# TWENTY-SECOND ANNUAL TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE

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#### 1994 TPRC GRADUATE STUDENT RESEARCH AWARD

Initiated in 1988, the <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:

KETA RUIZ, THE WORLD BANK

2ND PLACE:

GREGORY ROSSTON, FEDERAL COMMUNICATIONS

COMMISSION

3RD PLACE:

SHARON EISNER GILLETT, MIT RESEARCH

PROGRAM ON COMMUNICATIONS POLICY

## TWENTY-SECOND ANNUAL TELECOMMUNICATIONS POLICY RESEARCH CONFERENCE October 1-3, 1994

#### **DETAILED PROGRAM**

### SATURDAY, OCTOBER 1, 1994

3:00pm-6:30pm

REGISTRATION

LOCATION: BACK CREEK

3:30pm-5:00pm

Tutorial on New Technologies given by:

Tim Oren

Vice President, New Technologies

Compuserve

LOCATION: DRUM POINT ROOM

5:30pm-6:30pm

RECEPTION/CASH BAR

LOCATION: CONCOURSE

6:30pm-7:30pm

DINNER

LOCATION: PATUXENT BALLROOM

7:30pm-9:00pm

OPENING SESSION

OPENING REMARKS:

Pamela Samuelson

ORGANIZING COMMITTEE CHAIR

OPENING SESSION:

The Research Agenda for the National

Information Infrastructure Initiative

Washington officials involved in the NII will join us to discuss the research needed for successful implementation of the NII.

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:

Spectrum Auction Design

SESSION CHAIR:

Evan Kwerel, Federal Communications

Commission

SPEAKERS:

Paul Milgrom, Stanford University

R. Preston McAfee, The University of Texas at

Austin

John O. Ledyard, California Institute of

Technology

DISCUSSANTS:

Peter Cramton, University of Maryland

Mark Bykowsky, NTIA

LOCATION:

BATTLE CREEK ROOM

SESSION:

The Contributions of the State to the National

Information Infrastructure

SESSION CHAIR:

Eli Noam, Columbia Institute for

Tele-Information

SPEAKERS:

Kenneth Gordon, Massachusetts Department of

Public Utilities

Joe Miller, Idaho Public Utilities Commission

Lisa Rosenblum, New York Public Service

Commission

8:30am-10:00am (Con't)

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

The Effects of Regulation on Innovation

SESSION CHAIR:

John Mayo, The University of Tennessee

PAPERS:

Innovation and Imitation in a Partially-Regulated

Industry

Thomas P. Lyon, Indiana University and Haizhou Huang, Chinese University of Hong

Kong

The Effect of Incentive Regulation on Local Exchange Companies' Deployment of Digital

Infrastructure

Shane Greenstein and Susan McMaster, University of Illinois, Urbana/Champaign and Pablo Spiller, University of California,

Berkeley

Network Effects and Technology Adoption in U.S.

Telecommunications

Sumit K. Majumdar, University of Michigan

and S. Venkataraman, University of

Pennsylvania

DISCUSSANT:

Gerry Faulhaber, University of Pennsylvania

LOCATION:

THEATRE

SESSION:

The Economics of Internet

SESSION CHAIR:

Hal Varian, University of Michigan

PAPERS:

Realizing the Information Future: Technology,

Economics, and the NII

Marjory S. Blumenthal, National Research

Council

Critical Mass and Network Size

Nicholas Economides and Charles Himmelberg

Stern School of Business

The Economics of Internet Interconnection

Agreements

Padmanabhan Srinagesh, Bellcore

DISCUSSANTS:

Jeff MacKie-Mason, University of Michigan

William Lehr, Columbia University

10:00am-10:30am

COFFEE BREAK

### SUNDAY, OCTOBER 2, 1994

SESSIONS:

10:30am-12:00pm

LOCATION:

HUNTING CREEK ROOM

SESSION:

PCS Valuations and Auction Alternatives

SESSION CHAIR:

Terrence McGarty, The Telmarc Group, Inc.

