beard and John Mayo, Auburn University

Is Local Exchange Interconnection

Discriminatory?

David Reiffen, Federal Trade Commission; Laurence Schumann, Glassman-Oliver; and Michael Ward, University of Illinois

Opportunism in the Presence of an Essential

Facility

Chris Doyle, London Business School

The Impact of the 1992 Cable Act on Consumer

Demand and Welfare: A Discrete-Choice

Differentiated Products Approach

Prize Winner - Graduate Student Research

Award

Gregory Crawford, Duke University

DISCUSSANT:

John Kwoka, George Washington University

10:00am-10:30am

COFFEE BREAK

SUNDAY, OCTOBER 6, 1996

10:30am-12:00pm

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Cost Structure of the Local Exchange

SESSION CHAIR:

William Sharkey, Federal Communications

Commission

PAPERS:

Feasibility of Using Radio Relay in Low Tier

Wireless Local Loop Systems

Hung-Yao Yeh and Alex Hills, Carnegie Mellon

University

The Effect of Cellular Service on the Cost Structure of a Land-Based Telephone Network David Gabel, Queens College and D. Mark Kennet,

US Bureau of Labor Statistics

The Cost of Basic Network Elements: Theory.

Modeling and Policy Implications

Daniel Kelley, Richard Chandler and Robert

Mercer, Hatfield Associates, Inc.

DISCUSSANT:

Jay Atkinson, Federal Communications

Commission

LOCATION:

HUNTING CREEK ROOM

SESSION:

Universal Service

SESSION CHAIR:

Jorge Schement, Penn State University

PAPERS:

Universal Service: Migration of Metaphors Harmeet Sawhney and Krishna Jayakar,

Indiana University

Universal Service and the Telecommunications Act of 1996: Towards a Third Generation of

Universal Service Policy

Milton Mueller, Rutgers University

Universal Service

Larry Povich, Federal Communications

Commission

Reconsidering Universal Service as a Menu Jorge Reigna Schement and Marlin Blizinski,

Penn State University

SUNDAY, OCTOBER 6, 1996 10:30am-12:00pm (Continued)

LOCATION:

THEATRE

SESSION:

Network Architecture Implications

SESSION CHAIR:

Jeffrey K. MacKie-Mason, University of Michigan

PAPERS:

Combining Sender and Receiver Payment

Schemes on the Internet

David Clark, Massachusetts Institute of

Technology

Economic Implications of Service Integration in

Telecommunications Networks

Qiong Wang, Jon Peha and Marvin Sirbu,

Carnegie Mellon University

Changes in the Household-Level Demand for Postal Delivery Services from 1986 to 1994

Frank Wolak, Stanford University

12:00pm-1:30pm

LUNCH

LOCATION:

CHESAPEAKE BALLROOM

LUNCH SESSION:

Implementation Of The 1996 Telecommunications

Act: A Work In Progress

SESSION CHAIR:

Lisa Rosenblum, Cablevision Systems Corporation

SPEAKERS:

Robert Pepper, Federal Communications

Commission

Cheryl Parrino, National Association of

Regulatory Commissioners

SUNDAY, OCTOBER 6, 1996

SESSIONS:

1:45pm-3:15pm

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Pricing Issues in Interconnected Networks

SESSION CHAIR:

Nicholas Economides, New York University

PAPERS:

Strategic Commitments and the Principle of Reciprocity in Interconnection Pricing Nicholas Economides, Giuseppe Lopomo, and

Nicholas Economides, Giuseppe Lopomo, and Glenn Woroch, Stern School of Business

Call Externalities, Network Externalities and

Network Interconnection

Padmanab Srinagesh and Jiong Gong, Bellcore

Standardization Policy And International Trade

Oz Shy and Neil Gandal, The University of

Michigan and Tel Aviv University

DISCUSSANT:

Tim Brennan, University of Maryland, Baltimore County

LOCATION:

BATTLE CREEK ROOM

SESSION:

Law and Information Policy

SESSION CHAIR:

Jessica Litman, Wayne State University

PAPERS:

A Politics of Intellectual Property James Boyle, American University

Intellectual Value and Intellectual Property
Margaret Chon, Syracuse University College of
Law

Barriers to Entry and Security Concerns of US Internet and non-Internet Users: A National Survey of Issues and Analysis of Policy

Implications

James Katz, Bellcore

DISCUSSANT:

