The First Three Years
2007-2010

Center for Technology, Innovation and Competition

CTIC

Center for Technology, Innovation and Competition
About CTIC

The University of Pennsylvania Law School’s Center for Technology, Innovation and Competition is dedicated to promoting foundational research that will shape and reshape the way policymakers think about technology-related issues. To do so, CTIC organizes events that explore the full range of scholarly perspectives.

The University of Pennsylvania is uniquely well positioned to support the Center’s mission. The Law School is home to many of the nation’s leading experts on intellectual property, Internet law, and technology policy. In addition, CTIC is able to draw on the expertise of scholars from across the University, including the Wharton School, the Annenberg School for Communication, the Cinema Studies Program, and the School of Engineering and Applied Science. Philadelphia is home to a vibrant high-tech legal community and many of the world’s leading technology companies. CTIC’s proximity to New York and Washington, D.C., allows it to enjoy frequent visits from key industry players and policymakers.

For more information and current events at CTIC, visit our web site at www.law.upenn.edu/academics/institutes/ctic.
Table of Contents

1 A Message from the Directors

3 Year One | 2007-2008
4 The Enduring Lessons of the Breakup of AT&T: A Twenty-Five Year Retrospective
8 Copyright and the Internet: Solutions for a Digital World Symposium
9 2007-2008 Workshop Series

13 Year Two | 2008-2009
14 Foundations of Intellectual Property Reform Conference
16 Trademark Law in a Global Economy Symposium
17 2008-2009 Workshop Series

19 Year Three | 2009-2010
20 Rough Consensus and Running Code: Bringing Engineering Principles into Internet Policy Debates
24 Patent Law, Globalization, and Changing Technology Symposium
25 2009-2010 Workshop Series

27 CTIC Faculty
37 CTIC Research
CTIC Directors (Left to Right):
Shyamkrishna Balganesha, Gideon Parchomovsky, Christopher Yoo, R. Polk Wagner, and David Abrams
Welcome to Penn Law’s Center for Technology, Innovation and Competition. Now entering its fourth year, CTIC’s primary mission is to promote pathbreaking research into emerging issues of technology and innovation policy. Rather than explore issues from a single perspective, CTIC is committed to presenting balanced programs that take seriously the full range of scholarly viewpoints.

The following pages chronicle CTIC’s activities during its first three years. The highlight of each year has been a major scholarly conference exploring such varied themes as the theoretical foundations of intellectual property reform, the integration of engineering principles into the debates over Internet policy, and a twenty-five year retrospective on the lessons from the breakup of AT&T. These conferences brought together some of the world’s most distinguished scholars, jurists, policymakers, and experts to discuss key technology- and innovation-related issues currently confronting policymakers.

CTIC also supports the student-led Penn Intellectual Property Group, an organization that not only enriches the academic life at Penn Law, but also promotes policy debates in major areas of intellectual property. The group’s symposia have brought together scholars, policymakers, and practitioners from across the field to study important issues in copyright, trademark, and patent law, covering everything from industry responses to user-generated content, to the protection of trademarks in the wake of globalization, to international challenges to pharmaceutical patent law.

Each year, CTIC hosts a workshop series that invites faculty from other institutions to present their current work before a group of colleagues in their field. Guest speakers have included distinguished law faculty such as Pamela Samuelson (Berkeley), Arti Rai (Duke), and Ronald Mann (Columbia). The Center has also brought in faculty from other disciplines, including Scott Stern (Kellogg School of Management) and Aaron Kesselheim L’02 (Harvard Medical School).

CTIC also enjoys close ties to other institutions and to other intellectual centers within the University. As a testament to the Center’s interdisciplinary approach, CTIC faculty offer classes and conduct research in conjunction with the Wharton School, the School of Engineering and Applied Science, the Cinema Studies Program, and the Annenberg School for Communication.

Finally, CTIC faculty members have contributed to policymaking, frequently testifying before Congress as experts in their field and serving in policy positions with the government.

Next year is shaping up to be equally exciting. In the fall, CTIC will join Seoul National University’s Center for Law & Public Utilities in co-sponsoring an international conference on “Equal Access Issues in Communications Law.” In the spring, CTIC will host a conference on “Intellectual Property and the Common Law.” This is in addition to our workshop series and other usual activities.

We extend our heartfelt thanks to all of our partners and supporters for bringing their perspectives, experiences, participation, and expertise to all that we do. Through them, CTIC has been able to build a successful foundation to continue serving as a leading academic center in technology and innovation policy.

As we look ahead to the next year’s upcoming events, we invite you to learn more about our Center and to join us in our upcoming events.
2007–2008

The Enduring Lessons of the Breakup of AT&T:
A Twenty-Five Year Retrospective

Copyright and the Internet: Solutions for a Digital World Symposium

2007-2008 Workshop Series
The Enduring Lessons of the Breakup of AT&T: A Twenty-Five Year Retrospective

April 18-19, 2008

CTIC’s inaugural conference used the breakup of AT&T as a lens for reexamining the major themes of telecommunications policy that have emerged over the past quarter century. The conference brought together what one attendee called the most distinguished group of telecommunications scholars ever assembled in one room. Many of the panelists and moderators played key roles in shaping the breakup as members of either the Justice Department staff that litigated the case or the FCC staff charged with implementing the decree and integrating it into the regulatory regime governing telecommunications. The conference was attended by other distinguished scholars, as well as by staff from the FCC and the FTC interested in telecommunications and antitrust policy. This unique combination of subject matter, presentations, and audience made for a very memorable event. Selected papers were published in the December 2008 issue of the Federal Communications Law Journal.
Left to Right:
Joseph Weber, Alfred Kahn, Paul MacAvoy;
Roger Noll

Above:
Judge Richard Posner
The Enduring Lessons of the Breakup of AT&T:  
A Twenty-Five Year Retrospective  
April 18-19, 2008

Welcome  
Christopher S. Yoo  
Professor of Law and Communication,  
University of Pennsylvania  
Ronald J. Daniels  
Provost, University of Pennsylvania  

LOOKING BACK AT DIVESTITURE: WHAT WORKED? WHAT DIDN'T?  