PAPERS:

Wireless Architectural Alternatives: Current Economic Valuations Versus Broadband Options,

The Gilder Conjectures

Terrence McGarty, The Telmarc Group Inc. and

Muriel Medard, MIT

Advanced Wireless Concepts: Technology and

Policy Alternatives

Irvin G. Stiglitz, MIT Lincoln Labs

The 5 C's of Wireless Technology and Policy: A Comparison of CDMA and GSM for Coverage, Capacity, Clarity, Cost and Competitiveness

Jim Madsen, QUALCOMM, Inc.

DISCUSSANTS:

W. Russell Neumann, Tufts University Michael Einhorn, Department of Justice

David Tennenhouse, MIT

10:30am-12:00pm

(Con't)

LOCATION:

BATTLE CREEK ROOM

SESSION:

The Economics of Integrated Broadband Networks

SESSION CHAIR:

David Waterman, Indiana University

PAPERS:

One Line or Two: Economies of Scale and Scope in

Telecommunications

David J. Salant, GTE Laboratories Incorporated

Pricing of Integrated Digital Telephone and Cable

TV Services

Yuehong Yuan and Marvin Sirbu, Carnegie

Mellon University

Telcos, Cable-Operators, Public Authorities and

the Transition to Multimedia in Europe Jean-Pierre Coustel, France Telecom

DISCUSSANT:

Leland Johnson, Consultant, Telecommunications Economics

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

The First Amendment as a Form of Regulation

SESSION CHAIR:

Allen Hammond, New York Law School

PAPERS:

Lost on the Infobahn Without a Map: The Need for a Coherent First Amendment Approach Robert Corn-Revere, Hogan and Hartson

Merging Phone and Cable

C. Edwin Baker, University of Pennsylvania

Game Theory and the First Amendment: Strategic Considerations and Freedom of the

Press

Tim Brennan, University of Maryland, Baltimore

County

DISCUSSANT:

Allen Hammond, New York Law School

10:30am-12:00pm

(Con't)

LOCATION:

THEATRE

SESSION:

Alternative Regulatory Regimes in Theory and

Practice

**SESSION CHAIR:** 

Dennis L. Weisman, Kansas State University

PAPERS:

Does Profit Sharing Regulation Benefit

Consumers?

Simon Wilkie, California Institute of Technology

Periodic Review of Price Cap Plans: Economic

Issues

Timothy Tardiff and William Taylor, National

Economic Research Associates

Dynamic Effects of Price Cap and Rate of Return

**Regulation on Exchange Carrier Incentives** 

Neal Stolleman, Bellcore

DISCUSSANT:

David Sibley, University of Texas

12:00pm-1:30pm

LUNCH

LOCATION: CHESAPEAKE BALLROOM

## SUNDAY, OCTOBER 2, 1994

SESSIONS:

1:30pm-3:00pm

LOCATION:

HUNTING CREEK ROOM

SESSION:

Universal Service

SESSION CHAIR:

Milton Mueller, Rutgers University, SCILS

PAPERS:

Telephone Penetration 1984-1994

Jorge R. Schement, Alex Belinfante and Larry Povich, Federal Communications Commission

Funding the Public Telecommunications

Infrastructure

Bruce Egan, Columbia Institute for

Telecommunications and Steve Wildman,

Northwestern University

Universal Service as an Appropriability Problem

Milton Mueller, Rutgers University

1:30pm-3:00pm (Con't)

Universal Service: Prosaic Motives and Great

Ideals

Harmeet Sawhney, Indiana University

DISCUSSANTS:

Eli Noam, Columbia Institute for

Tele-Information Mark Jamison, Sprint

LOCATION:

BATTLE CREEK ROOM

SESSION:

Electronic Commerce

SESSION CHAIR:

Marvin Sirbu, Carnegie-Mellon University

PAPERS:

Electronic Brokers: Examples and Policy

Implications

Paul Resnick, MIT Center for Coordination and Chris Avery and Richard Zeckhauser, Harvard