Margaret Jane Radin, Stanford Law School

SUNDAY, OCTOBER 6, 1996 1:45pm-3:15pm (Continued)

LOCATION:

HUNTING CREEK ROOM

SESSION:

Political Economy of Telecommunications Policy

Making

SESSION CHAIR:

Thomas Hazlett, University of California-Davis

and American Enterprise Institute

PAPERS:

Restructuring the Telecommunications Sector in Southeast Asia: Privatization Policies and Pitfalls Heather Hudson, University of San Francisco

Voting on Prices: The Political Economy of

Regulation

Gerald Faulhaber, University of Pennsylvania

Strategic Liberalization: Mapping a Course for Sustainable Telecommunications Infrastructure

Development Brian Regli, HRN

Now Bell Has a Hammer: Telephone Company Use of the First Amendment to Batter Down Entry

Barriers

Prize Winner - Graduate Student Research

Award

Susan Dente Ross, Washington State University

LOCATION:

THEATRE

SESSION:

International Developments in Video Distribution:

Cable Telephony and Set Top Box Standards

SESSION CHAIR:

Jonathan Levy, Federal Communications

Commission

PAPERS:

Cable Telephony as a Business: The UK

Experience

John Cluny, OFTEL

Local Network Competition on Optus Vision's

HFC Network

Ian Martin, BZW Australia

SUNDAY, OCTOBER 6, 1996 1:45pm-3:15pm (Continued)

Standards Issues in Digital Television: The

Common Set Top Box

Martin Cave and Campbell Cowie, Brunell

University

DISCUSSANT:

David Reed, CableLabs

3:15pm-3:30pm

COFFEE BREAK

SESSION:

3:30pm-5:00pm

LOCATION:

PATUXENT BALLROOM

PLENARY SESSION:

Implementation of the 1996 Telecommunications

Act: Ohio Case Study

SESSION CHAIR:

Lynne Butler, Ohio Public Utilities Commission

SPEAKERS:

Neil Cox, Ameritech

Marsha Schermer, Time Warner

Communications

Joseph Farrell, Federal Communications

Commission

IMPORTANT DINNER INFORMATION
PLEASE READ FOLLOWING PAGE

CRAB FEAST

IMPORTANT DINNER INFORMATION

THIS YEAR TPRC WILL BE HAVING THE SUNDAY EVENING DINNER FUNCTION AWAY FROM THE HOLIDAY INN. WE WILL BE TAKING A SHORT BOAT TRIP TO A LOCAL RESTAURANT FOR A CRAB FEAST. IF YOU WOULD RATHER NOT GO TO DINNER BY BOAT, PLEASE SEE DAWN OR LORI, THE CONFERENCE COORDINATORS, FOR DRIVING DIRECTIONS TO THE RESTAURANT.

THE DINNER FUNCTION WILL INCLUDE CRABS WITH FIXINGS, BEER AND ICE TEA. IF YOU WOULD PREFER TO HAVE A DIFFERENT MEAL PLEASE NOTIFY DAWN OR LORI BEFORE 7:00PM ON <u>SATURDAY</u> NIGHT. (THERE ARE OTHER OPTIONS AVAILABLE IN A VERY LIMITED QUANTITY.)

THE FIRST BOAT SHUTTLE WILL LEAVE THE DOCK AT 5:00PM (PLEASE BE ON TIME). IT WILL TAKE UP TO 100 PASSENGERS DIRECTLY TO THE RESTAURANT, AND AFTER DINNER (APPROXIMATELY 6:30) THE BOAT WILL TAKE PASSENGERS ON A SCENIC CRUISE BEFORE RETURNING TO THE HOLIDAY INN.

THE SECOND BOAT SHUTTLE WILL LEAVE THE DOCK AT 5:30PM (PLEASE BE ON TIME) AND WILL TAKE UP TO 100 PASSENGERS ON A (APPROXIMATELY 1 HOUR) SCENIC CRUISE BEFORE DINNER, THESE PASSENGERS WILL THEN BE DROPPED OFF AT THE RESTAURANT. THE BOAT WILL RETURN TO PICK UP THESE PASSENGERS AND RETURN THEM DIRECTLY TO THE HOLIDAY INN AFTER DINNER.

THOSE WISHING TO REMAIN IN THE AREA OF THE RESTAURANT AFTER DINNER ARE WELCOME TO DO SO. THE WALK BACK TO THE HOTEL IS ABOUT 1.5 MILES.