Panelists  
Roger G. Noll  
Morris M. Doyle Centennial Professor in Public Policy Emeritus  
and Professor of Economics Emeritus, Stanford University  
Paul W. MacAvoy  
Williams Brothers Professor Emeritus of Management Studies,  
Yale University  
Alfred E. Kahn  
Robert Julius Thorne Professor of Political Economy Emeritus,  
Cornell University  
Joseph H. Weber  
Former Director of Technical Regulatory Planning, AT&T  

Moderator  
Gerald R. Faulhaber  
Professor Emeritus of Business and Public Policy,  
Wharton School, University of Pennsylvania  

EQUAL ACCESS AS THE NEW REGULATORY PARADIGM:  
THE TRANSITION FROM RATE REGULATION TO ACCESS REGULATION  

Panelists  
Glen O. Robinson  
David and Mary Harrison Distinguished Professor of Law Emeritus,  
University of Virginia  
Tim Wu  
Professor of Law, Columbia University  
Christopher S. Yoo  
Professor of Law and Communication,  
University of Pennsylvania  
Gerald R. Faulhaber  
Professor Emeritus of Business and Public Policy,  
Wharton School, University of Pennsylvania  

Moderator  
Harold Furchtgott-Roth  
President, Furchtgott-Roth Enterprises and former Commissioner,  
Federal Communications Commission  

Keynote Address  
THE DECLINE AND FALL OF AT&T: A PERSONAL RECOLLECTION  

The Honorable Richard A. Posner  
Judge, U.S. Court of Appeals for the Seventh Circuit
STRUCTURAL SEPARATION IN DYNAMIC MARKETS: LESSONS FOR THE INTERNET, LESSONS FOR EUROPE

Panelists
Joseph Farrell
Professor of Economics,
University of California at Berkeley
Eli M. Noam
Professor of Finance and Economics,
Columbia University
Michael H. Riordan
Laurens A. and Arlene Mendelson Professor of Economics,
Columbia University
Michael A. Salinger
Professor and Everett W. Lord Distinguished Faculty Scholar of Business Policy and Law, Boston University

Moderator
Dorothy Attwood
Senior Vice President, AT&T

FROM THE MFJ TO TRINKO: THE ESSENTIAL FACILITIES DOCTRINE AND THE PROPER PROVINCES OF ANTITRUST REGULATION

Panelists
Daniel F. Spulber
Elinor Hobbs Distinguished Professor of International Business,
Kellogg School of Management, Northwestern University
Michael L. Katz
Professor of Management and Harvey Golub Professor in Business Leadership, Leonard N. Stern School of Business, New York University
Timothy J. Brennan
Professor of Public Policy and Economics, University of Maryland, Baltimore County
Howard A. Shelanski
Professor of Law, University of California at Berkeley

Moderator
Michael Altschul
Senior Vice President & General Counsel, CTIA

REGULATION BY CONSENT DECREE: LESSONS FOR MICROSOFT AND BEYOND

Panelists
Richard A. Epstein
James Parker Hall Distinguished Service Professor of Law,
University of Chicago
Daniel L. Rubinfeld
Robert L. Bridges Professor of Law and Economics,
University of California at Berkeley
Philip J. Weiser
Professor of Law and Telecommunications,
University of Colorado
Robert W. Crandall
Senior Fellow, Economic Studies, Brookings Institution

Moderator
Luke M. Froeb
William C. Oehmig Associate Professor in Entrepreneurship and Free Enterprise, Vanderbilt University

THE FUTURE OF INTERCARRIER COMPENSATION

Panelists
Gerald W. Brock
Professor of Telecommunication and of Public Policy and Public Administration,
George Washington University
James B. Speta
Professor of Law, Northwestern University
Simon J. Wilkie
Professor of Law and Economics, University of Southern California
Kevin Werbach
Assistant Professor of Legal Studies and Business Ethics, Wharton School, University of Pennsylvania

Moderator
Jonathan E. Nuechterlein
Partner, WilmerHale

For further information, see http://www.law.upenn.edu/academics/institutes/ctic/conferences/att/index.html.
Copyright and the Internet: Solutions for a Digital World
Penn Intellectual Property Group
March 19, 2008

With support from CTIC, the Penn Intellectual Property Group co-sponsored a one-day symposium exploring the copyright challenges posed by the rise of the Internet. The symposium assembled noted practitioners, professors, policy advocates, and in-house counsel to discuss industry responses to user-generated content; the relationship between copyright and the First Amendment in the effects of filtering, takedown notices, and fair use; and the government’s role in copyright regulation and monitoring intellectual property infringement online.

INDUSTRY RESPONSE TO USER-GENERATED CONTENT: COOPERATION OR LITIGATION?

Panelists

Michael W. Carroll, Professor of Law, Villanova School of Law
Lance Koonce, Partner, Davis Wright Tremaine
Stanley Pierre-Louis, Vice President and Associate General Counsel, IP and Content Protection, Viacom
Kevin Werbach, Assistant Professor of Legal Studies and Business Ethics, Wharton School, University of Pennsylvania

Moderator

Gideon Parchomovsky
Professor of Law, University of Pennsylvania Law School

Featured Presentations

CHALLENGES IN INTERNET VIDEO
Kevin J. Kuzas
Vice President and General Counsel, Comcast Interactive Media

INTERNET METAPHORS AND WHY WE NEED TO LOSE THEM
William F. Patry
Senior Copyright Counsel, Google Inc.

CAN COPYRIGHT AND THE FIRST AMENDMENT BE RECONCILED IN THE INTERNET AGE? FILTERING, TAKEDOWN NOTICES, & THE ROLE OF FAIR USE

Panelists

Kathleen Carignan, Director, Philadelphia Volunteer Lawyers for the Arts
Gregory Marchwinski, CEO, Red Lambda
Jennifer L. Pariser, Executive Vice President, Sony/BMG
David Sohn, Senior Policy Counsel and Director, Project on IP and Technology, Center for Democracy & Technology
Robert R. Terrell L’86, Associate General Counsel, University of Pennsylvania

Moderator

R. Polk Wagner
Professor of Law, University of Pennsylvania Law School

GOVERNMENT INVOLVEMENT IN COPYRIGHT REGULATION: DISCUSSING THE U.S. ROLE IN MONITORING IP INFRINGEMENT ONLINE

Panelists

Sigal P. Mandelker L’00, Deputy Assistant Attorney General, U.S. Department of Justice
David G. Post, Stern Professor of Law, Beasley School of Law, Temple University
Charles J. Sanders, Counsel, Songwriters Guild of America
Sherwin Siy, Staff Attorney and Director, Global Knowledge Initiative, Public Knowledge

Moderator

Christopher S. Yoo
Professor of Law and Communication, University of Pennsylvania
2007-2008 Workshop Series

Mark P. McKenna
St. Louis University School of Law
"Trademark Use and the Problem of Source in Trademark Law"

Matthew L. Spitzer
University of Southern California Gould School of Law
"Interpreting Section 202(h)"

John F. Duffy
George Washington University Law School
"Intellectual Property for Market Experimentation"

Thomas B. Nachbar
University of Virginia School of Law
"The Public Network"

Ronald J. Mann
Columbia Law School
"Just One Click: The Reality of Internet Retail Contracting"

Pamela Samuelson
University of California at Berkeley
"Are Patents on Interfaces Impeding Interoperability?"