Kennedy School of Government

The Effect of Networks on Buyer-Seller

Relationships: Implications for the National

**Information Infrastructure** 

Charles Steinfield, Michigan State University and

Robert Kraut, Carnegie Mellon University

Models and Policies for Electronic Currency L.J. Camp, Marvin Sirbu and J.D. Tygar,

Carnegie Mellon University

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Self v. Government Regulation of Violent Media

Content

SESSION CHAIR:

Dale Kunkel, University of California, Santa

Barbara

PAPERS:

Violence on Television: A British Perspective

Barrie Gunter, University of Sheffield

Media Classification Systems: An International

Assessment

Joel Federman, Mediascope

1:30pm-3:00pm (Con't)

Prospects for Industry Monitoring of Television

Violence in the U.S.

Ed Donnerstein, University of California, Santa

Barbara

DISCUSSANT:

Kristan VanHook, Sub-Committee on

Telecommunications and Finance, U.S. House of

Representatives

LOCATION:

THEATRE

SESSION:

The Effects of Recent Regulatory Changes on the

Cable Television Industry

SESSION CHAIR:

Jerry Duvall, Federal Communications

Commission

PAPERS:

Demand and Revenue Elasticities for Cable

Television Service

David Roddy, Economics and Technology, Inc.

Vertical Integration, Program Access, and the

1992 Cable Television Act

David Waterman, Indiana University and

Andrew Weiss, University of Southern California

Fragmented Duopoly: Evidence on Pricing Behavior in the Cable Television Industry George Ford, Federal Communications

Commission

DISCUSSANT:

Michael Katz, Federal Communications

Commission

3:00pm-3:30pm

COFFEE BREAK

SESSION:

3:30pm-5:00pm

LOCATION:

PATUXENT BALLROOM

PLENARY SESSION:

Forecasting the Future: Different Views

PANELISTS:

Marvin Sirbu, Carnegie-Mellon University

Peter Huber, Manhattan Institute

Robert Hall, Stanford University

### TOUR BOAT TRIP

5:00pm-6:00pm

1ST TOUR

(Please sign up at registration desk, 45 persons

allowed per trip)

6:00pm-7:00pm

2ND TOUR

(Please sign up at registration desk, 45 persons

allowed per trip)

6:00pm-7:00pm

RECEPTION/CASH BAR

7:00pm-8:30pm

DINNER

LOCATION: CHESAPEAKE BALLROOM

## **MONDAY, OCTOBER 3, 1994**

7:30am-8:30am

BREAKFAST

LOCATION: CHESAPEAKE BALLROOM

SESSIONS:

8:30am-10:00am

LOCATION:

HUNTING CREEK ROOM

SESSION:

Interconnection of Telephone Networks

SESSION CHAIR:

Bridger Mitchell, Charles River Associates

PAPERS:

**Historical Perspectives on Interconnection** Between Competing Local Exchange Companies David Gabel, Queens College and David Weiman, Yale University and Institute

Interconnection Agreements and Market Entry in Telecommunications: Lessons from Cross-

Country Comparisons

Bridger Mitchell, Charles River Associates and European-American Center for Policy Analysis:

Werner Neu and Karl-Heinz Neumann,

Wissenschaftliches Institut fuer

Kommunikationsdienste; Ingo Vogelsang, Boston University and European-American Center for

Policy Analysis

Access Pricing Entry and the Baumol-Willig Rule Chris Doyle, University of Cambridge and Mark

Armstrong, University of Southampton

DISCUSSANT:

Eli Noam, Columbia Institute for

Tele-Information

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

The Political Economy of Global Alliances

SESSION CHAIR:

Martin Cave, Brunel University

PAPERS:

The U.S. Stake in Competitive Global

Telecommunications Service: The Economic Case

for Tough Bargaining

John Haring, Jeffrey Rohlfs, Harry Shooshan, III, Strategic Policy Research

The Anatomy and Regulatory Repercussions of

Global Telecommunications Strategies

Johannes Bauer, Michigan State University

#### MONDAY, OCTOBER 3, 1994 8:30am-10:00am (Con't)

Global Telecommunications Services: The Changing Face of the Trans-Atlantic Telephone

Service

Richard Cawley, Directorate General XIII

DISCUSSANT:

Martin Cave

LOCATION:

THEATRE

SESSION:

Competition and Regulation

SESSION CHAIR:

Harold Ware, National Economic Research

Associates, Inc.