MONDAY, OCTOBER 7, 1996

7:30am-8:30am

BREAKFAST

LOCATION:

CHESAPEAKE BALLROOM

SESSIONS:

8:30am-10:00am

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Spectrum Management

SESSION CHAIR:

Evan Kwerel, Federal Communications

Commission

PAPERS:

Satellite Spectrum Auctions: Regulatory

Feedback in Transnational Markets

George Morgan, Julia Kwok and Pankaj Lal, Virginia Polytechnic Institute and State Univ.

Spectrum Sharing Without Licenses: Advantages

and Pitfalls

Durga Satapathy and Jon Peha, Carnegie Mellon

University

Efficient Relocation of Spectrum Incumbents
Peter Cramton, University of Maryland; Evan

Kwerel and John Williams, Federal

Communications Commission

LOCATION:

HUNTING CREEK ROOM

SESSION:

The Internet: Business and Policy Issues

SESSION CHAIR:

Mark Corbitt, Federal Communications

Commission

PAPERS:

Dialing for Dollars: Will the FCC Regulate

Internet Telephony?

Rob Frieden, Pennsylvania State University

Telecommunications Addressing: The Changing

Technical Requirements and Institutional

Environments

John L. King and Ashley Andeen, University of

California, Irvine

DISCUSSANTS:

Sharon Eisner Gillett, Massachusetts Institute of

Technology

Brian Kahin, Harvard University

MONDAY, OCTOBER 7, 1996 8:30am-10:00am (Continued)

LOCATION:

THEATRE

SESSION:

Speech on Line

SESSION CHAIR:

Wendy J. Gordon, Boston University

PAPERS:

The Great (Fire) Wall of China: Security and Information Policy Issues in the People's Republic

of China

William Yurcik, University of Pittsburgh, Ravi Sandhu, George Mason University and Zixiang

Tan, Syracuse University

A Critical Look at Internet Ratings Systems Jonathan Weinberg, Wayne State University

Bedrooms, Bar Rooms, and Boardrooms in

Cyberspace

L. Jean Camp, Sandia National Labs and Donna

Riley, Carnegie Mellon University

DISCUSSANT:

Judith Harris, Attorney

10:00am-10:30am

COFFEE BREAK

MONDAY, OCTOBER 7, 1996

SESSIONS:

10:30am-12:00pm

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Regulation of Network Interconnection and

Access

SESSION CHAIR:

Gerald Brock, George Washington University

PAPERS:

Telecommunications Pricing for Efficient Local

Competition

John Haring and Jeffrey Rohlfs, Strategic Policy

Research

Regulation: Can't Live With It - Can't Live

Without It

Kenneth Gordon, NERA

Dearie Me: FDC at the FCC

Michael Katz, University of California, Berkeley

Implications of the New Interconnection Rules for

the Telecommunication Industry

Gerald Brock, George Washington University

LOCATION:

HUNTING CREEK ROOM

SESSION:

Policy Barriers to Infrastructure Investment

SESSION CHAIR:

Thomas Aust, Citicorp Securities Inc.

PAPERS:

Investing Under Conditions of Uncertainty

Marjory Blumenthal, National Research Council

State Initiatives to Increase Investment

James Sweetman, Jr., U.S. General Accounting

Office

Canada's New Regulatory Framework: A Formula for Infrastructure Development? Kevin Wilson, Tele-universite, Universite du

Quebec

DISCUSSANT:

Lawrence Darby, Darby Associates

MONDAY, OCTOBER 7, 1996 10:30am-12:00pm (Continued)

LOCATION:

THEATRE

SESSION:

Electronic Commerce

SESSION CHAIR:

Lorrie Faith Cranor, Washington University

PAPERS:

The Social Impact of Electronic Money in Australia: Residential Users' Perspective on

Electronic Commerce

Supriya Singh, Centre for International Research on Communication and Information Technologies

An Axiomatic Approach to Evaluating and Selecting Digital Money Mechanisms Jeff MacKie-Mason and Kimberly White, University of Michigan

Online Services and "Transactional Space":

Conceptualizing the Policy Issues
Peter White, La Trobe University

DISCUSSANT:

Marvin Sirbu, Carnegie Mellon University

12:00pm-1:00pm

LUNCH

LOCATION:

CHESAPEAKE BALLROOM

ADJOURN

NOTES