Arti K. Rai
Duke Law School
"Pathways Across the Valley of Death: Novel Intellectual Property Strategies for Accelerated Drug Discovery"
2008–2009

Foundations of Intellectual Property Reform Conference

Trademark Law in a Global Economy Symposium

2008-2009 Workshop Series
Foundations of Intellectual Property Reform

January 16-17, 2009
Co-sponsored with the
University of Pennsylvania Law Review

The highlight of the 2008-2009 year was the conference on “Foundations of Intellectual Property Reform,” co-sponsored by the University of Pennsylvania Law Review. The symposium came at a critical time in innovation and technology policy and in academic thought—a time when policymakers were considering major patent and copyright reform proposals and when scholars were gaining a fuller appreciation of the policy implications of such emerging disciplines as positive political theory, new institutional economics, imperfect competition, and social norms. The conference assembled leading academics to explore the insights that these theoretical approaches provide into the best way to foster the innovation and creativity that have become important pillars for our economy and society. All papers were published in the May 2009 issue of the University of Pennsylvania Law Review.
Left to Right:
Mark Lemley, Dan Burk, Scott Kieff,
Polk Wagner, and Lee Petherbridge;
Philip Weiser and Dren Bar-Gill

Above:
Henry Smith
Foundations of Intellectual Property Reform
January 16-17, 2009
Co-sponsored with the
University of Pennsylvania Law Review

Welcome
Michael A. Fitts
Dean and Bernard G. Segal Professor of Law, University of Pennsylvania Law School

Christopher S. Yoo
Professor of Law and Communication, University of Pennsylvania

INTELLECTUAL PROPERTY MEETS ADMINISTRATIVE LAW:
INSTITUTIONAL REFORM AT THE PATENT AND TRADEMARK OFFICE

Ending the Patent Monopoly
Michael B. Abramowicz
Professor of Law, George Washington University Law School
John F. Duffy
Oswald Symister Colclough Research Professor of Law, George Washington University Law School

Interest Groups in Patent and Copyright Law Reform
Clarisa Long
Max Mendel Shaye Professor of Intellectual Property Law, Columbia Law School

The Use and Abuse of IP at the Birth of the Administrative State
Adam Mossoff
Associate Professor of Law, George Mason University School of Law

An Administrative Approach to Patent Reform
Arti K. Rai
Elvin R. Latty Professor of Law, Duke Law School

Commentator
Jonathan S. Masur
Assistant Professor of Law, University of Chicago Law School

ADDRESSING PATENT QUALITY: THE THEORY, PRACTICE,
AND IMPLICATIONS OF THE WAY PATENTS ARE GRANTED

The Perils of Claim Construction
Dan L. Burk
Chancellor’s Professor of Law, University of California, Irvine
Mark A. Lemley
William H. Neukom Professor of Law, Stanford Law School

The Case for Preferring Patent Validity Litigation
Over Second Window Review and Gold Plated Patents
F. Scott Kieff L’94
Professor of Law, Washington University School of Law

Understanding Patent Quality Mechanisms
R. Polk Wagner
Professor of Law, University of Pennsylvania Law School

Commentator
Lee Petherbridge L’02
Associate Professor of Law, Loyola Law School

INTELLECTUAL PROPERTY AND THE NEW INSTITUTIONAL ECONOMICS

Law and the Boundaries of Technology Intensive Firms
Oren Bar-Gill
Professor of Law, New York University School of Law
Gideon Parchomovsky,
Professor of Law, University of Pennsylvania Law School

Is Intellectual Property Trivial?
Jonathan M. Barnett
Associate Professor of Law, University of Southern California Gould School of Law

Indirectness and Institutions in Intellectual Property
Henry E. Smith
Professor of Law, Harvard Law School

Commentator
Philip J. Weiser
Professor of Law and Telecommunications, University of Colorado Law School
RETHINKING THE MONOPOLY MODEL OF INTELLECTUAL PROPERTY

An Empirical Investigation of the Welfare Implications of Patent Protection

David S. Abrams
Assistant Professor of Law, Business, and Public Policy,
University of Pennsylvania Law School

Copyright and Impure Public Goods: A Formal Model

John P. Conley
Professor of Economics, Vanderbilt University
Christopher S. Yoo
Professor of Law and Communication, University of Pennsylvania

Commentator
Joel Waldfogel
Joel S. Ehrenkranz Family Professor of Business and Public Policy,
Wharton School, University of Pennsylvania

INTELLECTUAL PROPERTY AND SOCIAL NORMS

Explaining Copyright Disobedience: Technology, Norms and the Timing of Law Making

Ben Depoorter
Associate Professor of Law, University of Miami School of Law
and Visiting Professor, Boston University Law School

Regulating User-Generated Content with Social Norms

Steven A. Hetcher
Professor of Law, Vanderbilt University Law School

Commentator
Peter Siegelman
Roger Sherman Professor of Law, University of Connecticut School of Law

For further information, see http://www.law.upenn.edu/academics/institutes/ctic/conferences/ipreform.html.
Trademark Law in a Global Economy
Penn Intellectual Property Group
April 1, 2009

This symposium explored issues in trademark law associated with the globalization of businesses and the rise of the Internet. Specific panel topics include trademark use in virtual environments, the increasing importance of the Internet for global intellectual property law, and the trademark protection problems businesses face as they attempt to expand globally.

TRADEMARK USE IN VIRTUAL ENVIRONMENTS

Panelists
Bryce D. Coughlin, Associate, Steptoe & Johnson LLP
Kevin W. Goldstein, Partner, Stradley Ronon Stevens & Young LLP
James Grimmelmman, Associate Professor of Law, New York Law School
Sharon Marsh, Deputy Commissioner for Trademark Examination Policy, U.S. Patent & Trademark Office

Moderator
Christopher S. Yoo
Professor of Law and Communication, University of Pennsylvania

Keynote Address
VIEW FROM THE CORPORATE FRONTLINE: PRACTICAL THOUGHTS ON THE BENEFITS AND PITFALLS FOR BRAND OWNERS IN THE GLOBAL ONLINE WORLD

Bret I. Parker
Vice President, Chief Trademark & Copyright Counsel, and Assistant General Counsel, Wyeth

TRADEMARK PROTECTION IN A GLOBALIZED WORLD

Panelists
Glenn A. Gundersen, Partner, Dechert LLP
Marcia B. Paul, Partner, Davis Wright Tremaine LLP
Jef Pearlman, Equal Justice Works Fellow and Staff Attorney, Public Knowledge
Martin Schwimmer, Partner, Moses & Singer
Peter D. Vogl, Partner, Jones Day