PAPERS:

The Political Economy of Entry into Local

**Exchange Markets** 

Yossi Spiegel, Tel Aviv University and Bhaskar

Chakravorti, Bellcore

Local Exchange Competition: Alternative Models

in Maryland

Richard L. Cimerman and Geoffrey J. Waldau,

Maryland Public Service Commission

Pricing Strategies and Regulatory Effects in the U.S. Cellular Telecommunications Duopolies

Keta Ruiz, The World Bank

DISCUSSANTS:

Suchan Chae, Rice University

J. Gregory Sidak, American Enterprise Institute

10:00am-10:30am

COFFEE BREAK

## MONDAY, OCTOBER 3, 1994

SESSIONS:

10:30am-12:00pm

LOCATION:

HUNTING CREEK ROOM

SESSION:

Network Standards Development Organizations

and Intellectual Property Rights

SESSION CHAIR:

Brian Kahin, Harvard University

PAPERS:

Standards Development Strategies Under

Incomplete Information -- Is the Battle of the

Sexes a Revelation Game?

Paul A. David, All Souls College and Hunter K.

Monroe, International Monetary Fund

Alternatives to Financing the Standards

Development Process

Martin Weiss and Michael Spring, University of

Pittsburgh

Telecommunications Standardization and Intellectual Property Rights: A Fundamental

Dilemma?

Mark Shurmer, Brunel University and Gary Lea

University of Reading

DISCUSSANT:

Joseph Farrell, University of California, Berkeley

LOCATION:

BATTLE CREEK ROOM

SESSION:

**Economic Development and Information** 

Structure

SESSION CHAIR:

Dimitri Ypsilanti, OECD

PAPERS:

Economics of Broadband Networks in Japan

Hajime Oniki, Osaka University

Access to Telecommunications in the Developing World: Ten Years After the Maitland Report Heather E. Hudson, University of San Francisco

DISCUSSANT:

Jürgen Müller, DIW

MONDAY, OCTOBER 3, 1994

10:30am-12:00pm (Con't)

LOCATION:

ST. LEONARD CREEK ROOM

SESSION:

Market Structure and Ownership Diversity in the

Mass Media

SESSION CHAIR:

Steve Wildman, Northwestern University

PAPERS:

Vertical Integration Market Foreclosure, and

Efficiency: Some Evidence from the Cable

**Television Industry** 

Tasneem Chipty, Ohio State University

Windowing Video Products Suchan Chae, Rice University

The Prime Time Access Rule and the Market for

**Syndicated Television Programs** 

Karla S. Robinson, Northwestern University

DISCUSSANT:

Mark Fratrick, National Association of

Broadcasters

LOCATION:

THEATRE

SESSION:

Antitrust Economics in Telecommunications

SESSION CHAIR:

Michael Einhorn, U.S. Department of Justice

PAPERS:

Implications of the MFJ for Current Antitrust

Policy

Roger Noll, Stanford University

Antitrust Implications of Unbundling Local

Networks

Robert Harris, David Teece, University of

California, Berkeley and Greg Rosston, Federal

Communications Commission

One-Way Networks, Two-Way Networks,

Compatibility and Antitrust

Nicholas Economides and Lawrence J. White,

New York University

DISCUSSANTS:

J. Gregory Sidak, American Enterprise Institute

John Woodbury, Charles River Associates

12:00pm-1:00pm

LUNCH LOCATION: CHESAPEAKE BALLROOM

ADJOURN

NOTES