Moderator
The Honorable Kent A. Jordan
Judge, U.S. Court of Appeals for the Third Circuit
2008-09 Workshop Series

Margo A. Bagley
University of Virginia School of Law
Cleansing Patents

C. Scott Hemphill
Columbia Law School
Aggregation, Antitrust, and the Problem of Complex Collusion

Justin Hughes
Benjamin N. Cardozo School of Law, Yeshiva University
Internet Liability in Three Acts

Orin S. Kerr
George Washington University Law School
Applying the Fourth Amendment to Internet Communications: A General View

Ariel Katz
University of Toronto Faculty of Law
The Linguistic and Trust Functions of Trademarks

Paul M. Schwartz
University of California at Berkeley School of Law
Telecommunications Surveillance: Comparative Lessons from Germany and the U.S.
Rough Consensus and Running Code:
Bringing Engineering Principles into Internet Policy Debates

Patent Law, Globalization, and Changing Technology Symposium

2009-2010 Workshop Series
Over the past year, the federal government has launched a comprehensive reevaluation of our nation’s broadband policy. Observers both inside and the outside the government widely acknowledge that the debate has yet to reflect a full appreciation of the engineering principles underlying the Internet and the technological opportunities and challenges posed by its existing architecture. This conference brought members of the engineering community together with policymakers, legal academics, and industry participants in an attempt to provide policymakers with a better understanding of the Internet’s technical aspects and to explore emerging issues of particular importance to current broadband policy. Papers by conference participants are forthcoming in a special symposium issue of the Federal Communications Law Journal.
Left to Right:
Audience attendees; Reception

Above:
W. David Sincoskie, Matt Mathis, Jason Livingood,
Kevin Werbach, and Christopher Yoo
Rough Consensus and Running Code: Bringing Engineering Principles into Internet Policy Debates
May 6-7, 2010

Welcome
Michael A. Fitts
Dean and Bernard G. Segal Professor of Law,
University of Pennsylvania Law School

Christopher S. Yoo
Professor of Law and Communication,
University of Pennsylvania

The Continuing Debate Over Network Management and Quality of Service

Panelists
David D. Clark
Senior Research Scientist, Computer Science and Artificial Intelligence Laboratory, Massachusetts Institute of Technology
Deke Kassabian
Senior Technology Director, Information Systems and Computing, Networking and Telecommunications, University of Pennsylvania
Paul Dauby
Vice President/Chief Operating Officer,
Perry-Spencer Rural Telephone Cooperative, Inc.
Paul E. Misener
Vice President for Global Public Policy, Amazon.com

Moderator
Christopher S. Yoo
Professor of Law, Communication and Computer & Information Science, University of Pennsylvania

Changing Technology and the Limits of the Layered and End-to-End Models

Panelists
Matt Mathis
Former Senior Networking Engineering Specialist,
Pittsburgh Supercomputing Center
Jason Livingood
Executive Director, Internet Systems Engineering,
National Engineering & Technical Operations, Comcast Cable Communications
Kevin Werbach
Assistant Professor of Legal Studies and Business Ethics,
Wharton School, University of Pennsylvania
Christopher S. Yoo
Professor of Law and Communication,
University of Pennsylvania

Moderator
W. David Sincoskie
Professor of Electrical and Computer Engineering and Director of CICS,
University of Delaware

Architecture and Network Security

Panelists
Jonathan M. Smith
Olga and Alberico Pompa Professor of Engineering and Applied Science,
University of Pennsylvania
Edward W. Felten
Professor of Computer Science and Public Affairs, Princeton University
Andrea M. Matwyshyn
Assistant Professor of Legal Studies and Business Ethics, Wharton School,
University of Pennsylvania

Moderator
Matthew Blaze
Associate Professor of Computer and Information Science,
University of Pennsylvania
NEW APPLICATIONS, NEW CHALLENGES

Panelists

Christopher S. Yoo
Professor of Law and Communication, University of Pennsylvania

Paul Mitchell
General Manager, Regulatory and Standards, Microsoft

Joseph B. Weinman
Vice President, Strategy and Business Development, AT&T Business Solutions

Marjory S. Blumenthal
Associate Provost for Academics, Georgetown University, and former Executive Director of the National Academy of Sciences’ Computer Science and Telecommunications Board

Moderator

Saswati Sarkar
Associate Professor of Electrical Engineering, University of Pennsylvania

THE FUTURE IS WIRELESS

Panelists

Dirk Grunwald
Professor of Computer Science, University of Colorado

Charles Jackson
Consultant, and Member of the FCC’s Technological Advisory Committee and U.S. Department of Commerce Spectrum Planning and Policy Advisory Committee

Robert Khedouri L’95
Chief Executive Officer, MusicGremlin, Inc., and Vice President for Services/Strategy & Planning, Mobile Network Operators, SanDisk Corp.

Christian Sandvig
Associate Professor of Communication, University of Illinois at Urbana-Champaign

Moderator

David J. Farber
Distinguished Career Professor of Computer Science and Public Policy, Carnegie Mellon University

For further information, see http://www.law.upenn.edu/academics/institutes/ctic/conferences/internetpolicy.html.
Patent Law, Globalization, and Changing Technology
Penn Intellectual Property Group
March 23, 2010

This symposium focused on new developments in pharmaceutical patent law in response to globalization and emerging biotechnologies. It assembled well-respected scholars and practitioners to discuss these issues from medical ethics, civil rights, economics, and intellectual property law perspectives.

THE PATENTABILITY OF GENES (LEGAL AND ETHICAL IMPLICATIONS)

Panelists
Chris Hansen, Senior National Staff Attorney, ACLU
Jon F. Merz, Associate Professor of Medical Ethics and Associate Chair, Faculty Affairs, Department of Medical Ethics, University of Pennsylvania
Brian A. Cocca, Associate, Stradley Ronon Stevens & Young LLP

Moderator
Eric A. Feldman
Deputy Dean for International Affairs and Professor of Law, University of Pennsylvania Law School

Keynote Address
CHANGING TECHNOLOGY, EXPANSION, AND CONTRACTION OF THE PATENT SYSTEM OVER TIME

Joshua D. Sarnoff
Visiting Professor of Law, DePaul University College of Law and Associate Director of the Glushko-Samuelson Intellectual Property Law Clinic, American University

BILSKI AND CHANGING SUBJECT MATTER STANDARDS

Panelists
John C. Donch, Shareholder, Volpe and Koenig PC
Chad J. Peterman, Partner, Patterson, Belknap, Webb & Tyler LLP
Charles T. Collins-Chase L’08, Associate, Finnegan, Henderson, Farabow, Garrett & Dunner, LLP

Moderator
R. Polk Wagner
Professor of Law, University of Pennsylvania Law School

INTERNATIONAL ISSUES WITH GENERIC DRUGS

Panelists
Gregory N. Mandel, Associate Dean for Research and Professor of Law, Temple University Law School
David S. Abrams, Assistant Professor of Law, Business, and Public Policy, University of Pennsylvania Law School

Moderator
Theodore Ruger
Professor of Law, University of Pennsylvania Law School
2009-2010 Workshop Series

Scott Stern  
Kellogg School of Management, Northwestern University  
*Of Mice and Academics: Examining the Effect of Openness on Innovation*

Joel R. Reidenberg  
Fordham University School of Law  
*Privacy on the Net and the Rule of Law*

Roberta Rosenthal Kwall L’80  
DePaul University College of Law  
*Authenticity of the Chosen: An Exploration of Jewish Law Through Cultural Analysis*

Aaron S. Kesselheim L’02  
Harvard Medical School and Brigham and Women’s Hospital  
*Using Market Exclusivity Incentives to Promote Pharmaceutical Innovation*

Christopher Sprigman  
University of Virginia School of Law  
*Valuing Intellectual Property: An Experiment*
The Center for Technology, Innovation and Competition is privileged to draw on the cross-disciplinary expertise from across the University of Pennsylvania. In addition to the Law School, CTIC brings together faculty from the top-ranked Wharton School, the University’s School of Engineering and Applied Science, the Cinema Studies Program, and the Annenberg School for Communication.
R. Polk Wagner
Professor of Law
Professor Wagner focuses his research and teaching in intellectual property law and policy, with a special interest in patent law. He has written over 20 articles on topics ranging from an empirical analysis of judicial decision-making in patent law to the First Amendment status of software programs. He is the co-author of *Patent Law (Concepts and Insights)* (Foundation 2008) (with Craig Allen Nard). He is a frequent lecturer on intellectual property topics worldwide. Prior to joining the Penn Law faculty in 2000, Wagner served as a clerk to Judge Raymond C. Clevenger III of the U.S. Court of Appeals for the Federal Circuit.

Christopher S. Yoo
Professor of Law, Communication, and Computer & Information Science
Professor Yoo has emerged as one of the nation’s leading authorities on law and technology. His research focuses on how technological developments and economic theories of imperfect competition are transforming the regulation of the Internet and other forms of electronic communications. He has been a leading voice in the “network neutrality” debate that has dominated Internet policy over the past several years. He is also pursuing research on copyright theory as well as the history of presidential power. He is the author of four books, including *Networks in Telecommunications: Economics and Law* (Cambridge 2009) (with Daniel F. Spulber), as well as nearly fifty articles and book chapters. Yoo testifies frequently before Congress, the Federal Communications Commission, and the Federal Trade Commission. Before entering law teaching, Yoo clerked for Justice Anthony M. Kennedy of the Supreme Court of the United States and Judge A. Raymond Randolph L’69 of the U.S. Court of Appeals for the D.C. Circuit.

David S. Abrams
Assistant Professor of Law, Business, and Public Policy
Professor Abrams is an empirical economist whose work brings modern econometric techniques to bear on a variety of topics in law and economics. His recent research has included investigations into incentives for innovation, attorney performance, the deterrent effect of incarceration, and the impact of race in criminal sentencing. Additionally, he has begun a series of projects that make use of the unique experimental environment of virtual worlds to answer an array of economic and legal questions. Abrams joined Penn Law from the University of Chicago Law School, where he was an Olin Fellow and received the 2007 Coase Prize for the outstanding paper in law and economics.

Shyamkrishna Balganesha
Assistant Professor of Law
Professor Balganesha’s scholarship focuses on understanding how intellectual property and innovation policy can benefit from the use of ideas, concepts, and structures from different areas of the common law. His most recent work analyzes how the common law idea of “foreseeability” might be employed to shape the scope of copyright law and the benefits of understanding copyright as a conditional common law entitlement rather than as a property right.

Gideon Parchomovsky
Professor of Law
Professor Parchomovsky specializes in intellectual property law, property law, and cyberlaw. He has already made significant contributions to the field through his wide-ranging scholarship, having written numerous articles for major law reviews on property and liability rules, insider trading, trademarks, domain names, and patents. Most recently, he has been advocating the need for a comprehensive property theory and the need to introduce a value-oriented theory. Parchomovsky has received the A. Leo Levin Award presented to the best teacher of a first-year course.
Anita L. Allen
Deputy Dean for Academic Affairs, Henry R. Silverman
Professor of Law, and Professor of Philosophy
Professor Allen is an expert on privacy law, bioethics, and
contemporary values and is recognized for her scholarship
about legal philosophy, women’s rights, and race relations.
Her books include Unpopular Privacy (forthcoming Oxford
2010); Privacy Law and Society (Thomson/West 2007);
The New Ethics: A Guided Tour of the 21st Century Moral
Landscape (Miramax/Hyperion 2004); Why Privacy Isn’t
Everything: Feminist Reflections on Personal Accountability
(Rowman and Littlefield 2003); and Uneasy Access: Privacy
for Women in a Free Society (Rowman and Littlefield 1988).
She co-edited (with Milton Regan) Debating Democracy’s
and blogs and has frequently appeared on nationally
broadcast television and radio programs.

C. Edwin Baker
Nicholas F. Gallicchio Professor of Law and Communication
Professor Baker was considered one of the country’s
foremost authorities on the First Amendment and on mass
media policy. Most recently, he focused his work on the
economics of the news business, political philosophy, and
jurisprudential questions concerning the egalitarian and
libertarian bases of constitutional theory. His work was
read and respected by policy makers and students in the
United States and internationally. His first book, Human
Liberty and Freedom of Speech (Oxford 1989), defends
interpreting First Amendment freedom of speech as
concerned primarily with individual freedom and autonomy
rather than the more traditional understanding of it being
about a marketplace of ideas. Advertising and a Democratic
Press (Princeton 1994) became a leading critique of the
impact of advertising on media’s non-advertising content
and Media, Markets, and Democracy (Cambridge 2002)
explains why the free market predictably fails to provide
the media that consumers want or citizens need. His most
recent book, Media Concentration and Democracy: Why
Ownership Matters (Cambridge 2007), evaluates economic
and democratic reason to oppose media concentration.
Professor Baker joined Penn Law in 1981 and focused his
teaching on constitutional law, mass media law, the First
Amendment, and jurisprudence. Since 2007, he held a joint
appointment in the Annenberg School for Communication at
Penn. During his career he served as a staff attorney for
the American Civil Liberties Union and he held teaching
positions at several universities prior to joining Penn Law.
CTIC joins the Penn Law and larger academic community
in mourning his recent passing.

Cary Coglianese
Edward B. Shils Professor of Law; Professor of Political
Science; and Director, Penn Program on Regulation
Professor Coglianese specializes in the study of regulation
and regulatory processes, with a particular emphasis on the
empirical evaluation of alternative regulatory strategies and
the role of conflict and cooperation in business-government
relations. His recent books include Import Safety: Regulatory
Governance in the Global Economy (University of Pennsylvania
2009); Regulation and Regulatory Processes (Ashgate 2007); and
Leveraging the Private Sector: Management-Based
Strategies for Improving Environmental Performance
(Resources for the Future 2006). He has also recently written
on climate change policy, public participation and transparency
in federal rulemaking, and voluntary environmental programs.
Coglianese was a founding editor of the peer-reviewed
dournal Regulation & Governance, and he currently serves
on the board of the American Bar Association’s Section on
Administrative Law and Regulatory Practice.
Seth Kreimer  
Kenneth W. Gemmill Professor of Law  

Professor Kreimer’s first article, *Allocational Sanctions: The Problem of Negative Rights in a Positive State*, set the terms for a generation of discussion of unconstitutional government manipulation of public benefits. His subsequent work has shaped analysis of governmental control of private information, abortion regulation, assisted suicide, and gay marriage. He has explored the implications of DNA testing in criminal justice, free speech on the Internet, and the dangers of abuse in the “war on terror.” Kreimer has represented plaintiffs in a wide array of litigation. He served as co-counsel in *Ferguson v. City of Charleston* (U.S. Supreme Court 2001), establishing the right of obstetrical patients to refuse non-consensual drug testing; *In Re R.B.F.* (Pa. Supreme Court 2002), securing the right of gay and lesbian parents to establish families by second parent adoption; *Nixon v. Commonwealth of Pennsylvania* (Pa. Supreme Court 2003), successfully challenging the constitutionality of lifetime disqualification of sex-offenders from employment; and *Buck v. Stankovic* (M.D. Pa. 2007), enjoining denial of a marriage license to a citizen who wished to marry an undocumented non-citizen. Prior to joining the Penn Law faculty, Kreimer clerked for Judge Arlin M. Adams L’47 of the U.S. Court of Appeals for the Third Circuit.

Matthew Blaze  
Associate Professor of Computer and Information Science  

Professor Blaze focuses his research on the architecture and design of secure systems based on cryptographic techniques, analysis of secure systems against practical attack models, and finding new cryptographic primitives and techniques. He is especially interested in the use of encryption to protect insecure systems such as the Internet. He was a designer of swIPe, a predecessor of the now standard IPSEC protocol for protecting Internet traffic. Another project, CFS, investigated and demonstrated the feasibility of including encryption as a file system service. Recently, he has applied cryptologic techniques to other areas, including the analysis of physical security systems. This work yielded a powerful and practical attack against virtually all commonly used master-keyed mechanical locks.

Peter Decherney  
Associate Professor of Cinema Studies, English Department  

Professor Decherney’s research and teaching focus on the history of media regulation and on Internet policy, specifically the interaction between Hollywood and Washington. He is the author of *Hollywood and the Culture Elite: How the Movies Became American* (Columbia 2005) and many articles on the Hollywood film industry, the history of media regulation, and fair use and academia, among other topics. In 2006, along with two colleagues, he successfully petitioned for an exemption to the Digital Millennium Copyright Act for media professors using clips for teaching. In addition to Penn, Decherney has taught at Yale University, King’s College (London), and Tsinghua University (Beijing). He is currently completing a new book on the history and future of Hollywood and copyright law.
Gerald R. Faulhaber
Professor Emeritus of Business and Public Policy, Wharton School
Professor Faulhaber served as Chief Economist at the Federal Communications Commission from July 1, 2000 to June 30, 2001, where he worked on many telecommunications and Internet issues, including the AOL-Time Warner merger. His current research focuses on public policy and broadband infrastructure and the political economy of regulation. He has published widely in professional journals and is the author of several books, including European Economic Integration: Technological Perspectives (Springer 1991) and Telecommunications in Turmoil: Technology and Public Policy (Harper 1988). He has served on numerous scholarly boards and review committees and was Vice-President of the Board of Directors of the Telecommunications Policy Research Conference in Washington, D.C. He was an Associate Editor of the Journal of Industrial Economics and serves on the Board of Editors of Information Economics and Policy. Prior to his academic career, Faulhaber was Director of Strategic Planning and Financial Management at AT&T, after holding the position of Head, Economics Research at Bell Laboratories.

Michael Kearns
Professor of Computer and Information Science and Professor of Operations and Information Management and Statistics, Wharton School
Since 2002, Professor Kearns has been on the faculty of the Computer and Information Science Department at the University of Pennsylvania, where he holds the National Center Chair in Resource Management and Technology. He holds secondary appointments in the Statistics and Operations and Information Management (OPIM) departments of the Wharton School. Kearns was the co-director of Penn’s interdisciplinary Institute for Research in Cognitive Science until July 2006. He has worked closely with a quantitative trading group at SAC Capital in New York City, has been actively involved in the startup Hunch, and has served as an advisor to the companies Yodle, kaChing and Invite Media. He is a member of the Advanced Technology Advisory Council of PJM Interconnection. Professor Kearns is also the Founding Faculty Director of the new Singh Program in Market and Social Systems Engineering, which will begin admitting students in fall 2011.

Andrea M. Matwyshyn
Assistant Professor of Legal Studies and Business Ethics, Wharton School
Professor Matwyshyn joined the Wharton School in 2007. Her research and consulting focus on U.S. and international issues of information policy, corporate best practices, data privacy, technology regulation, and information security strategy. She has been a co-recipient of the Microsoft Trustworthy Computing Curriculum Grant and a Fulbright Foundation Advisory Board Member.
**Monroe E. Price**

Director of the Center for Global Communication Studies, Annenberg School for Communication

As Director of the Center for Global Communication Studies, Professor Price works with a wide transnational network of regulators, scholars, and practitioners in Europe, Africa, Latin America and Asia as well as in the United States. He founded the Programme in Comparative Media Law and Policy at Oxford University and chairs the Center for Media and Communications Studies at Central European University. Price has served on the President’s Task Force on Telecommunications Policy and the Sloan Commission on Cable Communications (both in the 1970s) and on the Carter-Sagalaev Commission on Radio and Television Policy (in the 1990s). He was a long-time member of the International Broadcasting Institute (now the International Communications Institute) and is active in the International Association of Mass Communications Research as well as the International Communications Association. His recent books include *Media and Sovereignty: The Global Information Revolution and Its Challenge to State Power* (MIT 2002) and *Owning the Olympics: Narratives of the New China* (University of Michigan 2008) (co-edited with Daniel Dayan).

---

**Katja Seim**

Assistant Professor of Business and Public Policy, Wharton School

Professor Seim specializes in applied microeconomics and industrial organization. Her research focuses on firms’ product introduction and entry decisions. She has examined firms’ decisions to introduce and place a new product relative to their competition and the effect of entry among wireless service providers on pricing strategies in the industry. She has taught courses in regulatory policy and managerial economics. Her recent publications have studied product provision under state-run monopolies and the effect of bid preferences on auction outcome. Seim was a Fletcher Jones Faculty Scholar in 2005.

---

**Jonathan M. Smith**

Olga and Alberico Pompa Professor of Engineering and Applied Science

Professor Smith’s research interests are in computer networking and computer security. He is developing network architectures for new services and applications, such as the Terabit Edge Research Activity (TERA), which is focused on the coupling between parallel processing and parallelism in transmission systems, and implications for host software and network control. He has recently worked on Zodiac, an intrinsically assurable mobile ad-hoc network, where many challenges ensue as router and host become indistinguishable, and is investigating Dynamic Trust Management (DTM), which is focused on “situation-aware” authorizations for privileged actions, such as emergency situations. From 2004 to 2006, Professor Smith served as a Program Manager for the Defense Advanced Research Projects Agency (DARPA), for which he was awarded the OSD Medal for Exceptional Public Service in August 2006.
Joseph Turow
Robert Lewis Shayon Professor of Communication, Annenberg School for Communication

A 2005 *New York Times* magazine article called Professor Turow “probably the reigning academic expert on media fragmentation.” He has authored eight books, edited five, and written more than 100 articles on mass media industries. Turow’s continuing national surveys of the American public on issues relating to marketing, new media, and society have received a great deal of attention in both the popular press and the research community. The recipient of a number of conference paper and book awards, Turow has lectured widely and been invited to give the Pockrass Distinguished Lecture at Penn State University and to be a Chancellor’s Distinguished Lecturer at Louisiana State University. Turow currently serves on the editorial boards of the *Journal of Broadcasting and Electronic Media*, *Poetics*, and *New Media & Society*. He also serves on the advisory board of Consumer Reports WebWatch, a project of Consumers Union funded by the Pew Trusts and the Knight Foundation. Professor Turow recently received the National Communication Association’s Distinguished Scholar Award and was named a Fellow of the International Communication Association.

Joel Waldfogel
Joel S. Ehrenkranz Family Professor of Business and Public Policy, Wharton School

Professor Waldfogel’s research focuses on industrial organization, law and economics, public economics, and economics of media industries. His current projects include the distributional effects in product markets, local media markets, intellectual property piracy, and information intermediaries and competition in online markets. His most recent books include *Scroogenomics* (Princeton 2009) and *The Tyranny of the Market* (Harvard 2007). In addition to his service as Chairperson of the Business and Public Policy Department at Wharton, Waldfogel has served as a consultant to the FCC Media Ownership Working Group and was the John M. Olin Faculty Fellow at Yale Law School in 2004. He has lectured widely and is the recipient of multiple academic distinctions and awards, including the *Journal of Urban Economics*’ Highly Cited Author Award (2004-2008), Best Article of the Year Prize from the *Journal of Industrial Economics*, and the Marc and Sheri Rapaport Undergraduate Core Teaching Award at the Wharton School. During the summer of 2010, Professor Waldfogel left Penn to join the Carlson School of Management of the University of Minnesota as the Frederick R. Kappel Chair in Applied Economics.
Kevin Werbach
Associate Professor of Legal Studies and Business Ethics, Wharton School
Professor Werbach is a leading expert on the business, policy, and social implications of emerging Internet and communications technologies. While serving as Counsel for New Technology Policy at the FCC during the Clinton Administration, Werbach was named by Wired magazine as “one of the few policy wonks who really got it.” He is the founder of the Supernova Group, a technology analysis and consulting firm. He advises companies, writes about emerging trends in communications and information technology and organizes Supernova, a major executive technology conference. He co-led the review of the Federal Communications Commission for the Obama-Biden Transition Project and currently serves as an advisor to the National Telecommunications and Information Administration for the broadband stimulus grant program. A sought-after speaker and commentator, Werbach appears frequently in print and broadcast media.

Thomas Fetzer
Adjunct Professor of Law
Thomas Fetzer is Professor of Law at the Dresden University of Technology. He has been a guest lecturer at Vanderbilt, the University of Manheim, the University of Freiburg, and the University of Jena. His fields of expertise include telecommunications law, media law, and privacy/data protection law. He has also published several articles on tax law and European community law and co-authored books on Internet law, telecommunications law, and public economics law.

Osagie Imasogie L’85
I Grant Irey Adjunct Professor of Law
Osagie Imasogie has over twenty-five years of experience in the fields of law, finance and business management, healthcare and the pharmaceutical industry. Prior to co-founding Phoenix IP Ventures, an IP-based Merchant Bank, Imasogie conceptualized and established GlaxoSmithKline Ventures and was its founding Vice President. Imasogie led GSK Ventures in concluding thirty worldwide transactions within a three-year period. He currently serves on the Board of Directors of Genaera Corporation, a publicly traded biopharmaceutical company, and is Chairman of the Board of Directors of iCeutica Pharmaceuticals, Inc., and the former Chairman of Ception Therapeutics, Inc., a biopharmaceutical company that he also co-founded. He is a member of the Board of Overseers of the University of Pennsylvania Law School and a member of the Wilson Council of the Woodrow Wilson International Center for Scholars, in addition to a number of other non-for-profit companies and institutions. Osagie also served as a Senior Consultant to the President’s Emergency Plan For Aids Relief (PEPFAR), a unique initiative by the United States Government to fight the global AIDS epidemic.
The Honorable Kent A. Jordan
Judge, U.S. Court of Appeals for the Third Circuit
Judge Jordan was appointed in 2006 to serve as a Judge on the United States Court of Appeals for the Third Circuit. Prior to that appointment, Judge Jordan served as a United States District Judge for the District of Delaware from 2002 to 2006. Before taking the bench, Judge Jordan served as an Assistant United States Attorney for the District of Delaware, having served as Civil Chief in that office in 1991 and 1992. He has also been an officer and member of the boards of directors of privately held businesses and was a partner in a Wilmington, Delaware, law firm, where his practice focused on intellectual property, corporate, and commercial litigation.

Michael Levy L’69
Adjunct Professor of Law
Michael Levy recently served as the interim United States Attorney for the Eastern District of Pennsylvania. He has been the Chief of Computer Crimes at the United States Attorney’s Office for the Eastern District of Pennsylvania and has served in the U.S. Department of Justice since 1980, with two one-year excursions into private practice. He prosecuted fraud, drug, tax and organized crime cases, as well as handling civil and criminal forfeiture actions. He has been Deputy Chief of the Criminal Division, the First Assistant United States Attorney, and was appointed by Attorney General John Ashcroft to serve as interim United States Attorney until the confirmation of a presidentially appointed U.S. Attorney. As Chief of

Herbert F. Schwartz L’64
Adjunct Professor of Law
Herbert Schwartz was a partner of Ropes & Gray until his retirement in 2007, having previously been a partner with Fish & Neave, where he served as the firm’s managing partner between 1985 and 1991. Schwartz is a Fellow of the American College of Trial Lawyers and the American Bar Foundation and a member of the American Law Institute. He is the author of *Patent Law and Practice* and is co-author of *Principles of Patent Law* (with Donald S. Chisum, Craig Allen Nard, Pauline Newman, and F. Scott Kieff). He spent his career litigating intellectual property cases, has testified at different times before Congress at its invitation on issues relating to innovation and patent law reform, has served as a special master in patent litigation, and has written and spoken widely on intellectual property issues.
CTIC Research

Research output is a core function of the Center for Technology, Innovation and Competition. By providing a forum where faculty can engage with one another across multiple disciplines, the Center seeks to encourage informed, high-quality research that will advance the understanding of technology and innovation policy.

Listed in the next several pages is a sampling of recently published papers related to technology, innovation, and competition by CTIC faculty members. All primary and secondary faculty appointments are in the University of Pennsylvania Law School unless otherwise noted. All affiliated and adjunct faculty appointments are in the University of Pennsylvania.
Primary Faculty

David S. Abrams
Assistant Professor of Law, Business, and Public Policy

Shyamkrishna Balganesh
Assistant Professor of Law
Debunking Blackstonian Copyright, 118 Yale L.J. 1126 (2009).
Tiered Originality and the Dualism of Copyright Incentives, 95 Va. L. Rev. in Brief 67 (2009).

Gideon Parchomovsky
Professor of Law

Christopher S. Yoo
Professor of Law, Communication, and Computer & Information Science
The Distortionary Effect of Evidence on Primary Behavior, 124 Harv. L. Rev. (forthcoming 2011) (with Alex Stein).

R. Polk Wagner
Professor of Law

R. Polk Wagner
Professor of Law

Network Neutrality or Internet Innovation?, Regulation, Spring 2010, at 22.
The Transformation of the Internet (AEI forthcoming 2010).
Reregulation and the Clash Between Competing Visions of Telecommunications and Internet Policy, 36 J. Corp. Law (forthcoming 2011).
Secondary Faculty

Anita L. Allen  
Deputy Dean for Academic Affairs, Henry R. Silverman Professor of Law, and Professor of Philosophy  
Face to Face With “It”: And Other Neglected Contexts of Health Privacy, 151 PROC. AM. PHIL. SOC’y 300 (2007).  
Privacy and Medicine, in STANFORD ENCYCLOPEDIA OF PHILOSOPHY (Edward N. Zalta ed., 2009).  
Atmospherics: A Llewellyn-esque Comment on Abortion Law, in ON PHILOSOPHY IN AMERICAN LAW 184 (Francis J. Mootz III ed., Cambridge 2009).  
Constitutional Privacy, in A COMPANION TO PHILOSOPHY OF LAW AND LEGAL THEORY 139 (Dennis Patterson ed., Blackwell 2010).  

C. Edwin Baker  
Nicholas F. Gallicchio Professor of Law and Communication  
Hate Speech, in EXTREME SPEECH AND DEMOCRACY (Ian Hare & James Weinstein eds., Oxford 2009).  

Cary Coglianese  
Edward B. Shils Professor of Law and Professor of Political Science; Director, Penn Program on Regulation  
Business Interests and Information in Environmental Rulemaking, in BUSINESS AND ENVIRONMENTAL POLICY 185 (Michael Kraft & Sheldon Kamieniicki eds., MIT 2007).  
Legitimacy and Corporate Governance, 32 DEL. COMP. L. 159 (2007).  

Seth Kreimer  
Kenneth W. Gemmill Professor of Law  

Meta-Regulation and Self-Regulation, in OXFORD HANDBOOK OF REGULATION (Martin Cave et al. eds., Oxford forthcoming 2011).  

2007—2010 Center for Technology, Innovation and Competition
Matthew Blaze
Associate Professor of Computer and Information Science, School of Engineering and Applied Science

Peter Decherney
Associate Professor of Cinema Studies, English Department
Hollywood’s Copyright Wars, FROM EDISON TO THE INTERNET (forthcoming) (tentative title).

Gerald R. Faulhaber
Professor Emeritus of Business and Public Policy, Wharton School
Transparency and Broadband Internet Service Providers, 4 INT’L J. COMM. 738 (2010).

Michael Kearns
Professor of Computer and Information Science with Secondary Appointment in the Wharton School in Operations and Information Management and Statistics
Graphical Games, in ALGORITHMIC GAME THEORY 159 (Noam Nisan et al. eds., Cambridge 2007).


Andrea M. Matwyshyn
Assistant Professor of Legal Studies and Business Ethics, Wharton School
Imagining the Intangible, 34 DEL. J. CORP. L. 965 (2009).

Monroe E. Price
Comparative Analysis of International Co- and Self-Regulation in Communications Markets, a report for O’Com by the Institute of Technology Assessment at the Austrian Academy of Sciences (2007) (with Florian Sauvewen & Stefan G. Verhulst).
Owning the Olympics: Narratives of the New China (University of Michigan 2008) (with Daniel Dayan).

Katja Seim
Assistant Professor of Business and Public Policy, Wharton School


Public Monopoly and Economic Efficiency:


Jonathan M. Smith
Olga and AlbericoPompa Professor of Computer and Information Science, School of Engineering and Applied Science


How Different are Young Adults from Older Adults When it Comes to Information Privacy Attitudes and Policies? (2010) (with Chris JayHoofnagle, JenniferKing, & Su Li).

Joel Waldfogel
Joel S. Ehrenkranz Family Professor of Business and Public Policy, Wharton School

The Tyranny of the Market (Harvard 2007).

Kevin Werbach
Associate Professor of Legal Studies and Business Ethics, Wharton School

The Implications of Video P2P on Network Usage, in PEER TO PEER VIDEO: THE ECONOMICS, POLICY, AND CULTURE OF TODAY’S NEW MASSES (El M. Noam & Lorenzo MariaPupillo eds., Springer 2008).

